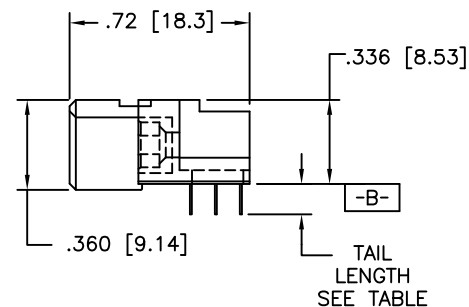
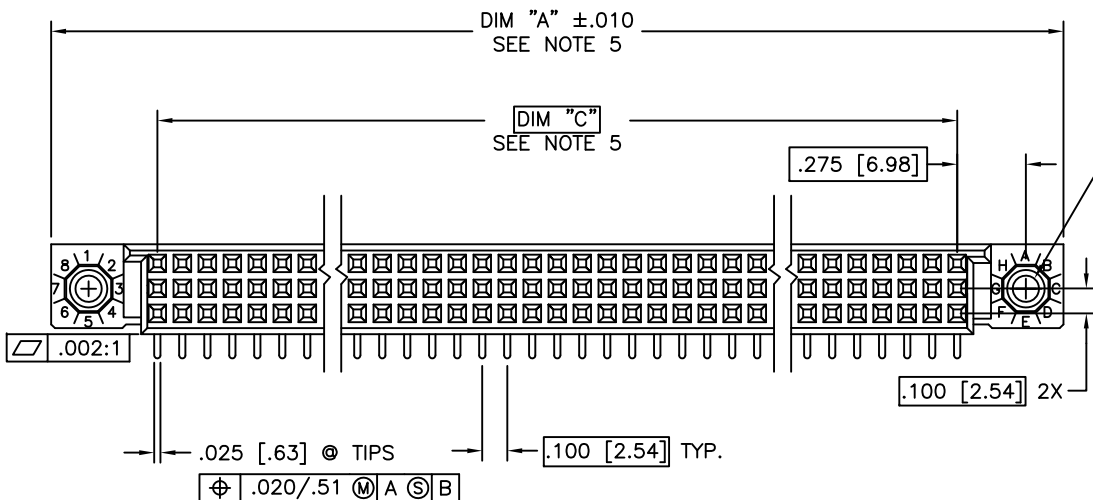
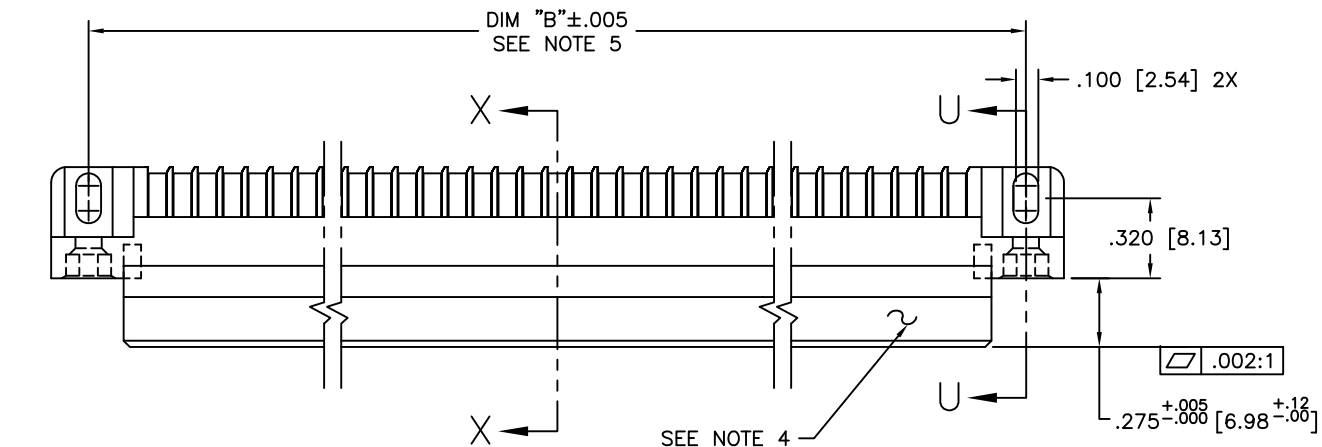


PRODUCT NUMBER

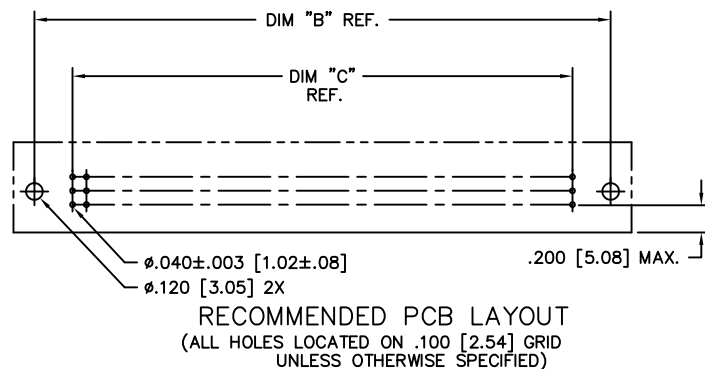
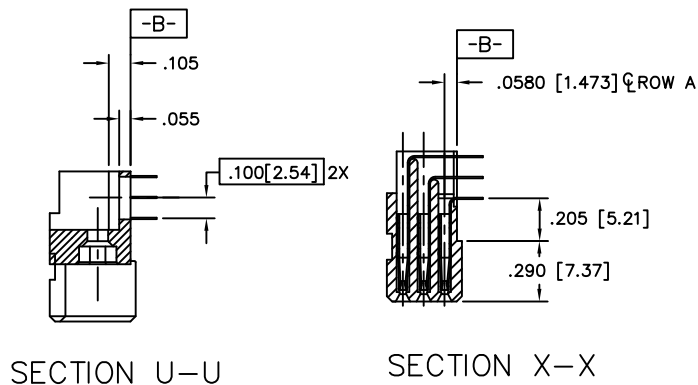
SEE NOTE 1



TAIL  
LENGTH  
SEE TABLE

|             |          |     |          |                                       |                     |            |                          |
|-------------|----------|-----|----------|---------------------------------------|---------------------|------------|--------------------------|
| mat'l. code |          |     |          | surface                               | tolerance           | projection | product family           |
| NOTE 3      |          |     |          | ISO 1802                              | ISO 406<br>ISO 1101 | INCH/MM    | HPC                      |
| ltr         | ecm no   | dr  | date     | tolerances unless otherwise specified |                     | scale      | title                    |
| L           | v00253   | JWS | 1/12/00  | angles                                | linear              | 1:1        | 3 ROW R/A RECEPTACLE     |
| M           | v03-0301 | TAB | 4/30/03  |                                       |                     |            | SOLDER TAIL, 0 GUIDE PIN |
| N           | v05-0700 | DAU | 8/25/05  | σ±2                                   |                     |            | dwg no                   |
| P           | M06-0255 | AEA | 7/06/06  | dr                                    | D. SHEAFFER         | 1/04/90    | sheet 1 of 4             |
| R           | M07-0331 | AGS | 7/18/07  | engr                                  | S. CLARK            | 1/04/90    | size                     |
| S           | M07-0183 | MHT | 7/22/08  | chr                                   | S. CLARK            | 1/04/90    | A3                       |
| T           | M08-0280 | AGS | 30/09/08 | appd                                  | S. CLARK            | 1/04/90    | type                     |
| sheet       | revision | T   | T        | T                                     | T                   |            | Product Customer Drawing |
| index       | sheet    | 1   | 2        | 3                                     | 4                   |            |                          |

PRODUCT NUMBER  
SEE TABLE



NOTES:

① PRODUCT NUMBERING CODE:  
50000 - X YYY Z LF  
LEAD FREE (OPTIONAL)  
TAIL LENGTH (SEE TABLE)  
NO. OF POSITIONS (SEE NOTE 2)  
PLATING (SEE TABLE)  
BASE NUMBER

PRODUCT NUMBERING CODE FOR  
SELECT LOAD PART NUMBERS:  
50000 - XYYYY 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 THERMOPLASTIC.  
FLAME RETARDANT PER UL94V-0. COLOR: BLACK  
CONTACT MATERIAL: BeCu
- ④ COMPANY NAME, PART NUMBER AND LOT CODE TO APPEAR ON THIS SURFACE PER BUS-12-108.
- ⑤ LENGTH FORMULAS:  
DIM A =  $.100/2.54 \times \text{NO. OF COLUMNS} + .75/19.1$   
DIM B =  $.100/2.54 \times \text{NO. OF COLUMNS} + .450/11.43$   
DIM C =  $.100/2.54 \times \text{NO. OF COLUMNS} - .100/2.54$
- ⑥ PRODUCT WITH "LF" SUFFIX MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
7. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ⑧ PLATING OPTION:  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.

|                       |          |       |      |                                       |                                                                                             |                       |                                                  |
|-----------------------|----------|-------|------|---------------------------------------|---------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------|
| mat'l. code<br>NOTE 3 |          |       |      | surface<br>ISO 1902                   | tolerance<br>ISO 406<br>ISO 1101                                                            | projection<br>INCH/MM | product family<br>HPC                            |
| ltr                   | ecr no   | dr    | date | tolerances unless otherwise specified |                                                                                             | INCH/MM               | title                                            |
| T                     |          |       |      | angles                                | linear                                                                                      |                       | 3 ROW R/A RECEPTACLE<br>SOLDER TAIL, 0 GUIDE PIN |
|                       |          |       |      | $\sigma \pm 2^\circ$                  | $.XX \pm .01/XX \pm .03$<br>$.XXX \pm .005/XXX \pm .013$<br>$.XXXX \pm .0020/XXXX \pm .005$ | scale 1:1             | dwg no                                           |
|                       |          |       |      | dr                                    | D. SHEAFFER 1/04/90                                                                         | FCI                   | sheet 2 of 4                                     |
|                       |          |       |      | engr                                  | S. CLARK 1/04/90                                                                            |                       | size                                             |
|                       |          |       |      | chr                                   | S. CLARK 1/04/90                                                                            |                       | A3                                               |
|                       |          |       |      | appd                                  | S. CLARK 1/04/90                                                                            | type                  | Product Customer Drawing                         |
| sheet index           | revision | sheet |      |                                       |                                                                                             |                       |                                                  |

| PRODUCT NUMBER<br>NOTE 1 | NUMBER OF<br>POSITIONS<br>NOTE 2 | TAIL LENGTH         | SOLDER TAIL<br>PLATING | CONTACT<br>PLATING<br>(NOTE 8) |
|--------------------------|----------------------------------|---------------------|------------------------|--------------------------------|
| 50000-1YYYYE             | YYY                              | .125±.010/3.18±0.25 | TIN-LEAD               | 30u"/0.76um Au                 |
| 50000-1YYYELF            | YYY                              | .125±.010/3.18±0.25 | TIN                    | 30u"/0.76um Au                 |
| 50000-1YYYYF             | YYY                              | .145±.010/3.68±0.25 | TIN-LEAD               | 30u"/0.76um Au                 |
| 50000-1YYYYH             | YYY                              | .180±.010/4.57±0.25 | TIN-LEAD               | 30u"/0.76um Au                 |
| 50000-1YYYYZ             | YYY                              | .220±.010/5.59±0.25 | TIN-LEAD               | 30u"/0.76um Au                 |
| 50000-3YYYYE             | YYY                              | .125±.010/3.18±0.25 | TIN-LEAD               | 50u"/1.27um Au                 |
| 50000-3YYYYF             | YYY                              | .145±.010/3.68±0.25 | TIN-LEAD               | 50u"/1.27um Au                 |
| 50000-3YYYYH             | YYY                              | .180±.010/4.57±0.25 | TIN-LEAD               | 50u"/1.27um Au                 |
| 50000-3YYYYZ             | YYY                              | .220±.010/5.59±0.25 | TIN-LEAD               | 50u"/1.25um Au                 |
| 50000-5YYYYE             | YYY                              | .125±.010/3.18±0.25 | TIN-LEAD               | 30u"/0.76um GXT                |
| 50000-5YYYELF            | YYY                              | .125±.010/3.18±0.25 | TIN                    | 30u"/0.76um GXT                |
| 50000-5YYYYF             | YYY                              | .145±.010/3.68±0.25 | TIN-LEAD               | 30u"/0.76um GXT                |
| 50000-5YYYFLF            | YYY                              | .145±.010/3.68±0.25 | TIN                    | 30u"/0.76um GXT                |
| 50000-5YYYYH             | YYY                              | .180±.010/4.57±0.25 | TIN-LEAD               | 30u"/0.76um GXT                |
| 50000-5YYYHLF            | YYY                              | .180±.010/4.57±0.25 | TIN                    | 30u"/0.76um GXT                |
| 50000-5YYYYZ             | YYY                              | .220±.010/5.59±0.25 | TIN-LEAD               | 30u"/0.76um GXT                |
| 50000-5YYYZLF            | YYY                              | .220±.010/5.59±0.25 | TIN                    | 30u"/0.76um GXT                |

|                       |                |    |      |                                                         |             |                                  |  |                |  |                          |  |              |      |
|-----------------------|----------------|----|------|---------------------------------------------------------|-------------|----------------------------------|--|----------------|--|--------------------------|--|--------------|------|
| mat'l. code<br>NOTE 3 |                |    |      | surface<br>ISO 1802 <input checked="" type="checkbox"/> |             | tolerance<br>ISO 406<br>ISO 1101 |  | projection<br> |  | product family<br>HPC    |  |              |      |
| ltr                   | ecr no         | dr | date | tolerances unless otherwise specified                   |             |                                  |  |                |  | title                    |  |              |      |
| T                     |                |    |      | angles                                                  | linear      | .XX ±.01/.XX±0.3                 |  | INCH/MM        |  | 3 ROW R/A RECEPTACLE     |  |              |      |
|                       |                |    |      | 0°±2°                                                   |             | .XXX ±.005/.XXX±0.13             |  | scale 1:1      |  | SOLDER TAIL, 0 GUIDE PIN |  |              |      |
|                       |                |    |      | dr                                                      | D. SHEAFFER | 1/04/90                          |  |                |  | dwg no                   |  | sheet 3 of 4 | size |
|                       |                |    |      | engr                                                    | S. CLARK    | 1/04/90                          |  |                |  | 50000                    |  | A3           |      |
|                       |                |    |      | chr                                                     | S. CLARK    | 1/04/90                          |  |                |  |                          |  |              |      |
|                       |                |    |      | appd                                                    | S. CLARK    | 1/04/90                          |  |                |  |                          |  |              |      |
| sheet index           | revision sheet |    |      |                                                         |             |                                  |  |                |  |                          |  |              |      |

SEE TABLE

[illegible][illegible]

1. ALL POSITIONS ARE LOADED AS SHOWN.
2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL TERM. 1, AS VIEWED FROM THE MATING FACE.
3. SIGNAL DATA FOR 50000-XX001 OR 50000-XX001LF  
SIZE 3 X 55  
TOTAL NUMBER OF POSITIONS: 165  
TOTAL NUMBER OF POSITIONS LOADED: 107

| ITEM KEY | QTY. | TAIL LENGTH        |
|----------|------|--------------------|
| A        | 45   | .180±.010/4.57±.25 |
| B        | 17   | .180±.010/4.57±.25 |
| C        | 45   | .180±.010/4.57±.25 |

[illegible]