

|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|---------------------------------------------------------|-----------|-----------|-----------|--------------------------------|-----------|---------------------------------|-----------|---------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|-----------------------------------|-----------|-----------------------------------|----------|---|--|----------|--|--|
|                                                         |           | 13        |           | 12                             |           | 11                              |           | 10                              |           | 9                                |           | 8                                |           | 7                                |           | 6                                |           | 5                                |           | 4                                |           | 3                                 |           | 2                                 |          | 1 |  |          |  |  |
| 1.00MM CENTER FFC JUMPER CABLE (HIGH TEMPERATURE) CHART |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
| J                                                       |           | "A" DIM.  |           | 1.18 ± .079 INCHES<br>30 ±2.00 |           | 2 ± .079 INCHES<br>51 ± 2.00 MM |           | 3 ± .118 INCHES<br>76 ± 3.00 MM |           | 4 ± .118 INCHES<br>102 ± 3.00 MM |           | 5 ± .157 INCHES<br>127 ± 4.00 MM |           | 6 ± .157 INCHES<br>152 ± 4.00 MM |           | 7 ± .157 INCHES<br>178 ± 4.00 MM |           | 8 ± .157 INCHES<br>203 ± 4.00 MM |           | 9 ± .197 INCHES<br>229 ± 5.00 MM |           | 10 ± .197 INCHES<br>254 ± 5.00 MM |           | 12 ± .197 INCHES<br>305 ± 5.00 MM |          | J |  |          |  |  |
|                                                         |           | STIFFENER | TYPE "A"  | TYPE "D"                       | TYPE "A"  | TYPE "D"                        | TYPE "A"  | TYPE "D"                        | TYPE "A"  | TYPE "D"                         | TYPE "A"  | TYPE "D"                         | TYPE "A"  | TYPE "D"                         | TYPE "A"  | TYPE "D"                         | TYPE "A"  | TYPE "D"                         | TYPE "A"  | TYPE "D"                         | TYPE "A"  | TYPE "D"                          | TYPE "A"  | TYPE "D"                          | TYPE "A" |   |  | TYPE "D" |  |  |
| I                                                       |           | CKTS: 4   | 152670701 | 152670700                      | 152670703 | 152670702                       | 152670705 | 152670704                       | 152670707 | 152670706                        | 152670709 | 152670708                        | 152670711 | 152670710                        | 152670713 | 152670712                        | 152670715 | 152670714                        | 152670717 | 152670716                        | 152670719 | 152670718                         | 152670721 | 152670720                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 6   | 152670201 | 152670202                      | 152670203 | 152670204                       | 152670205 | 152670206                       | 152670207 | 152670208                        | 152670209 | 152670210                        | 152670211 | 152670212                        | 152670213 | 152670214                        | 152670215 | 152670216                        | 152670217 | 152670218                        | 152670219 | 152670220                         | 152670221 | 152670222                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 8   | 152670223 | 152670224                      | 152670225 | 152670226                       | 152670227 | 152670228                       | 152670229 | 152670230                        | 152670231 | 152670232                        | 152670233 | 152670234                        | 152670235 | 152670236                        | 152670237 | 152670238                        | 152670239 | 152670240                        | 152670241 | 152670242                         | 152670243 | 152670244                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 10  | 152670245 | 152670246                      | 152670247 | 152670248                       | 152670249 | 152670250                       | 152670251 | 152670252                        | 152670253 | 152670254                        | 152670255 | 152670256                        | 152670257 | 152670258                        | 152670259 | 152670260                        | 152670261 | 152670262                        | 152670263 | 152670264                         | 152670265 | 152670266                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 12  | 152670267 | 152670268                      | 152670269 | 152670270                       | 152670271 | 152670272                       | 152670273 | 152670274                        | 152670275 | 152670276                        | 152670277 | 152670278                        | 152670279 | 152670280                        | 152670281 | 152670282                        | 152670283 | 152670284                        | 152670285 | 152670286                         | 152670287 | 152670288                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 14  | 152670289 | 152670290                      | 152670291 | 152670292                       | 152670293 | 152670294                       | 152670295 | 152670296                        | 152670297 | 928670298                        | 152670299 | 152670300                        | 152670301 | 152670302                        | 152670303 | 152670304                        | 152670305 | 152670306                        | 152670307 | 152670308                         | 152670309 | 152670310                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 16  | 152670311 | 152670312                      | 152670313 | 152670314                       | 152670315 | 152670316                       | 152670317 | 152670318                        | 152670319 | 152670320                        | 152670321 | 152670322                        | 152670323 | 152670324                        | 152670325 | 152670326                        | 152670327 | 152670328                        | 152670329 | 152670330                         | 152670331 | 152670332                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 18  | 152670333 | 152670334                      | 152670335 | 152670336                       | 152670337 | 152670338                       | 152670339 | 152670340                        | 152670341 | 152670342                        | 152670343 | 152670344                        | 152670345 | 152670346                        | 152670347 | 152670348                        | 152670349 | 152670350                        | 152670351 | 152670352                         | 152670353 | 152670354                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 20  | 152670355 | 152670356                      | 152670357 | 152670358                       | 152670359 | 152670360                       | 152670361 | 152670362                        | 152670363 | 152670364                        | 152670365 | 152670366                        | 152670367 | 152670368                        | 152670369 | 152670370                        | 152670371 | 152670372                        | 152670373 | 152670374                         | 152670375 | 152670376                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 22  | 152670377 | 152670378                      | 152670379 | 152670380                       | 152670381 | 152670382                       | 152670383 | 152670384                        | 152670385 | 152670386                        | 152670387 | 152670388                        | 152670389 | 152670390                        | 152670391 | 152670392                        | 152670393 | 152670394                        | 152670395 | 152670396                         | 152670397 | 152670398                         |          |   |  |          |  |  |
| H                                                       |           | CKTS: 24  | 152670399 | 152670400                      | 152670401 | 152670402                       | 152670403 | 152670404                       | 152670405 | 152670406                        | 152670407 | 152670408                        | 152670409 | 152670410                        | 152670411 | 152670412                        | 152670413 | 152670414                        | 152670415 | 152670416                        | 152670417 | 152670418                         | 152670419 | 152670420                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 26  | 152670421 | 152670422                      | 152670423 | 152670424                       | 152670425 | 152670426                       | 152670427 | 152670428                        | 152670429 | 152670430                        | 152670431 | 152670432                        | 152670433 | 152670434                        | 152670435 | 152670436                        | 152670437 | 152670438                        | 152670439 | 152670440                         | 152670441 | 152670442                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 28  | 152670443 | 152670444                      | 152670445 | 152670446                       | 152670447 | 152670448                       | 152670449 | 152670450                        | 152670451 | 152670452                        | 152670453 | 152670454                        | 152670455 | 152670456                        | 152670457 | 152670458                        | 152670459 | 152670460                        | 152670461 | 152670462                         | 152670463 | 152670464                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 30  | 152670465 | 152670466                      | 152670467 | 152670468                       | 152670469 | 152670470                       | 152670471 | 152670472                        | 152670473 | 152670474                        | 152670475 | 152670476                        | 152670477 | 152670478                        | 152670479 | 152670480                        | 152670481 | 152670482                        | 152670483 | 152670484                         | 152670485 | 152670486                         |          |   |  |          |  |  |
| G                                                       |           | CKTS: 32  | 152670487 | 152670488                      | 152670489 | 152670490                       | 152670491 | 152670492                       | 152670493 | 152670494                        | 152670495 | 152670496                        | 152670497 | 152670498                        | 152670499 | 152670500                        | 152670501 | 152670502                        | 152670503 | 152670504                        | 152670505 | 152670506                         | 152670507 | 152670508                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 34  | 152670509 | 152670510                      | 152670511 | 152670512                       | 152670513 | 152670514                       | 152670515 | 152670516                        | 152670517 | 152670518                        | 152670519 | 152670520                        | 152670521 | 152670522                        | 152670523 | 152670524                        | 152670525 | 152670526                        | 152670527 | 152670528                         | 152670529 | 152670530                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 36  | 152670531 | 152670532                      | 152670533 | 152670534                       | 152670535 | 152670536                       | 152670537 | 152670538                        | 152670539 | 152670540                        | 152670541 | 152670542                        | 152670543 | 152670544                        | 152670545 | 152670546                        | 152670547 | 152670548                        | 152670549 | 152670550                         | 152670551 | 152670552                         |          |   |  |          |  |  |
|                                                         |           | CKTS: 38  | 152670553 | 152670554                      | 152670555 | 152670556                       | 152670557 | 152670558                       | 152670559 | 152670560                        | 152670561 | 152670562                        | 152670563 | 152670564                        | 152670565 | 152670566                        | 152670567 | 152670568                        | 152670569 | 152670570                        | 152670571 | 152670572                         | 152670573 | 152670574                         |          |   |  |          |  |  |
| CKTS: 40                                                | 152670575 | 152670576 | 152670577 | 152670578                      | 152670579 | 152670580                       | 152670581 | 152670582                       | 152670583 | 152670584                        | 152670585 | 152670586                        | 152670587 | 152670588                        | 152670589 | 152670590                        | 152670591 | 152670592                        | 152670593 | 152670594                        | 152670595 | 152670596                         |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
| F                                                       |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
| E                                                       |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
| D                                                       |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
| C                                                       |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
| B                                                       |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
| A                                                       |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
|                                                         |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |
| </                                                      |           |           |           |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |          |   |  |          |  |  |

|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|---|---------------------------------------------------------|--------------------------------|-----------|---------------------------------|-----------|---------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|----------------------------------|-----------|-----------------------------------|-----------|-----------------------------------|-----------|---|
|   | 13                                                      | 12                             | 11        | 10                              | 9         | 8                               | 7         | 6                                | 5         | 4                                | 3         | 2                                | 1         |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| J | 1.00MM CENTER FFC JUMPER CABLE (HIGH TEMPERATURE) CHART |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | J |
|   | "A" DIM.                                                | 1.18 ± .079 INCHES<br>30 ±2.00 |           | 2 ± .079 INCHES<br>51 ± 2.00 MM |           | 3 ± .118 INCHES<br>76 ± 3.00 MM |           | 4 ± .118 INCHES<br>102 ± 3.00 MM |           | 5 ± .157 INCHES<br>127 ± 4.00 MM |           | 6 ± .157 INCHES<br>152 ± 4.00 MM |           | 7 ± .157 INCHES<br>178 ± 4.00 MM |           | 8 ± .157 INCHES<br>203 ± 4.00 MM |           | 9 ± .197 INCHES<br>229 ± 5.00 MM |           | 10 ± .197 INCHES<br>254 ± 5.00 MM |           | 12 ± .197 INCHES<br>305 ± 5.00 MM |           |   |
| I | STIFFENER                                               | TYPE "A"                       | TYPE "D"  | TYPE "A"                        | TYPE "D"  | TYPE "A"                        | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                         | TYPE "D"  | TYPE "A"                          | TYPE "D"  | TYPE "A"                          | TYPE "D"  |   |
|   | CKTS: 5                                                 | 152670723                      | 152670722 | 152670725                       | 152670724 | 152670727                       | 152670726 | 152670729                        | 152670728 | 152670731                        | 152670730 | 152670733                        | 152670732 | 152670735                        | 152670734 | 152670737                        | 152670736 | 152670739                        | 152670738 | 152670741                         | 152670740 | 152670743                         | 152670742 |   |
|   | CKTS: 7                                                 | 152670745                      | 152670744 | 152670747                       | 152670746 | 152670749                       | 152670748 | 152670751                        | 152670750 | 152670753                        | 152670752 | 152670755                        | 152670754 | 152670757                        | 152670756 | 152670759                        | 152670758 | 152670761                        | 152670760 | 152670763                         | 152670762 | 152670765                         | 152670764 |   |
|   | CKTS: 9                                                 | 152670767                      | 152670766 | 152670769                       | 152670768 | 152670771                       | 152670770 | 152670773                        | 152670772 | 152670775                        | 152670774 | 152670777                        | 152670776 | 152670779                        | 152670778 | 152670781                        | 152670780 | 152670783                        | 152670782 | 152670785                         | 152670784 | 152670787                         | 152670786 |   |
|   | CKTS: 11                                                | 152670789                      | 152670788 | 152670791                       | 152670790 | 152670793                       | 152670792 | 152670795                        | 152670794 | 152670797                        | 152670796 | 152670799                        | 152670798 | 152670801                        | 152670800 | 152670803                        | 152670802 | 152670805                        | 152670804 | 152670807                         | 152670806 | 152670809                         | 152670808 |   |
|   | CKTS: 13                                                | 152670811                      | 152670810 | 152670813                       | 152670812 | 152670815                       | 152670814 | 152670817                        | 152670816 | 152670819                        | 152670818 | 152670821                        | 152670820 | 152670823                        | 152670822 | 152670825                        | 152670824 | 152670827                        | 152670826 | 152670829                         | 152670828 | 152670831                         | 152670830 |   |
|   | CKTS: 15                                                | 152670833                      | 152670832 | 152670835                       | 152670834 | 152670837                       | 152670836 | 152670839                        | 152670838 | 152670841                        | 152670840 | 152670843                        | 152670842 | 152670845                        | 152670844 | 152670847                        | 152670846 | 152670849                        | 152670848 | 152670851                         | 152670850 | 152670853                         | 152670852 |   |
|   | CKTS: 17                                                | 152670855                      | 152670854 | 152670857                       | 152670856 | 152670859                       | 152670858 | 152670861                        | 152670860 | 152670863                        | 152670862 | 152670865                        | 152670864 | 152670867                        | 152670866 | 152670869                        | 152670868 | 152670871                        | 152670870 | 152670873                         | 152670872 | 152670875                         | 152670874 |   |
| H | CKTS: 19                                                | 152670877                      | 152670876 | 152670879                       | 152670878 | 152670881                       | 152670880 | 152670883                        | 152670882 | 152670885                        | 152670884 | 152670887                        | 152670886 | 152670889                        | 152670888 | 152670891                        | 152670890 | 152670893                        | 152670892 | 152670895                         | 152670894 | 152670897                         | 152670896 |   |
|   | CKTS: 21                                                | 152670899                      | 152670898 | 152670901                       | 152670900 | 152670903                       | 152670902 | 152670905                        | 152670904 | 152670907                        | 152670906 | 152670909                        | 152670908 | 152670911                        | 152670910 | 152670913                        | 152670912 | 152670915                        | 152670914 | 152670917                         | 152670916 | 152670919                         | 152670918 |   |
|   | CKTS: 23                                                | 152670921                      | 152670920 | 152670923                       | 152670922 | 152670925                       | 152670924 | 152670927                        | 152670926 | 152670929                        | 152670928 | 152670931                        | 152670930 | 152670933                        | 152670932 | 152670935                        | 152670934 | 152670937                        | 152670936 | 152670939                         | 152670938 | 152670941                         | 152670940 |   |
|   | CKTS: 25                                                | 152670943                      | 152670942 | 152670945                       | 152670944 | 152670947                       | 152670946 | 152670949                        | 152670948 | 152670951                        | 152670950 | 152670953                        | 152670952 | 152670955                        | 152670954 | 152670957                        | 152670956 | 152670959                        | 152670958 | 152670961                         | 152670960 | 152670963                         | 152670962 |   |
|   | CKTS: 27                                                | 152670965                      | 152670964 | 152670967                       | 152670966 | 152670969                       | 152670968 | 152670971                        | 152670970 | 152670973                        | 152670972 | 152670975                        | 152670974 | 152670977                        | 152670976 | 152670979                        | 152670978 | 152670981                        | 152670980 | 152670983                         | 152670982 | 152670985                         | 152670984 |   |
|   | CKTS: 29                                                | 152670987                      | 152670986 | 152670989                       | 152670988 | 152670991                       | 152670990 | 152670993                        | 152670992 | 152670995                        | 152670994 | 152670997                        | 152670996 | 152670999                        | 152670998 | 152671001                        | 152671000 | 152671003                        | 152671002 | 152671005                         | 152671004 | 152671007                         | 152671006 |   |
|   | CKTS: 31                                                | 152671009                      | 152671008 | 152671011                       | 152671010 | 152671013                       | 152671012 | 152671015                        | 152671014 | 152671017                        | 152671016 | 152671019                        | 152671018 | 152671021                        | 152671020 | 152671023                        | 152671022 | 152671025                        | 152671024 | 152671027                         | 152671026 | 152671029                         | 152671028 |   |
|   | CKTS: 33                                                | 152671031                      | 152671030 | 152671033                       | 152671032 | 152671035                       | 152671034 | 152671037                        | 152671036 | 152671039                        | 152671038 | 152671041                        | 152671040 | 152671043                        | 152671042 | 152671045                        | 152671044 | 152671047                        | 152671046 | 152671049                         | 152671048 | 152671051                         | 152671050 |   |
| G | CKTS: 35                                                | 152671053                      | 152671052 | 152671055                       | 152671054 | 152671057                       | 152671056 | 152671059                        | 152671058 | 152671061                        | 152671060 | 152671063                        | 152671062 | 152671065                        | 152671064 | 152671067                        | 152671066 | 152671069                        | 152671068 | 152671071                         | 152671070 | 152671073                         | 152671072 |   |
|   | CKTS: 37                                                | 152671075                      | 152671074 | 152671077                       | 152671076 | 152671079                       | 152671078 | 152671081                        | 152671080 | 152671083                        | 152671082 | 152671085                        | 152671084 | 152671087                        | 152671086 | 152671089                        | 152671088 | 152671091                        | 152671090 | 152671093                         | 152671092 | 152671095                         | 152671094 |   |
|   | CKTS: 39                                                | 152671097                      | 152671096 | 152671099                       | 152671098 | 152671101                       | 152671100 | 152671103                        | 152671102 | 152671105                        | 152671104 | 152671107                        | 152671106 | 152671109                        | 152671108 | 152671111                        | 152671110 | 152671113                        | 152671112 | 152671115                         | 152671114 | 152671117                         | 152671116 |   |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| F |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | F |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| E |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | E |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| D |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | D |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| C |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | C |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| B |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | B |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
| A |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           | A |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|   |                                                         |                                |           |                                 |           |                                 |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |
|   | 13                                                      | 12                             | 11        | 10                              | 9         | 8                               | 7         | 6                                | 5         | 4                                | 3         | 2                                | 1         |                                  |           |                                  |           |                                  |           |                                   |           |                                   |           |   |

NOTES:

1. NO PRINTING ON JUMPER CABLE UNLESS OTHERWISE SPECIFIED. IF PRINTING IS REQUIRED, THEN IT WOULD BE CONSIDERED A SPECIAL JUMPER CABLE.

SEE SHEET 1

EC NO:

DRWN:

1

REV

QUALITY SYMBOL

▽=0

▽C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES ±--- ±---

3 PLACES ±--- ±---

2 PLACES ±--- ±---

1 PLACE ±--- ±---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM

DRAWN BY DATE

CHECKED BY DATE

APPROVED BY DATE

DRASMUSS 2010/11/17

MATERIAL NO.

SEE CHART

SIZE C

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE ---

DESIGN UNITS METRIC

THIRD ANGLE PROJECTION

1.00MM CENTER FFC JUMPER CABLE

Molex MOLEX INCORPORATED

DOCUMENT NO. SD-15267-001

SHEET NO. 2 OF 2

NOTES:

1. NO PRINTING ON JUMPER CABLE UNLESS OTHERWISE SPECIFIED. IF PRINTING IS REQUIRED, THEN IT WOULD BE CONSIDERED A SPECIAL JUMPER CABLE.

|             |                                                      |                                                                                                                                                                                      |                                       |              |                                                                                                                               |                 |            |           |              |                                   |  |  |
|-------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-----------|--------------|-----------------------------------|--|--|
| SEE SHEET 1 | DESCRIPTION                                          | QUALITY SYMBOL                                                                                                                                                                       | GENERAL TOLERANCES (UNLESS SPECIFIED) |              |                                                                                                                               | DIMENSION STYLE |            | SCALE     | DESIGN UNITS | THIRD ANGLE PROJECTION            |  |  |
|             |                                                      |  =0<br> =0 |                                       | mm           | INCH                                                                                                                          | MM              |            | ---       | METRIC       | 1.00MM CENTER<br>FFC JUMPER CABLE |  |  |
|             |                                                      |                                                                                                                                                                                      | 4 PLACES                              | ±---         | ±---                                                                                                                          | DRAWN BY        | DATE       | TITLE     |              |                                   |  |  |
|             |                                                      |                                                                                                                                                                                      | 3 PLACES                              | ±---         | ±---                                                                                                                          | CHECKED BY      | DATE       |           |              |                                   |  |  |
|             |                                                      |                                                                                                                                                                                      | 2 PLACES                              | ±---         | ±---                                                                                                                          | -----           |            |           |              |                                   |  |  |
|             |                                                      |                                                                                                                                                                                      | 1 PLACE                               | ±---         | ±---                                                                                                                          | APPROVED BY     |            |           |              |                                   |  |  |
|             |                                                      | ANGULAR ±1/2°                                                                                                                                                                        |                                       |              | DRASMUSS                                                                                                                      |                 | 2010/11/17 |           |              |                                   |  |  |
|             | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                                                                      |                                       | MATERIAL NO. |                                                                                                                               | DOCUMENT NO.    |            | SHEET NO. |              |                                   |  |  |
|             |                                                      |                                                                                                                                                                                      |                                       | SEE CHART    |                                                                                                                               | SD-15267-001    |            | 2 OF 2    |              |                                   |  |  |
|             |                                                      |                                                                                                                                                                                      |                                       | SIZE<br>C    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                 |            |           |              |                                   |  |  |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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