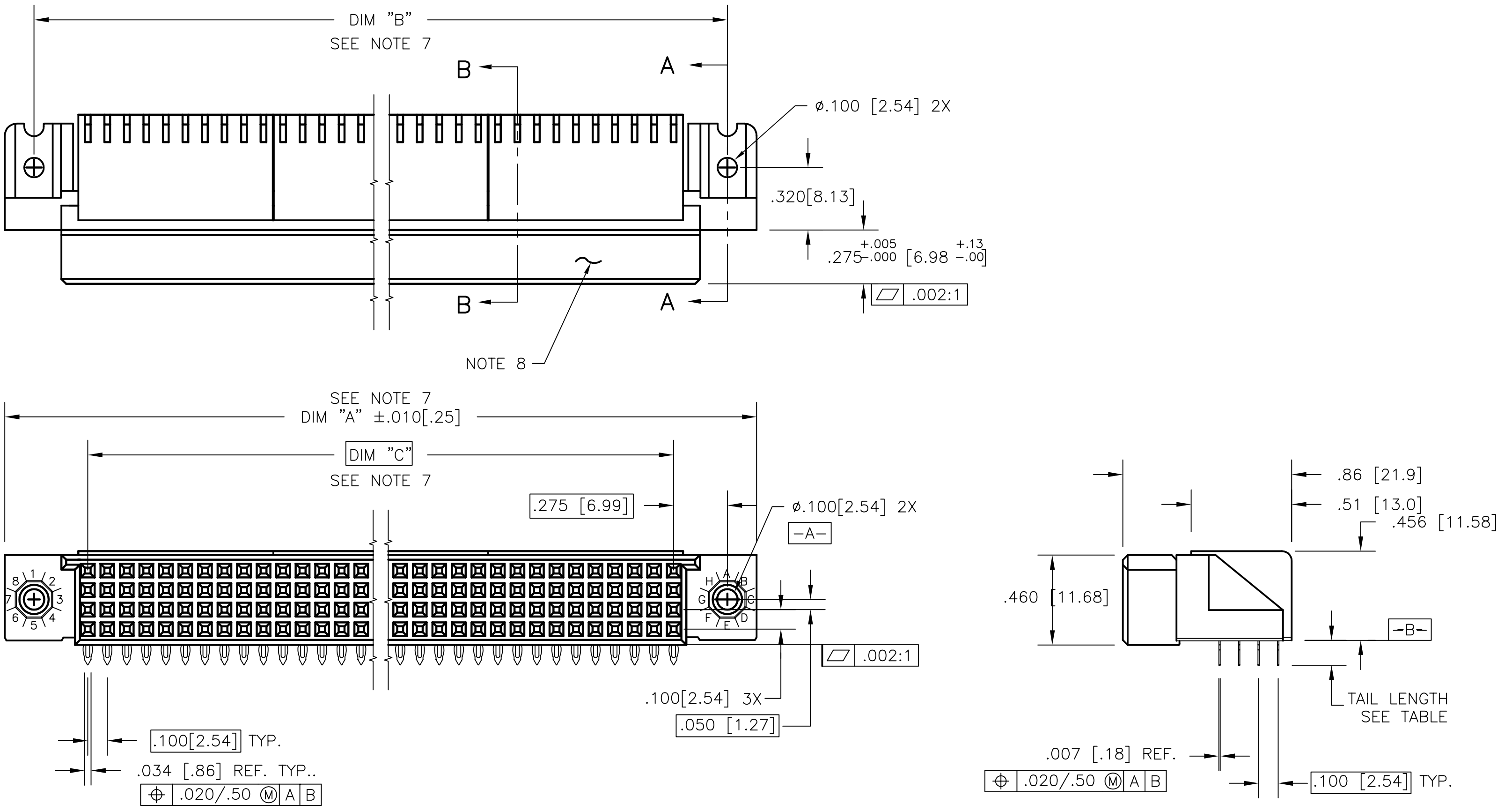
PRODUCT NUMBER
SEE TABLE



| mat'l. code | surface | tolerance | projection | product family |
|---|---|---|---|---|
| NOTE 3 | ISO 1302 √ | ISO 406<br>ISO 1101 | | HPC |

| ltr | ecn no | dr | date |
|---|---|---|---|
| P | V10824 | JRW | 2/6/01 |
| R | V05-0460 | DAI | 7/13/05 |
| S | V05-1003 | DAI | 11/1/05 |
| T | V05-1041 | HTB | 11/14/05 |
| U | M06-0255 | MHT | 7/06/06 |
| V | M06-0388 | MHT | 10/04/06 |
| W | M08-0149 | MHT | 5/27/08 |

tolerances unless otherwise specified

| angles | linear | |
|---|---|---|
| | | .XX±.01/.X±0.3 |
| | | .XXX±.005/.XX±0.13 |
| 0°±2° | | .XXXX±.0020/.XXX±0.051 |

| | | |
|---|---|---|
| dr | D.INGRAM | 7/13/05 |
| engr | D.HORCHLER | 7/13/05 |
| chr | T.BREWBAKER | 7/13/05 |
| appd | D.HORCHLER | 7/13/05 |

INCH/MM
scale 1:1

title
4 ROW R/A RECEPTACLE
PRESS FIT

dwg no 50642
sheet 1 of 7
size A3

type Product Customer Drawing

| sheet index | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | revision | W | W | W | W | W | W | W |
| | sheet | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

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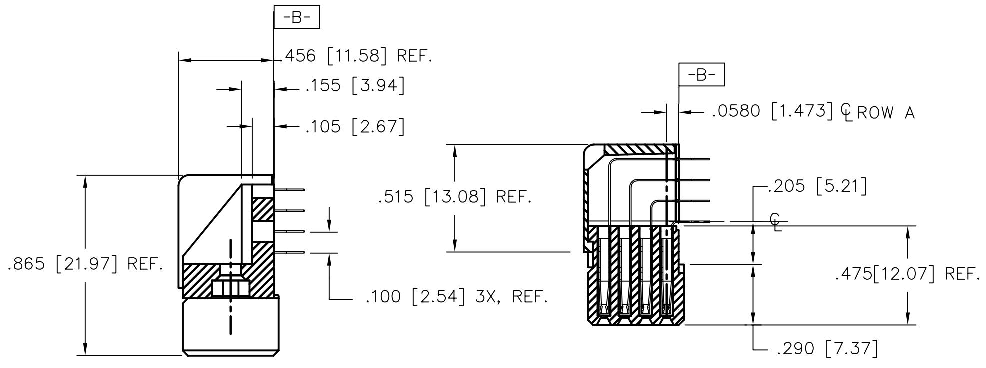
form: A3

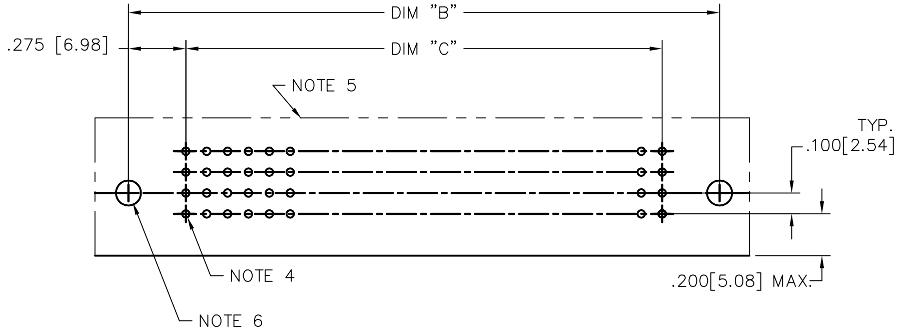
PDM: Rev:W STATUS: Released Printed: May 14, 2011

PRODUCT NUMBER
SEE TABLE



SECTION A–A

SECTION B–B



## RECOMMENDED PCB LAYOUT

(ALL HOLES LOCATED ON .100[2.54]
GRID UNLESS OTHERWISE SHOWN)

| | | | | | |
|---|---|---|---|---|---|
| mat'l. code<br>NOTE 3 | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101 | projection | product family<br>HPC | |
| ltr / ecn no / dr / date | tolerances unless otherwise specified | | | title | |
| W | angles<br>0°±2° | linear | .XX±.01/.X±0.3<br>.XXX±.005/.XX±0.13<br>.XXXX±.0020/.XXX±0.051 | INCH/MM<br>scale 1:1 | 4 ROW R/A RECEPTACLE<br>PRESS FIT |
| | dr | D.INGRAM | 7/13/05 | | dwg no 50642 sheet 2 of 7 |
| | engr | D.HORCHLER | 7/13/05 | | size A3 |
| | chr | T.BREWBAKER | 7/13/05 | | |
| | appd | D.HORCHLER | 7/13/05 | | type Product Customer Drawing |
| sheet index | revision sheet | | | | |

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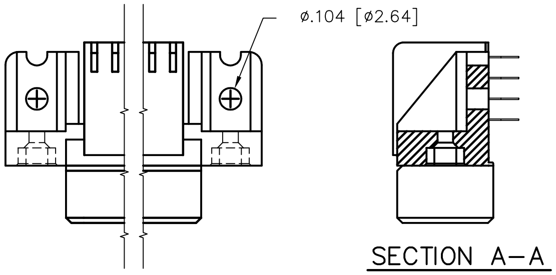
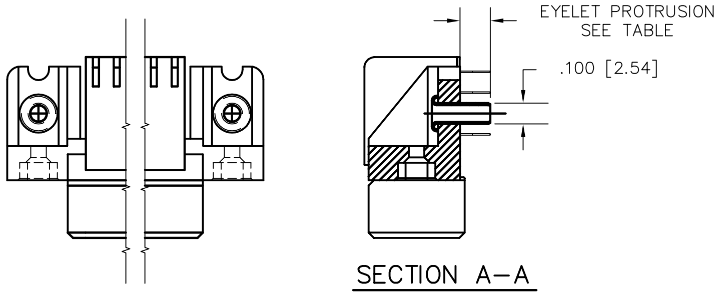
form: A3

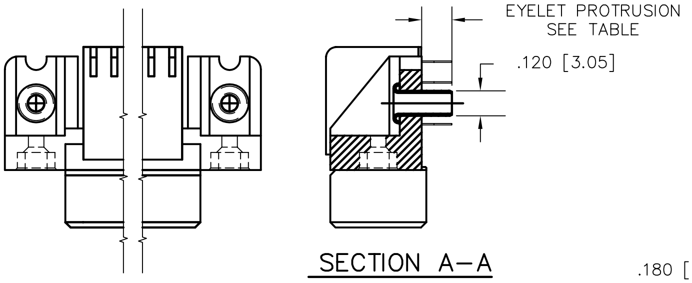
| PRODUCT NUMBER |
|---|
| SEE TABLE |



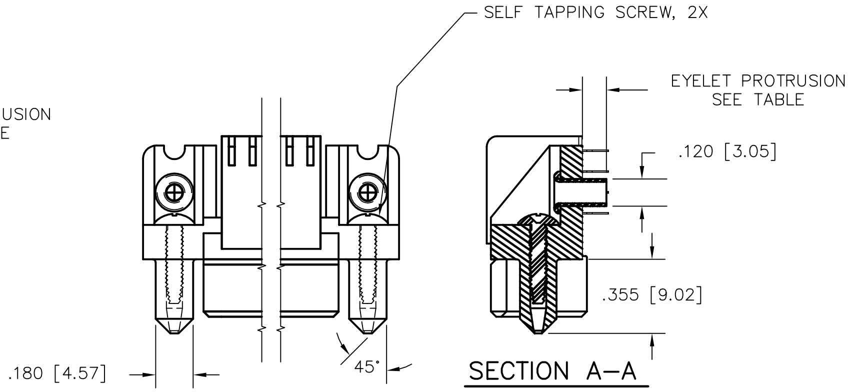
SPECIAL FEATURE OPTION A
SEE NOTE 6



SPECIAL FEATURE OPTION B
SEE NOTE 6



SPECIAL FEATURE OPTION C
SEE NOTE 6



SPECIAL FEATURE OPTION D
SEE NOTE 6

| | |
|---|---|
| mat'l. code | NOTE 3 |
| surface | ISO 1302 |
| tolerance | ISO 406<br>ISO 1101 |
| projection | |
| product family | HPC |
| title | 4 ROW R/A RECEPTACLE<br>PRESS FIT |
| tolerances unless otherwise specified | |
| angles | 0°±2° |
| linear | .XX±.01/.X±0.3<br>.XXX±.005/.XX±0.13<br>.XXXX±.0020/.XXX±0.051 |
| INCH/MM | |
| scale | 1:1 |
| dwg no | 50642 |
| sheet | 3 of 7 |
| size | A3 |
| type | Product Customer Drawing |

| ltr | ecn no | dr | date |
|---|---|---|---|
| W | | | |

| | | |
|---|---|---|
| dr | D.INGRAM | 7/13/05 |
| engr | D.HORCHLER | 7/13/05 |
| chr | T.BREWBAKER | 7/13/05 |
| appd | D.HORCHLER | 7/13/05 |

| sheet index | revision sheet |
|---|---|

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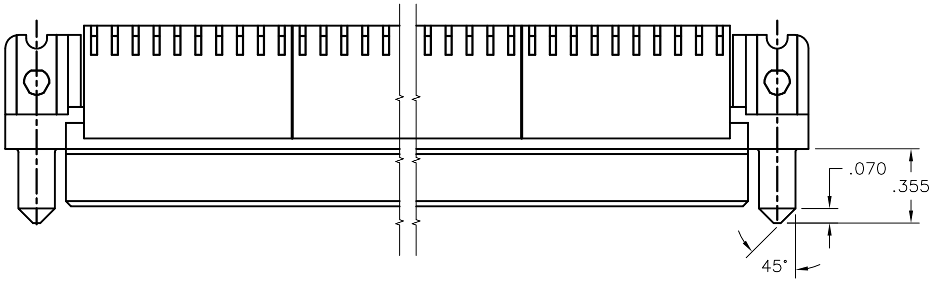
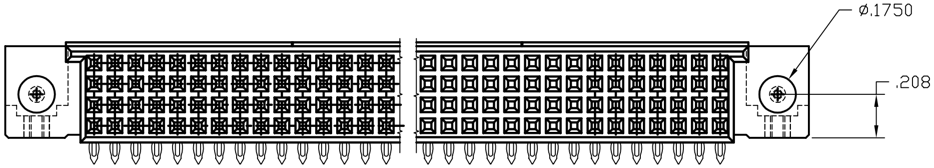
| PRODUCT NUMBER |
|---|
| SEE TABLE |



SPECIAL FEATURE OPTION E
SEE NOTE 6



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| mat'l. code<br>NOTE 3 | | | | surface<br>ISO 1302 √ | tolerance<br>ISO 406<br>ISO 1101 | projection | product family<br>HPC |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | title<br>4 ROW R/A RECEPTACLE<br>PRESS FIT |
| W | | | | angles | linear | .XX±.01/.X±0.3 | INCH/MM |
| | | | | | | .XXX±.005/.XX±0.13 | |
| | | | | 0°±2° | | .XXXX±.0020/.XXX±0.051 | scale 1:1 |
| | | | | dr | D.INGRAM | 7/13/05 | dwg no 50642<br>sheet 4 of 7<br>size A3 |
| | | | | engr | D.HORCHLER | 7/13/05 | |
| | | | | chr | T.BREWBAKER | 7/13/05 | |
| | | | | appd | D.HORCHLER | 7/13/05 | type Product Customer Drawing |
| sheet index | revision sheet | | | | | | |

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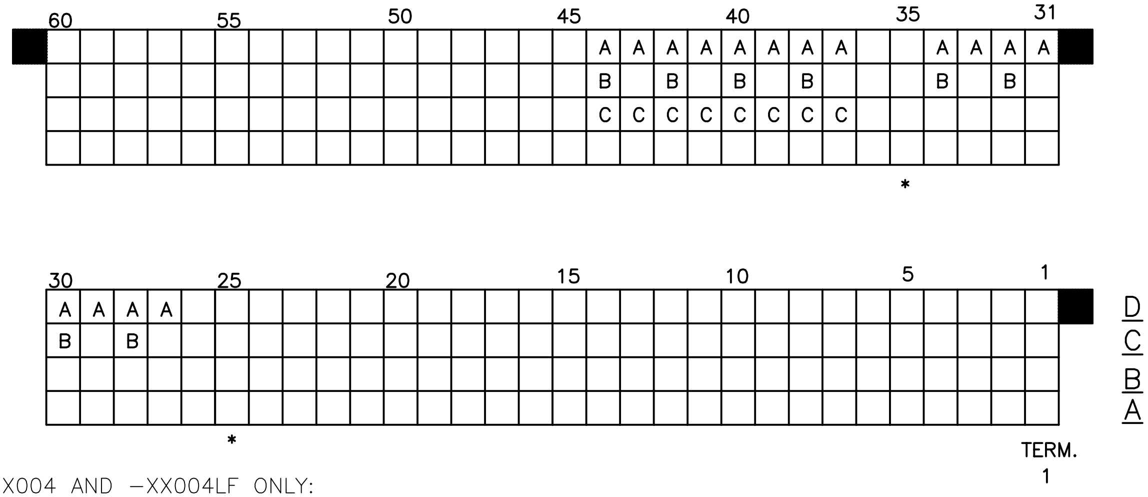
| PRODUCT NUMBER |
|---|
| 50642−XX004 |
| 50642−XX004LF |

SELECT LOAD ( 50642−XX004 AND 50642−XX004LF ONLY)



SPECIAL NOTES FOR −XX004 AND −XX004LF ONLY:

1. ALL POSITIONS ARE LOADED, EXCEPT OMITS AS SHOWN.
2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL TERM. 1, AS VIEWED FROM THE MATING FACE.

3. BECAUSE OF THE SELECT LOAD TERMINAL POSITIONS, ONLY 2 PRESS BLOCKS NEED TO BE INSTALLED−ONE PLACED STARTING IN COL. 25(*) AND ENDING IN COL. 34 THE OTHER PLACED STARTING IN COL. 35(*) AND ENDING IN COL.44.

4. SIGNAL DATA FOR 50642−XX004 AND −XX004LF:
SIZE 4 x 60
TOTAL NO. OF POSITIONS − 240
NO. OF POSITIONS LOADED − 032

| ITEM KEY | QTY. |
|---|---|
| A | 16 |
| B | 8 |
| C | 8 |
| BLANK | 208 |

| | | | |
|---|---|---|---|
| mat'l. code<br>NOTE 3 | surface<br>ISO 1302 √ | tolerance<br>ISO 406<br>ISO 1101 | projection |
| tolerances unless otherwise specified | | | |
| angles<br>0°±2° | linear | .XX±.01/.X±0.3<br>.XXX±.005/.XX±0.13<br>.XXXX±.0020/.XXX±0.051 | INCH/MM<br>scale 1:1 |

| ltr | ecn no | dr | date |
|---|---|---|---|
| W | | | |

| | | |
|---|---|---|
| dr | D.INGRAM | 7/13/05 |
| engr | D.HORCHLER | 7/13/05 |
| chr | T.BREWBAKER | 7/13/05 |
| appd | D.HORCHLER | 7/13/05 |

product family
HPC

title
4 ROW R/A RECEPTACLE
PRESS FIT

dwg no 50642
sheet 5 of 7
size A3
type Product Customer Drawing

sheet index
revision sheet

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form: A3

PDM: Rev:W STATUS: Released Printed: May 14, 2011

| PRODUCT NUMBER | NUMBER OF POSITIONS NOTE 2 | TAIL LENGTH | SPECIAL FEATURES SEE NOTE 6 | SOLDER TAIL PLATING | CONTACT PLATING | EYELET PROTRUSION | GUIDE PINS |
|---|---|---|---|---|---|---|---|
| 50642–1YYYE | YYY | .125±.010/3.18±.25 | – | TIN LEAD | 30u"/.76u Au | N/A | NONE |
| 50642–1YYYELF | YYY | .125±.010/3.18±.25 | – | TIN | 30u"/.76u GXT | N/A | NONE |
| 50642–1YYYEA | YYY | .125±.010/3.18±.25 | "A" | TIN LEAD | 30u"/.76u Au | N/A | NONE |
| 50642–1YYYEALF | YYY | .125±.010/3.18±.25 | "A" | TIN | 30u"/.76u GXT | N/A | NONE |
| 50642–1YYYEB | YYY | .125±.010/3.18±.25 | "B" | TIN LEAD | 30u"/.76u Au | .145/3.68 | NONE |
| 50642–1YYYEBLF | YYY | .125±.010/3.18±.25 | "B" | TIN | 30u"/.76u GXT | .145/3.68 | NONE |
| 50642–1YYYEC | YYY | .125±.010/3.18±.25 | "C" | TIN LEAD | 30u"/.76u Au | .115/2.92 | NONE |
| 50642–1YYYECLF | YYY | .125±.010/3.18±.25 | "C" | TIN | 30u"/.76u GXT | .115/2.92 | NONE |
| 50642–1YYYED | YYY | .125±.010/3.18±.25 | "D" | TIN LEAD | 30u"/.76u Au | .115/2.92 | 2 |
| 50642–1YYYEDLF | YYY | .125±.010/3.18±.25 | "D" | TIN | 30u"/.76u GXT | .115/2.92 | 2 |
| 50642–1YYYEE | YYY | .125±.010/3.18±.25 | "E" | TIN LEAD | 30u"/.76u Au | N/A | 2 |
| 50642–1YYYEELF | YYY | .125±.010/3.18±.25 | "E" | TIN | 30u"/.76u GXT | N/A | 2 |
| 50642–1YYYF | YYY | .145±.010/3.68±.25 | – | TIN LEAD | 30u"/.76u Au | N/A | NONE |
| 50642–1YYYFLF | YYY | .145±.010/3.68±.25 | – | TIN | 30u"/.76u GXT | N/A | NONE |
| 50642–1YYYFA | YYY | .145±.010/3.68±.25 | "A" | TIN LEAD | 30u"/.76u Au | N/A | NONE |
| 50642–1YYYFALF | YYY | .145±.010/3.68±.25 | "A" | TIN | 30u"/.76u GXT | N/A | NONE |
| 50642–1YYYFC | YYY | .145±.010/3.68±.25 | "C" | TIN LEAD | 30u"/.76u Au | .145/3.68 | NONE |
| 50642–1YYYFCLF | YYY | .145±.010/3.68±.25 | "C" | TIN | 30u"/.76u GXT | .145/3.68 | NONE |
| 50642–1YYYFD | YYY | .145±.010/3.68±.25 | "D" | TIN LEAD | 30u"/.76u Au | .145/3.68 | 2 |
| 50642–1YYYFDLF | YYY | .145±.010/3.68±.25 | "D" | TIN | 30u"/.76u GXT | .145/3.68 | 2 |
| 50642–1YYYFE | YYY | .145±.010/3.68±.25 | "E" | TIN LEAD | 30u"/.76u Au | N/A | 2 |
| 50642–1YYYFELF | YYY | .145±.010/3.68±.25 | "E" | TIN | 30u"/.76u GXT | N/A | 2 |
| 50642–XX004 | 240 | .125±.010/3.18±.25 | SEE SHEET 5 | TIN LEAD | 30u"/.76u Au | N/A | NONE |
| 50642–XX004LF | 240 | .125±.010/3.18±.25 | SEE SHEET 5 | TIN | 30u"/.76u GXT | N/A | NONE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| mat'l. code<br>NOTE 3 | | | | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101 | projection | product family<br>HPC |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | title<br>4 ROW R/A RECEPTACLE<br>PRESS FIT |
| W | | | | angles | linear .XX±.01/.X±0.3 | INCH/MM | |
| | | | | | .XXX±.005/.XX±0.13 | | |
| | | | | 0°±2° | .XXXX±.0020/.XXX±0.051 | scale 1:1 | |
| | | | | dr D.INGRAM | 7/13/05 | | dwg no 50642 sheet 6 of 7 size A3 |
| | | | | engr D.HORCHLER | 7/13/05 | | |
| | | | | chr T.BREWBAKER | 7/13/05 | | |
| | | | | appd D.HORCHLER | 7/13/05 | | type Product Customer Drawing |
| sheet index | revision sheet | | | | | | |

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form: A3

PRODUCT NUMBER
SEE TABLE

NOTES:

① PRODUCT NUMBERING CODE

50642– X YYY Z S LF
- LF: LEAD FREE (OPTIONAL)
- S: SPECIAL FEATURES SEE TABLE
- Z: TAIL LENGTH SEE TABLE
- YYY: NO. OF POSITIONS SEE NOTE 2
- X: PLATING SEE TABLE
- 50642: BASE NUMBER

PRODUCT NUMBERING CODE FOR SELECT LOAD

50642– XX YYY LF
- LF: LEAD FREE (OPTIONAL)
- YYY: SEQUENCE NUMBER
- XX: ALWAYS "XX"
- 50642: BASE NUMBER

② THIS PRODUCT IS CONFIGURED IN SIZES OF 6 THRU 80 COLUMNS IN INCREMENTS OF ONE, i.e. 6, 7, 8, 9, .....79, 80.

③ MATERIAL: PRESS BLOCK – HIGH TEMP THERMOPLASTIC;
HOUSING–GLASS AND MINERAL FILLED HIGH TEMPERTURE THERMOPLASTIC, FLAME RETARDANT PER UL94V–O. COLOR–BLACK
CONTACT–BeCU

④ DRILLED HOLE DIA OF .0453±.001 INCH FINISHED TO .0400±.0030 INCH BY PLATING SnPb OR OTHER PLATING 0.0003 TO 0.0006 INCHES THICK WITH A COPPER UNDERPLATE AS NEEDED.

⑤ INFORMATION DOCUMENT: FOR PCB STAY– AWAY ZONE, SEE TA–0954.

⑥ SPECIAL FEATURES (SEE PRODUCT NUMBER TABLE, AND DETIALS ON SHEET 3)

| | |
|---|---|
| – | IF NO SPECIAL FEATURE CODE IS SELECTED, PCB MOUNTING HOLE DIMENSION TO BE ø.120±.003[3.05±0.07] |
| "A" | PCB MOUNTING HOLE DIMENSION TO BE ø.100±.003[2.54±0.07] |
| "B" | INCLUDES PRE–INSTALLED EYELETS FOR PCB ATTACHMENT IN A ø.100±.003[2.54±0.07] MOUNTING HOLE. (E TAIL ONLY) |
| "C" | INCLUDES PRE–INSTALLED EYELETS FOR PCB ATTACHMENT IN A ø.120±.003[3.05±0.07] MOUNTING HOLE. |
| "D" | INCLUDES PRE–INSTALLED EYELETS WITH MOLDED GUIDE PINS FOR PCB ATTACHMENT IN A ø.120±.003[3.05±0.07] MOUNTING HOLE. |
| "E" | INCLUDES MOLDED GUIDE PINS WITH TRI–HOLE SHAPED MOUNTING HOLES. (EYELETS NOT INSTALLED) |

⑦ LENGTH CALCULATIONS:
DIMENSION "A" CALCULATION = .100 [2.54] X NO. OF COLUMNS + .75 [19.1]
DIMENSION "B" CALCULATION = .100 [2.54] X NO. OF COLUMNS + .450[11.43]
DIMENSION "C" CALCULATION = .100 [2.54] X NO. OF COLUMNS – .100[2.54]

⑧ MANUFACTURE'S LOGO, PN, AND LOT CODE TO APPEAR ON THIS SURFACE.

9. THIS PRODUCT (WITH "LF" SUFFIX) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS–22–008.

10. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERTURE FOR 10–30 SECONDS IN A CONVECTION, INFRA–RED OR VAPOR PHASE REFLOW OVEN.

11. ALL POSITIONS ARE LOADED EXCEPT FOR –XXYYY ASSEMBLIES WHICH HAVE SELECTIVE LOADING.

mat'l. code NOTE 3
surface ISO 1302 √
tolerance ISO 406 ISO 1101
projection
product family HPC

| ltr | ecn no | dr | date |
|---|---|---|---|
| W | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

tolerances unless otherwise specified
angles 0°±2°
linear .XX±.01/.X±0.3 | .XXX±.005/.XX±0.13 | .XXXX±.0020/.XXX±0.051
INCH/MM
scale 1:1

| | | |
|---|---|---|
| dr | D.INGRAM | 7/13/05 |
| engr | D.HORCHLER | 7/13/05 |
| chr | T.BREWBAKER | 7/13/05 |
| appd | D.HORCHLER | 7/13/05 |

title
4 ROW R/A RECEPTACLE
PRESS FIT

dwg no 50642 sheet 7 of 7 size A3
type Product Customer Drawing

sheet index | revision sheet

form: A3

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PDM: Rev:W STATUS: Released Printed: May 14, 2011

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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.

## Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)
**Факс:** 8 (812) 320-02-42
**Электронная почта:** org@eplast1.ru
**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.