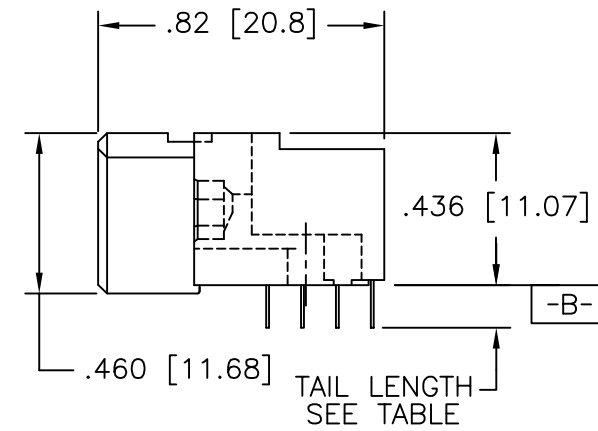
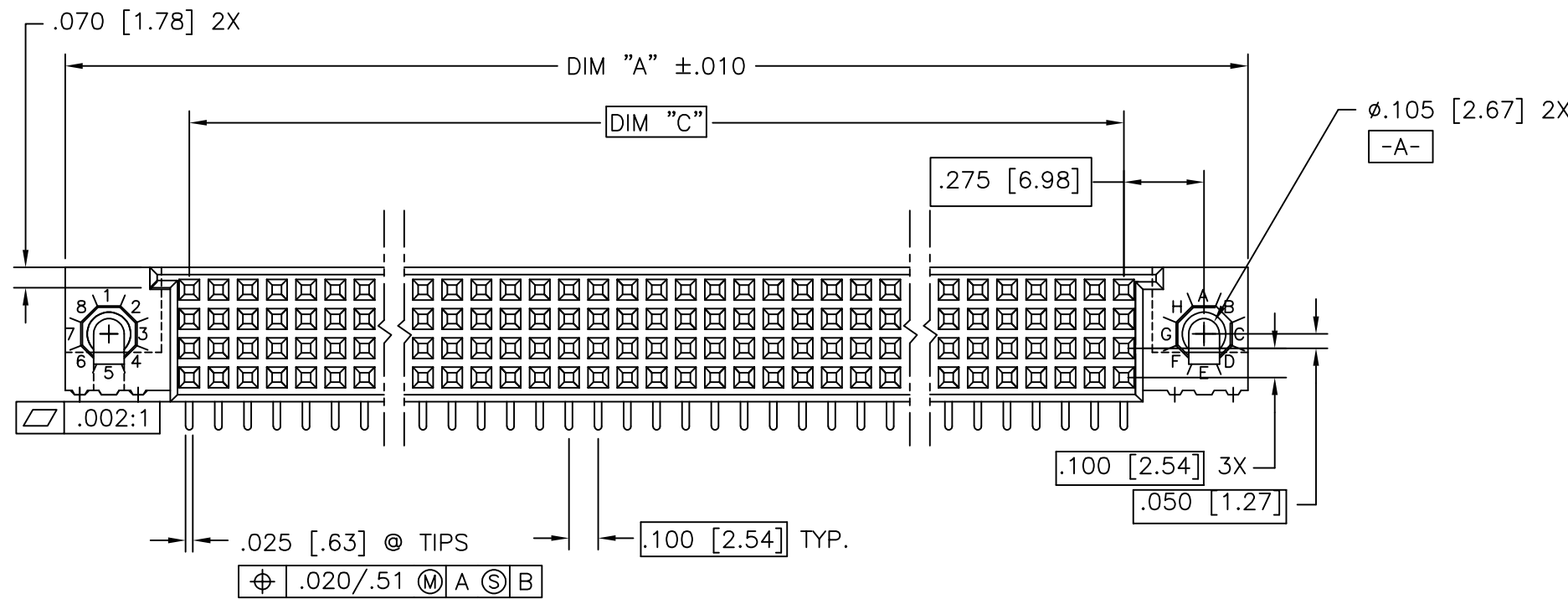
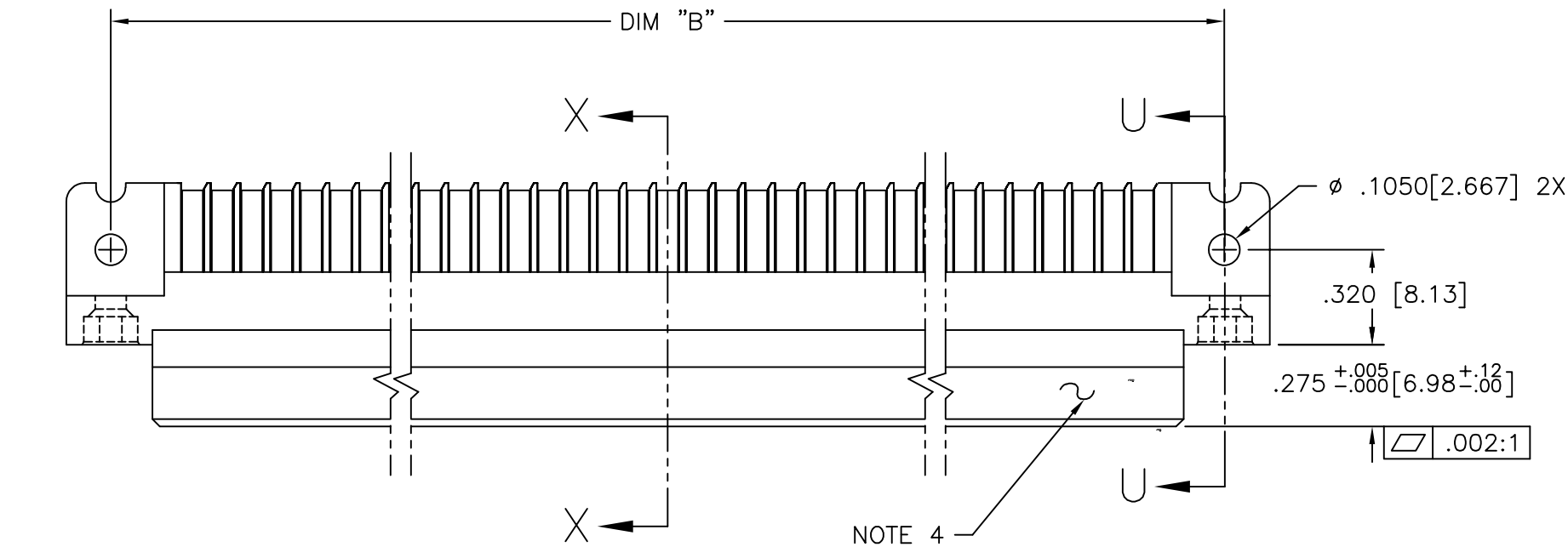
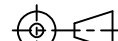
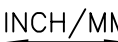


PRODUCT NUMBER  
SEE TABLE



|                       |             |          |            |                                       |             |                   |                                  |            |  |                                                                                                     |                               |  |                       |                                                                    |  |  |                          |  |  |  |      |  |  |  |  |  |  |  |
|-----------------------|-------------|----------|------------|---------------------------------------|-------------|-------------------|----------------------------------|------------|--|-----------------------------------------------------------------------------------------------------|-------------------------------|--|-----------------------|--------------------------------------------------------------------|--|--|--------------------------|--|--|--|------|--|--|--|--|--|--|--|
| mat'l. code<br>NOTE 3 |             |          |            | surface<br>ISO 1302 ✓                 |             |                   | tolerance<br>ISO 406<br>ISO 1101 |            |  | projection<br> |                               |  | product family<br>HPC |                                                                    |  |  |                          |  |  |  |      |  |  |  |  |  |  |  |
| ltr                   | ecn no      | dr       | date       | tolerances unless otherwise specified |             |                   |                                  |            |  |                                                                                                     |                               |  |                       | title<br><br>4 ROW R/A RECEPTACLE<br>GENERIC, MOUNT, S.T.B. 0 G.P. |  |  |                          |  |  |  |      |  |  |  |  |  |  |  |
| Y                     | I12-0005    | SAL      | 2012-01-09 | angles                                | linear      | .XX±.01/X±0.3     |                                  |            |  |                |                               |  |                       |                                                                    |  |  |                          |  |  |  |      |  |  |  |  |  |  |  |
| AA                    | ELX-I-31133 | MJA      | 2018-09-01 |                                       |             | .XXX±.005/XX±0.13 |                                  |            |  |                                                                                                     |                               |  |                       |                                                                    |  |  |                          |  |  |  |      |  |  |  |  |  |  |  |
| -                     | -           | -        | -          |                                       |             | 0°±2'             |                                  |            |  |                                                                                                     |                               |  | scale 1:1             |                                                                    |  |  |                          |  |  |  |      |  |  |  |  |  |  |  |
| U                     | M06-0255    | MHT      | 7/06/06    | dr                                    | D.SHEAFFER  |                   |                                  | 1992-08-27 |  |                                                                                                     | <b>Amphenol</b><br><b>FCi</b> |  |                       | dwg no                                                             |  |  | sheet 1 of 5             |  |  |  | size |  |  |  |  |  |  |  |
| V                     | M06-0476    | MHT      | 12/05/06   | enr                                   | S.CLARK     |                   |                                  | 1992-09-30 |  |                                                                                                     |                               |  |                       | 50576                                                              |  |  | A3                       |  |  |  |      |  |  |  |  |  |  |  |
| W                     | M07-0237    | AGS      | 7/17/07    | chr                                   | M. JACOB    |                   |                                  | 2018-09-01 |  |                                                                                                     |                               |  |                       | type                                                               |  |  | Product Customer Drawing |  |  |  |      |  |  |  |  |  |  |  |
| X                     | M08-0308    | MHT      | 10/23/08   | appd                                  | BIJU K PAUL |                   |                                  | 2018-09-01 |  |                                                                                                     |                               |  |                       |                                                                    |  |  |                          |  |  |  |      |  |  |  |  |  |  |  |
| sheet                 |             | revision |            | AA                                    | AA          | Y                 | Y                                | A          |  |                                                                                                     |                               |  |                       |                                                                    |  |  |                          |  |  |  |      |  |  |  |  |  |  |  |
| index                 |             | sheet    |            | 1                                     | 2           | 3                 | 4                                | 5          |  |                                                                                                     |                               |  |                       |                                                                    |  |  |                          |  |  |  |      |  |  |  |  |  |  |  |

| PRODUCT NUMBER | NUMBER OF POSITIONS, NOTE 2 | TAIL LENGTH        | SOLDER TAIL PLATING | CONTACT AREA PLATING (NOTE 8) |
|----------------|-----------------------------|--------------------|---------------------|-------------------------------|
| 50576-1YYYYE   | YYY                         | .125±.010/3.18±.25 | TIN-LEAD            | 30u"/.76u GOLD                |
| 50576-1YYYELF  | YYY                         | .125±.010/3.18±.25 | TIN                 | 30u"/.76u GXT                 |
| 50576-1YYYYF   | YYY                         | .145±.010/3.68±.25 | TIN-LEAD            | 30u"/.76u GOLD                |
| 50576-1YYYYH   | YYY                         | .180±.010/4.57±.25 | TIN-LEAD            | 30u"/.76u GOLD                |
| 50576-3YYYYE   | YYY                         | .125±.010/3.18±.25 | TIN-LEAD            | 50u"/1.27u GOLD               |
| 50576-3YYYYF   | YYY                         | .145±.010/3.68±.25 | TIN-LEAD            | 50u"/1.27u GOLD               |
| 50576-3YYYYH   | YYY                         | .180±.010/4.57±.25 | TIN-LEAD            | 50u"/1.27u GOLD               |
| 50576-5YYYYE   | YYY                         | .125±.010/3.18±.25 | TIN-LEAD            | 30u"/.76u GXT                 |
| 50576-5YYYELF  | YYY                         | .125±.010/3.18±.25 | TIN                 | 30u"/.76u GXT                 |
| 50576-5YYYYF   | YYY                         | .145±.010/3.68±.25 | TIN-LEAD            | 30u"/.76u GXT                 |
| 50576-5YYYFLF  | YYY                         | .145±.010/3.68±.25 | TIN                 | 30u"/.76u GXT                 |
| 50576-5YYYYH   | YYY                         | .180±.010/4.57±.25 | TIN-LEAD            | 30u"/.76u GXT                 |
| 50576-5YYYHLF  | YYY                         | .180±.010/4.57±.25 | TIN                 | 30u"/.76u GXT                 |
| 50576-XX004    | 100                         | .125±.010/3.18±.25 | TIN-LEAD            | 30u"/.76u GXT                 |
| 50576-XX004LF  | 100                         | .125±.010/3.18±.25 | TIN                 | 30u"/.76u GXT                 |
| 50576-XX008    | 80                          | .125±.010/3.18±.25 | TIN-LEAD            | 30u"/.76u GOLD                |
| 50576-XX008LF  | 80                          | .125±.010/3.18±.25 | TIN                 | 30u"/.76u GXT                 |
| 50576-XX009LF  | 80                          | .125±.010/3.18±.25 | TIN                 | 30u"/.76u GXT                 |

NOTES:

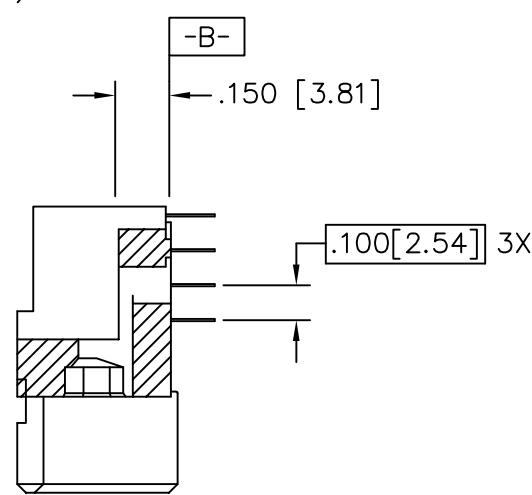
- ①. PRODUCT NUMBERING CODE:  
50576 - X YYY Z LF  
LEAD FREE (OPTIONAL)  
TAIL LENGTH (NOTE 5)  
NO. OF POSITIONS (NOTE 2)  
PLATING (NOTE 4)  
BASE NUMBER
- PRODUCT NUMBERING CODE FOR SELECT LOAD PART NUMBERS:  
50576 - XXYYY LF  
LEAD FREE (OPTIONAL)  
SEQUENCE NUMBER  
ALWAYS 'XX'  
BASE NUMBER
- 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. HOUSING MATERIAL: GLASS AND MINERAL FILLED  
HIGH TEMP. THERMOPLASTIC. FLAME RETARDANT  
PER UL94V-0. COLOR: BLACK.  
CONTACT MATERIAL: BeCu
- ④. MANUFACTURE'S NAME, PART NUMBER AND LOT CODE TO APPEAR ON THIS SURFACE PER BUS-12-108.
5. 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)
6. THIS PRODUCT (WITH 'LF' SUFFIX) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ⑦. FOR P/N 50576-3YYYYE (CUSTOMER ALCATEL) USE CONTACT PLATING 30μ"/0.76μ GXT
- ⑧. PLATING OPTIONS:  
MAYBE EITHER GOLD OR GXT PLATED AT MANUFACTURER CHOICE

NOTE 7 (CUSTOMER SPECIAL)

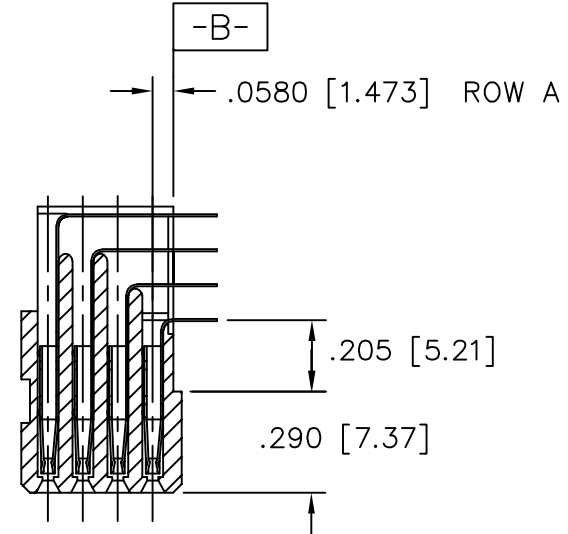
SEE SHEET 3

SEE SHEET 4

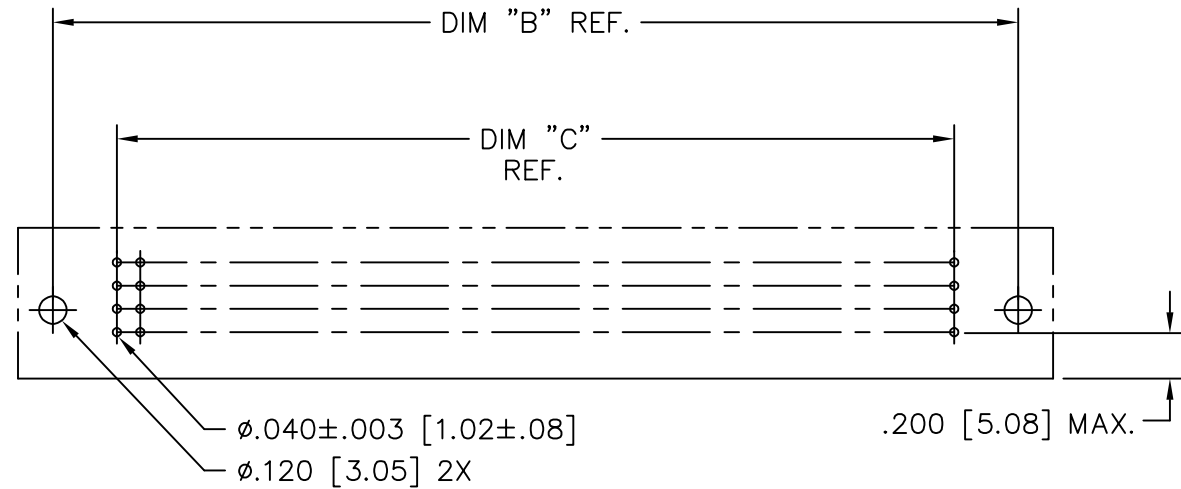
SEE SHEET 5



SECTION U-U



SECTION X-X



RECOMMENDED PCB LAYOUT  
(ALL HOLES LOCATED ON .100 [2.54] GRID  
UNLESS OTHERWISE SPECIFIED)

|                       |                |    |    |                       |                                       |                       |                                                                |        |  |                          |
|-----------------------|----------------|----|----|-----------------------|---------------------------------------|-----------------------|----------------------------------------------------------------|--------|--|--------------------------|
| mat'l. code<br>NOTE 3 |                |    |    | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101      | projection<br>INCH/MM | product family<br>HPC                                          |        |  |                          |
| ltr                   | ecn            | no | dr | date                  | tolerances unless otherwise specified | scale 1:1             | title<br>4 ROW R/A RECEPTACLE<br>GENERIC, MOUNT, S.T.B. 0 G.P. |        |  |                          |
| AA                    |                |    |    |                       | angles linear                         |                       |                                                                |        |  |                          |
|                       |                |    |    |                       | 0°±2°                                 |                       |                                                                |        |  |                          |
|                       |                |    |    |                       | dr D.SHEAFFER                         | 1992-08-27            | Amphenol<br>FCi                                                | dwg no |  | sheet 2 of 5             |
|                       |                |    |    |                       | enr S.CLARK                           | 1992-09-30            |                                                                | 50576  |  | A3                       |
|                       |                |    |    |                       | chr M. JACOB                          | 2018-09-01            |                                                                |        |  |                          |
|                       |                |    |    |                       | appd BIJU K PAUL                      | 2018-09-01            |                                                                | type   |  | Product Customer Drawing |
| sheet index           | revision sheet |    |    |                       |                                       |                       |                                                                |        |  |                          |





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|                |          |                     |      |                            |  |                              |  |
|----------------|----------|---------------------|------|----------------------------|--|------------------------------|--|
| PRODUCT NUMBER | ITEM KEY | SIGNAL DATA         |      |                            |  |                              |  |
|                |          | SIZE 4 x 20         |      | TOTAL NO. OF POSITIONS –80 |  | NO. OF POSITIONS LOADED – 60 |  |
|                |          | PLATING<br>(NOTE 8) | QTY. | R/A RECEPTACLE STYLE       |  |                              |  |
|                |          |                     |      | MATING LENGTH              |  | TAIL LENGTH                  |  |
| 50576–XX009LF  | A        | 30u”/.76u GXT       | 20   | N/A                        |  | .125 [3.18]                  |  |
|                | B        | 30u”/.76u GXT       | 20   | N/A                        |  | .125 [3.18]                  |  |
|                | C        | 30u”/.76u GXT       | 20   | N/A                        |  | .125 [3.18]                  |  |

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|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B | B |
| A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A | A |

D

C

B

A

TERM.  
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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.

|                       |        |                |      |                                       |  |                                  |  |                |  |                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------|--------|----------------|------|---------------------------------------|--|----------------------------------|--|----------------|--|-------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| mat'l. code<br>NOTE 3 |        |                |      | surface<br>ISO 1302 ✓                 |  | tolerance<br>ISO 406<br>ISO 1101 |  | projection<br> |  | product family<br>HPC         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ltr                   | ecn no | dr             | date | tolerances unless otherwise specified |  |                                  |  |                |  | title                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| A                     |        |                |      | angles                                |  | linear                           |  | INCH/MM        |  | 4 ROW R/A RECEPTACLE          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |        |                |      |                                       |  |                                  |  |                |  | GENERIC, MOUNT, S.T.B. 0 G.P. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |        |                |      | 0°±2°                                 |  |                                  |  | scale 1:1      |  | dwg no                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |        |                |      |                                       |  |                                  |  |                |  | sheet 5 of 5                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |        |                |      |                                       |  |                                  |  |                |  | size                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |        |                |      |                                       |  |                                  |  |                |  | A3                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |        |                |      |                                       |  |                                  |  |                |  | type                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                       |        |                |      |                                       |  |                                  |  |                |  | Product Customer Drawing      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| sheet index           |        | revision sheet |      |                                       |  |                                  |  |                |  |                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

form: A3

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PDS: Rev :AA

STATUS:Released

Printed: Oct 29, 2018