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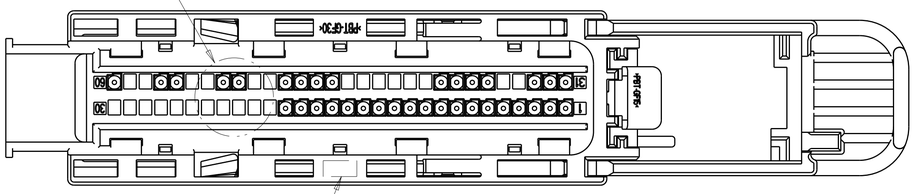
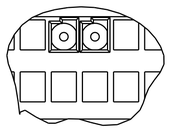
REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | BA3 | REVISED PER ECO-15-004852 | 27MAR2015 | DLD | DLD |

SEE DETAIL A

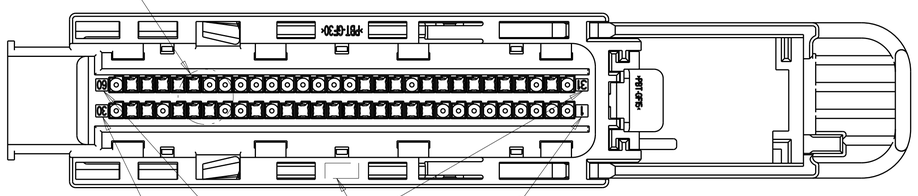


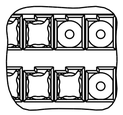

ALTERNATE CONSTRUCTION



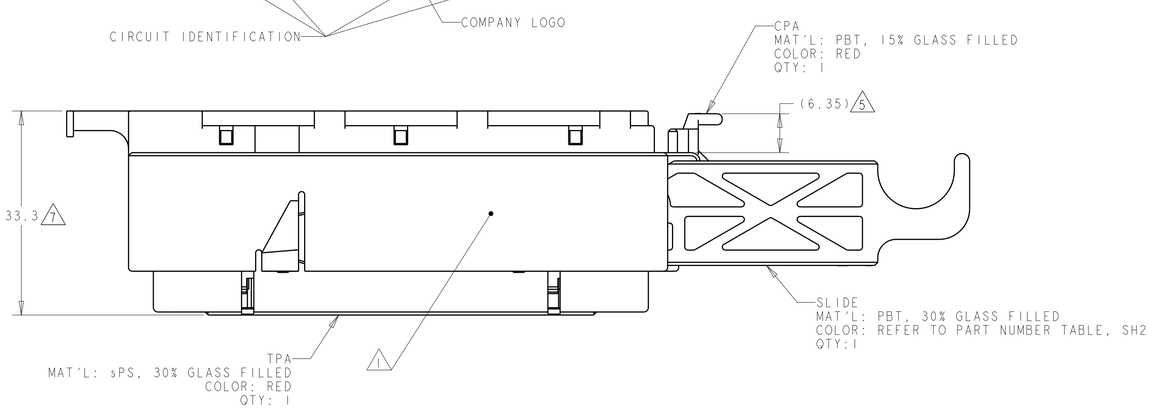
DETAIL A
SCALE 4:1

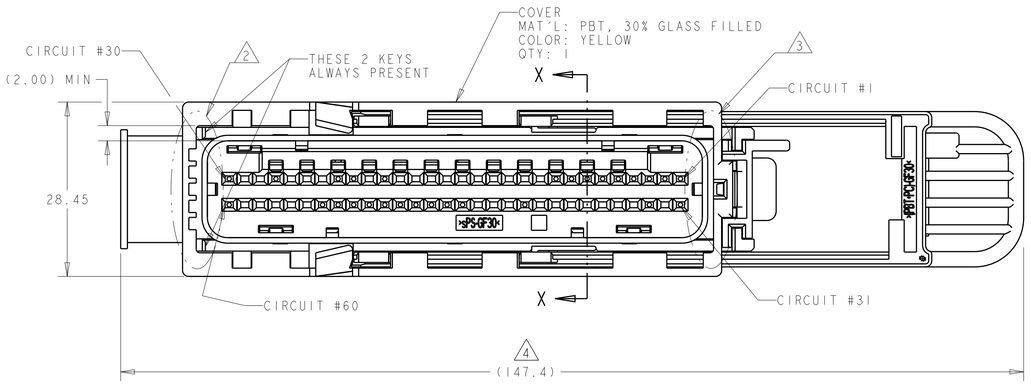
SEE DETAIL B

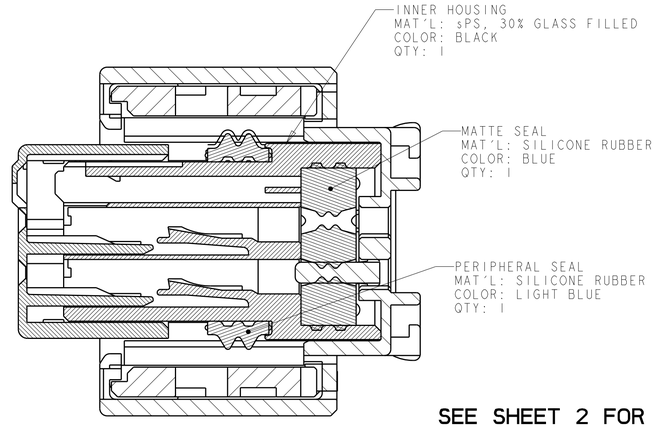


DETAIL B
SCALE 4:1




SECTION X-X
SCALE 4:1

1. TE CONNECTIVITY (TE) PART NUMBER AND JULIAN DATE CODE MARKED ON THIS SIDE.
2. SEE KEYING ARRANGEMENT TABLE FOR KEYWAY LOCATIONS, SEE SHEET 6.
3. SEE KEYING ARRANGEMENT TABLE FOR KEY LOCATIONS, SEE SHEET 6.
4. SLIDE SHOWN IN UNLOCKED POSITION.
5. CPA SHOWN IN UNLOCKED POSITION.
6. NOTE DELETED.
7. TPA SHOWN IN UNLOCKED POSITION.
8. REFER TO DRAWING C-638623 AND/OR C-1488143 FOR MATING CONNECTOR INFORMATION.
9. NOT FOR PRODUCTION USE.
10. MISCELLANEOUS COMPONENT ENGAGE/DISENGAGE FORCE, SAE/USCAR-2, SECTION 5.4.4.4, G.M. APPROVED DEVIATION:
    TPA (PRE-SET TO FULL) FORCES TO BE 15 TO 55 NEWTONS.
11. MISCELLANEOUS COMPONENT ENGAGE/DISENGAGE FORCE, SAE/USCAR-2, SECTION 5.4.4.4, G.M. APPROVED DEVIATION:
    CPA (PRE-SET TO FULL) FORCES TO BE 7 TO 30 NEWTONS.
12. POLARIZATION FEATURE EFFECTIVENESS, SAE/USCAR-2, SECTION 4.3.4, G.M. APPROVED DEVIATION:
    DURING MISMATING FORCE TESTING CERTAIN CONNECTOR/HEADER COMBINATIONS MAY ALLOW ELECTRICAL CONTACT OF UP TO 26 PINS BELOW THE REQUIRED 220 NEWTON FORCE.
13. CONNECTOR-CONNECTOR MATING/UNMATING FORCE, SAE/USCAR-2, SECTION 5.4.2.4, G.M. APPROVED DEVIATION:
    MATING FORCE IS ACCEPTABLE FOR THE CONNECTOR/HEADER SYSTEM UP TO 50 TERMINALS AT ≤ 75 NEWTONS.
14. APPLICABLE TE GET FEMALE TERMINALS:
    FOR 0.22/0.35 WIRE SECTION, TERMINAL PART NUMBER 1393364-2
    FOR 0.50/0.0.75 WIRE SECTION, TERMINAL PART NUMBER 1393365-2
15. REFER TO POGO PIN FOR GET SOCKET TERMINAL ON TE DRAWING #114-18411 FOR CONTINUITY TESTING.
16. PRELIMINARY NOT RELEASED FOR PRODUCTION.

**SEE SHEET 2 FOR HEADER INTERFACE SPECIFICATION,
SHEET 6 FOR KEYING ARRANGEMENTS,
AND SHEETS 7, 8 & 9 FOR CIRCUIT ARRANGEMENTS**

SEE SHEET 3

PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE CALLOUT

FINISH - SEE CALLOUT

DWN J.R.SHUEY 31MAR2000
CHK V.KANE 31MAR2000
APVD J.M.MYER 31MAR2000
PRODUCT SPEC -
APPLICATION SPEC 114-13060
WEIGHT -

TE Connectivity

NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION)

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-638595 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 2:1 | SHEET 1 OF 10 | REV BA3

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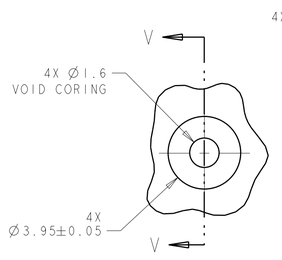
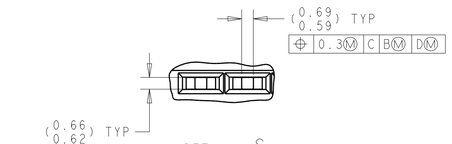
# APPLICABLE HEADER INTERFACE SPECIFICATION

SHOWN WITH KEYING OPTION K1
SCALE 3:1

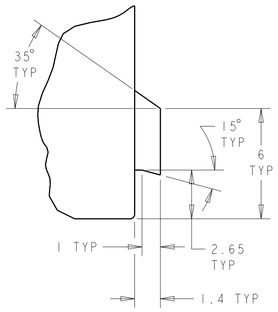



DETAIL W
SCALE 6:1

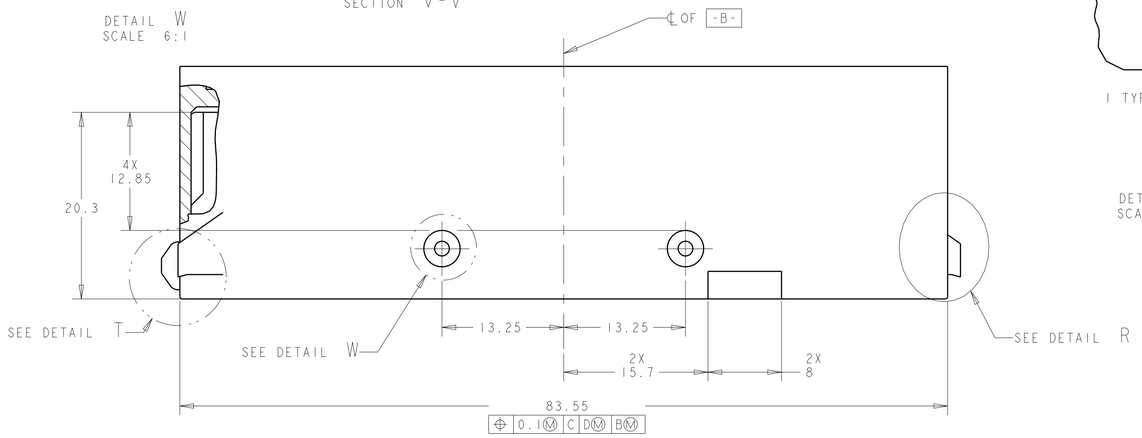
SECTION V-V

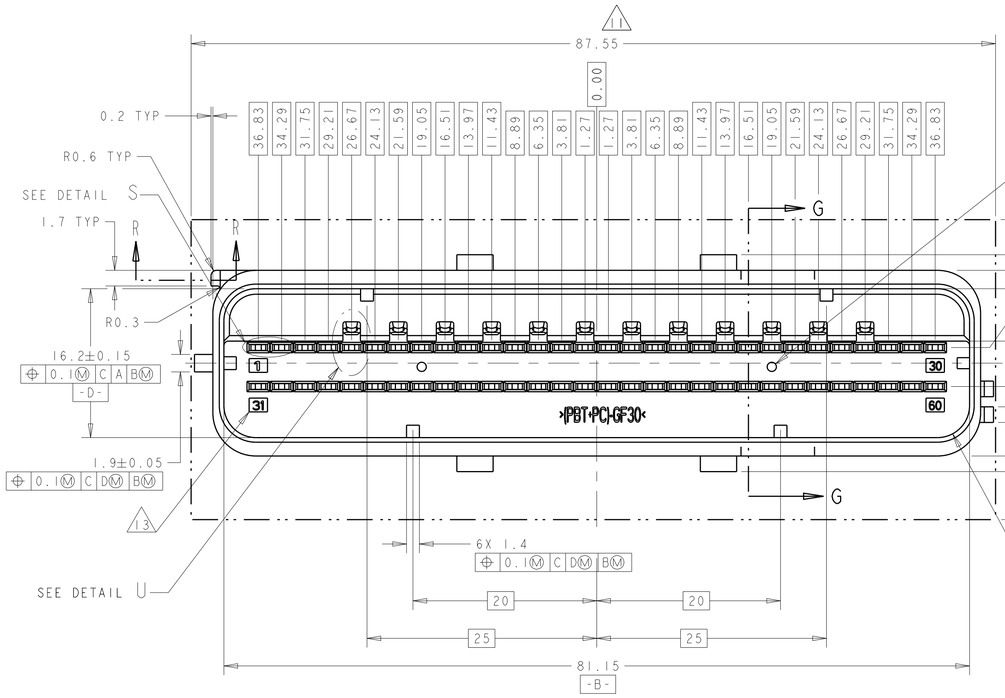


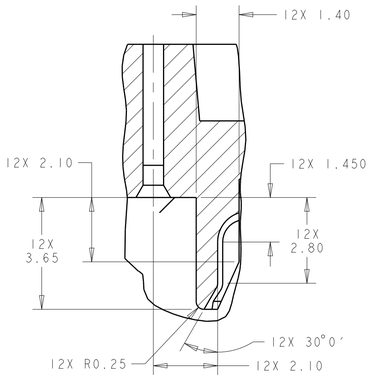

DETAIL S
SCALE 6:1



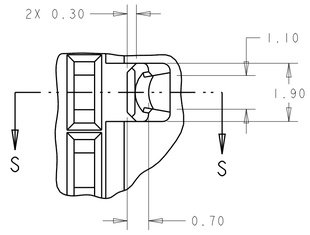

DETAIL R
SCALE 6:1



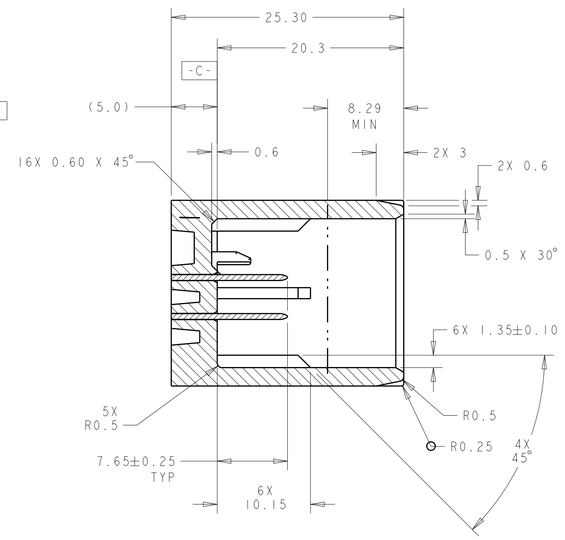



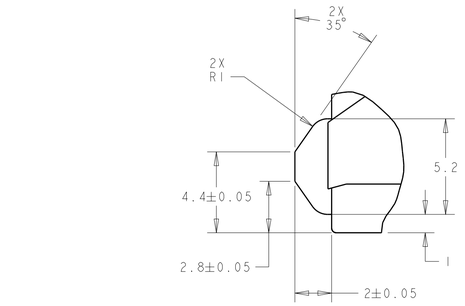

SECTION S-S



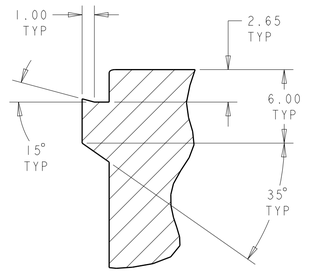

DETAIL U
ROTATED 90° CLOCKWISE
SCALE 10:1



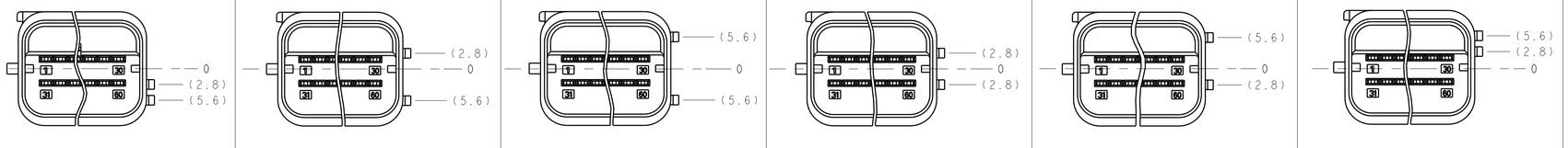

SECTION G-G




DETAIL T
SCALE 6:1




SECTION R-R
SCALE 4:1




KEYING ARRANGEMENTS FOR HEADER INTERFACE

## REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |

NOTE(S): UNLESS OTHERWISE SPECIFIED

1. PART MUST CONFORM TO THE LATEST LEVEL OF USCAR DATED 951010.
2. ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER PACKAGE SIZE PERMITS.
3. GENERAL TOLERANCES: ±0.2 ALL ONE PLACE DIMENSIONS, ±0.1 ALL TWO PLACE DIMENSIONS, ±2° ALL ANGULAR PLACE DIMENSIONS
4. ALL RADIUS ±0.5.
5. PIN PLATING DETAILS . . .
6. (SEALED INTERFACES ONLY) SEALING SURFACE MUST BE SMOOTH AND FREE OF PARTING LINES.
7. PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, SALT RESIDUE OR OTHER IMPERFECTIONS THAT MAY AFFECT FUNCTION OR FIT OF PART.
8. DRAFT ANGLE PERMISSIBLE ONLY WITHIN PRINT TOLERANCE.
9. SEALING SURFACE, NO WITNESS LINES OR DAMAGE PERMITTED.
10. VENT HOLE SIZE AND LOCATION OPTIONAL.
11. THIS AREA TO REMAIN CLEAR FOR HARNESS ASSEMBLY.
12. HOUSING MATERIAL SELECTION BASED ON PERFORMANCE REQUIRED FOR END APPLICATION AND SOLDERING PROCESS.
POLYESTER (PBT) - 30% GLASS TESTED TO USCAR2, REV 3, CLASS 2, MAX. AMBIENT 100 DEGREE C.
13. CIRCUIT NUMBERS 1,0 HIGH CHARACTERS RAISED 0.05 - 0.1 IN A 0.10 TO 0.15 RECESSED AREA.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE CALLOUT

FINISH - SEE CALLOUT

DWN J.R.SHUEY 31MAR2000
CHK V.KANE 31MAR2000
APVD J.M.MYER 31MAR2000
PRODUCT SPEC -
APPLICATION SPEC 114-13060
WEIGHT -

TE Connectivity

NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION)

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-638595 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 2:1 | SHEET 2 OF 10 | REV BA3

4805 (3/13)

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REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |

| GM PART NUMBER | SLIDE COLOR | CIRCUIT ARRANGEMENT (SEE TABLE ON SH 5 & 6) | KEYING ARRANGEMENT (SEE TABLE ON SHEET 5) | PART NUMBER |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

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REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |

| GM PART NUMBER | SLIDE COLOR | CIRCUIT ARRANGEMENT (SEE TABLE ON SH 5 & 6) | KEYING ARRANGEMENT (SEE TABLE ON SHEET 5) | PART NUMBER |
|---|---|---|---|---|
| 13577852 | BLACK | C134 | K5 | 3-1924558-7 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 13502172 | BLACK | C130 | K3 | 2-1924558-2 |
| 13502171 | BLACK | C120 | K3 | 2-1924558-1 |
| 13502170 | BLACK | C42 | K6 | 2-1924558-0 |
| 13502169 | BLACK | C91 | K6 | 1-1924558-9 |
| 19206496 | BLACK | C125 | K4 | 1-1924558-8 |
| 19206495 | BLACK | C126 | K2 | 1-1924558-7 |
| 19206494 | BLACK | C125 | K1 | 1-1924558-6 |
| 19206493 | BLACK | C124 | K3 | 1-1924558-5 |
| 19206492 | BLACK | C123 | K3 | 1-1924558-4 |
| | | | | |
| | | | | |
| | | | | |
| 19206488 | BLACK | C46 | K3 | 1-1924558-0 |
| | | | | |
| 19152767 | BLACK | C37 | K2 | 1924558-8 |
| 19180411 | BLACK | C22 | K3 | 1924558-7 |
| | | | | |
| 19179682 | BLACK | C22 | K6 | 1924558-5 |
| | | | | |
| | | | | |
| 19179684 | BLACK | C29 | K5 | 1924558-2 |
| 19179685 | BLACK | C28 | K2 | 1924558-1 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE CALLOUT

FINISH - SEE CALLOUT

DWN J.R.SHUEY 31MAR2000
CHK V.KANE 31MAR2000
APVD I.M.MYER 31MAR2000
PRODUCT SPEC -
APPLICATION SPEC 114-13060
WEIGHT -

TE Connectivity

NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION)

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-638595 | - |

CUSTOMER DRAWING | SCALE 2:1 | SHEET 4 OF 10 | REV DA3

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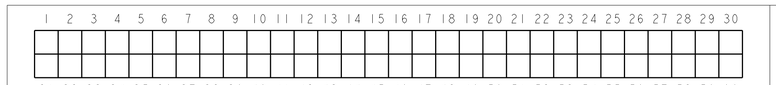
REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |

SERVICE PART
NOT INTENDED FOR PRODUCTION USE

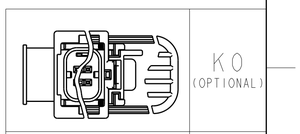
| | | | |
|---|---|---|---|
| | | | |
| | | | |
| 9 BLACK | C3 | K0 | 8-184464-7 |
| SLIDE COLOR | CIRCUIT ARRANGEMENT (SEE TABLE ON SHEET 4) | KEYING ARRANGEMENT (SEE TABLE ON SHEET 4) | PART NUMBER |

SERVICE PART
NOT INTENDED FOR PRODUCTION USE




CIRCUIT ARRANGEMENT

X INDICATES UNAVAILABLE (BLOCKED) CIRCUIT




KEYING ARRANGEMENT
( ■ INDICATES PRESENCE OF KEYWAY OR ABSENCE OF KEY )

| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN J.R.SHUEY 31MAR2000 | TE Connectivity |
| DIMENSIONS: mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.5 2 PLC ±0.20 3 PLC ±- 4 PLC ±- ANGLES ±- | CHK V.KANE 31MAR2000 | NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION) |
| | | APVD J.M.MYER 31MAR2000 | |
| | | PRODUCT SPEC - | |
| | | APPLICATION SPEC 114-13060 | SIZE A1 / CAGE CODE 00779 / DRAWING NO C-638595 / RESTRICTED TO - |
| MATERIAL - SEE CALLOUT | FINISH - SEE CALLOUT | WEIGHT - | |
| | | CUSTOMER DRAWING | SCALE 2:1 / SHEET 5 OF 10 / REV BA3 |

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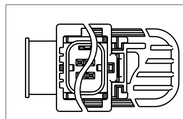
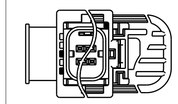
REVISIONS

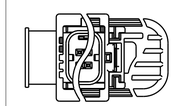
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |



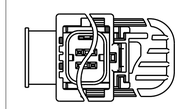
K99



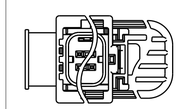
K7



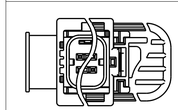
K6



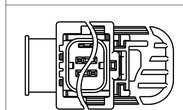
K5



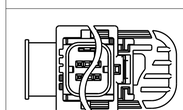
K4



K3



K2



K1

KEYING ARRANGEMENT
( ▨ INDICATES PRESENCE OF KEYWAY OR ABSENCE OF KEY )

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE CALLOUT

FINISH - SEE CALLOUT

DWN J.R.SHUEY 31MAR2000
CHK V.KANE 31MAR2000
APVD J.M.MYER 31MAR2000
PRODUCT SPEC -
APPLICATION SPEC 114-13060
WEIGHT -

TE Connectivity

NAME
ASSEMBLY, FEMALE,
60 WAY GET SDM CONNECTOR
(SHUNTLESS VERSION)

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-638595 | - |

CUSTOMER DRAWING | SCALE 2:1 | SHEET 6 OF 10 | REV BA3

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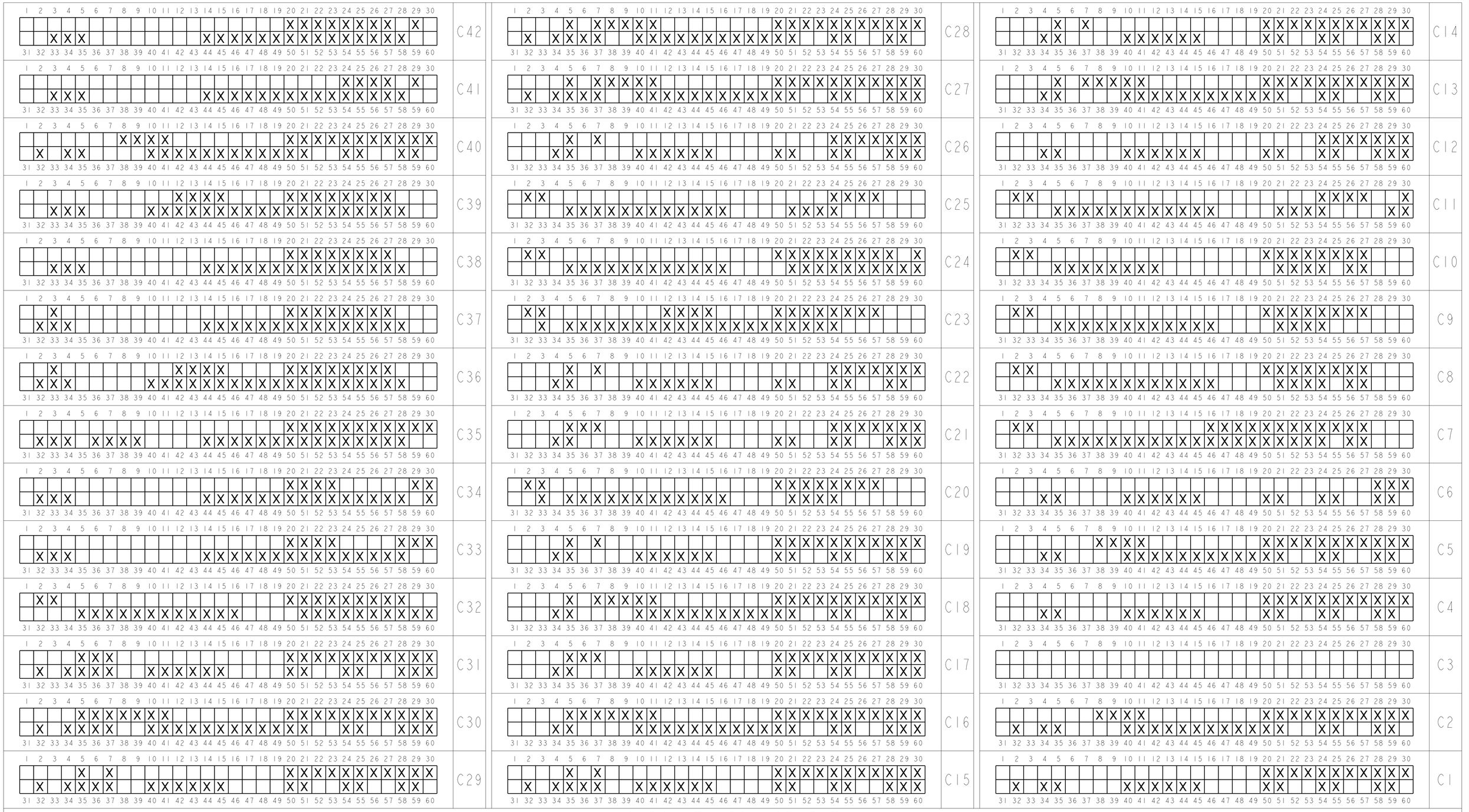
REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |




# CIRCUIT ARRANGEMENT

X INDICATES UNAVAILABLE (BLOCKED) CIRCUIT

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±0.5
2 PLC ±0.20
3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE CALLOUT

FINISH - SEE CALLOUT

DWN J.R.SHUEY 31MAR2000
CHK V.KANE 31MAR2000
APVD J.M.MYER 31MAR2000
PRODUCT SPEC -
APPLICATION SPEC 114-13060
WEIGHT -

TE Connectivity

NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION)

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-638595 | - |

CUSTOMER DRAWING | SCALE 2:1 | SHEET 7 OF 10 | REV BA3

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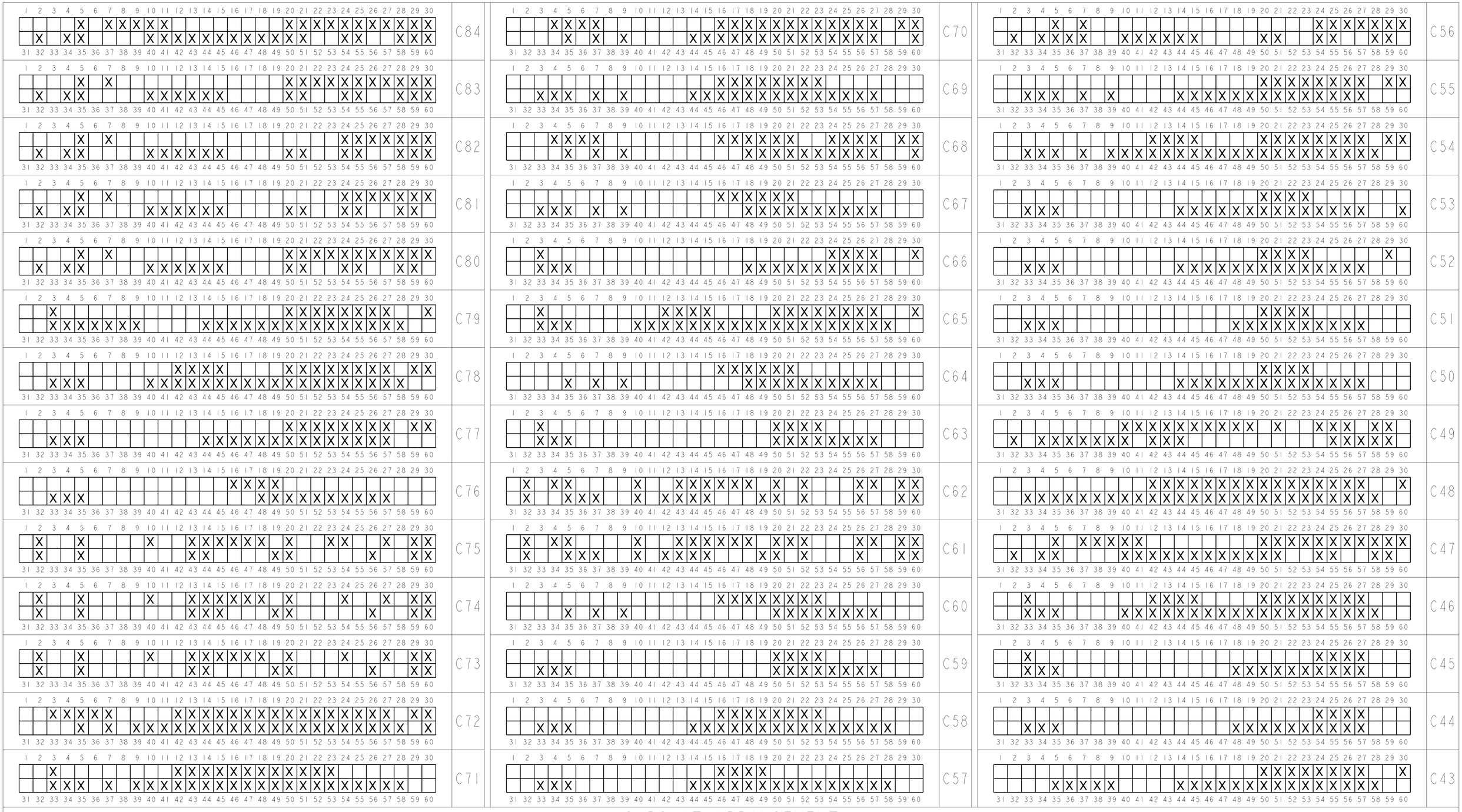
REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |




## CIRCUIT ARRANGEMENT

X INDICATES UNAVAILABLE (BLOCKED) CIRCUIT

| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | DWN J.R.SHUEY 31MAR2000 | TE Connectivity | |
| DIMENSIONS: mm | CHK V.KANE 31MAR2000 | NAME ASSEMBLY, FEMALE, 60 WAY GET SDM CONNECTOR (SHUNTLESS VERSION) | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.5 2 PLC ±0.20 3 PLC ±- 4 PLC ±- ANGLES ±- | APVD J.M.MYER | PRODUCT SPEC - | |
| | | APPLICATION SPEC 114-13060 | |
| MATERIAL - SEE CALLOUT | FINISH - SEE CALLOUT | WEIGHT - | SIZE A1 / CAGE CODE 00779 / DRAWING NO C-638595 / RESTRICTED TO - |
| | | CUSTOMER DRAWING | SCALE 2:1 / SHEET 8 OF 10 / REV BA3 |

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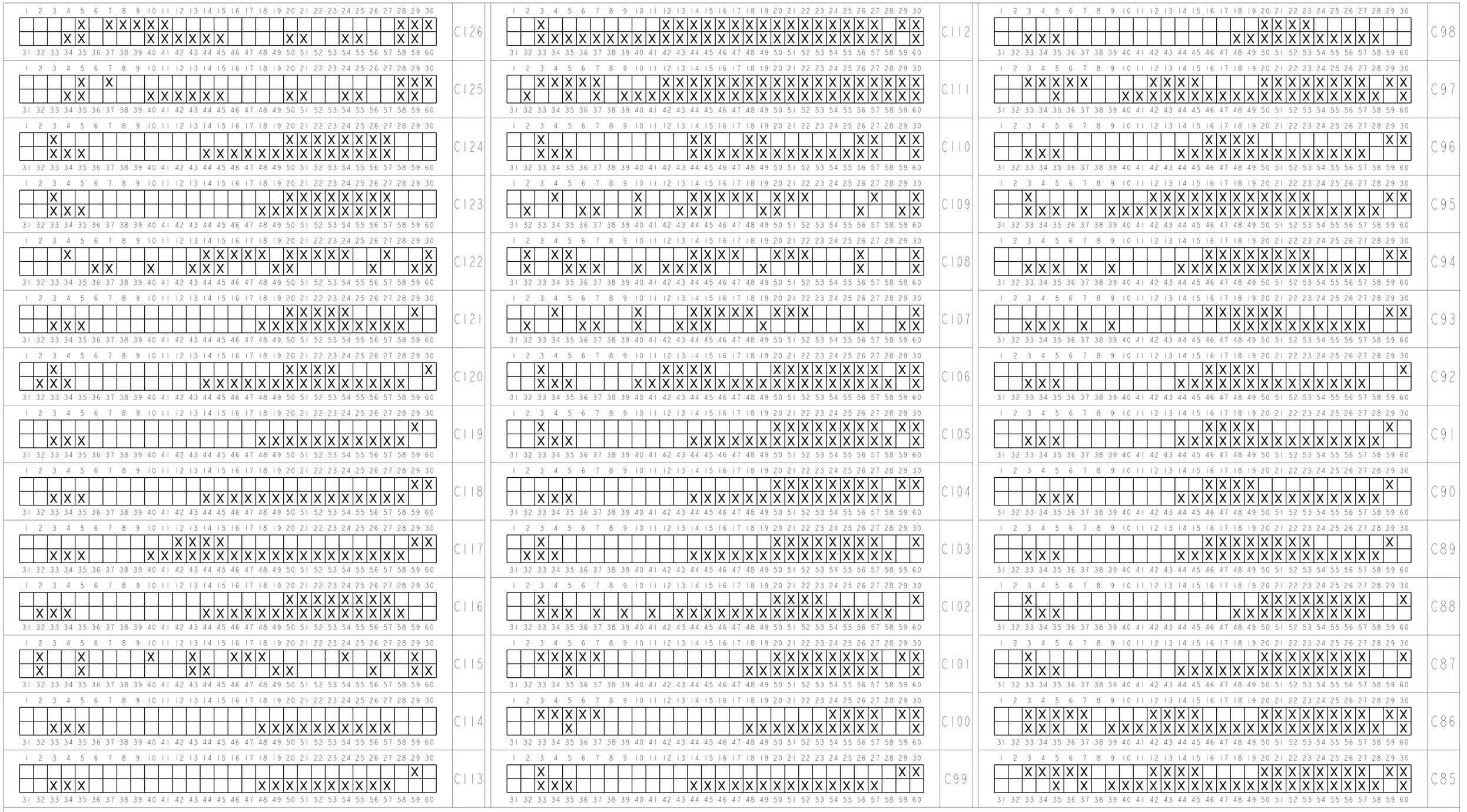
REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |




# CIRCUIT ARRANGEMENT

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| | APPLICATION SPEC 114-13060 | SIZE A1 / CAGE CODE 00779 / DRAWING NO C-638595 | RESTRICTED TO - |
| MATERIAL - SEE CALLOUT | WEIGHT - | | |
| FINISH - SEE CALLOUT | CUSTOMER DRAWING | SCALE 2:1 / SHEET 9 OF 10 | REV BA3 |

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REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | - | SEE SHEET 1 | - | - | - |

| | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 | |
|---|---|---|
| C134 | X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X | 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 |
| C132 | X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X | 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 |
| C131 | X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X | 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 |
| C130 | X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X | 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 |
| C129 | X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X | 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 |
| C128 | X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X | 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 |
| C127 | X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X | 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 |

## CIRCUIT ARRANGEMENT

[X] INDICATES UNAVAILABLE (BLOCKED) CIRCUIT

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
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3 PLC ±-
4 PLC ±-
ANGLES ±-

MATERIAL - SEE CALLOUT

FINISH - SEE CALLOUT

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CUSTOMER DRAWING | SCALE 2:1 | SHEET 10 OF 10 | REV BA3

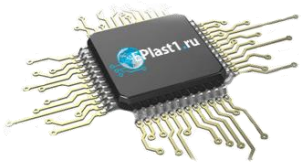
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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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**Электронная почта:** org@eplast1.ru
**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.