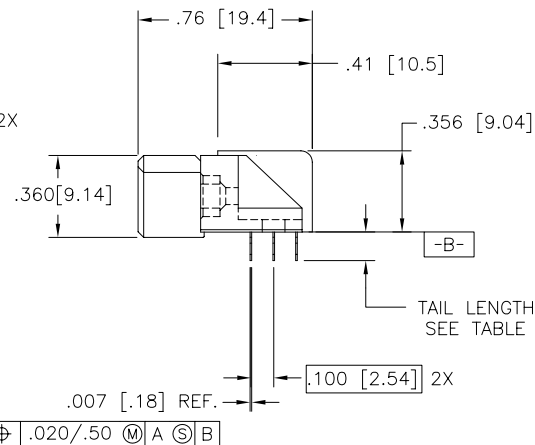
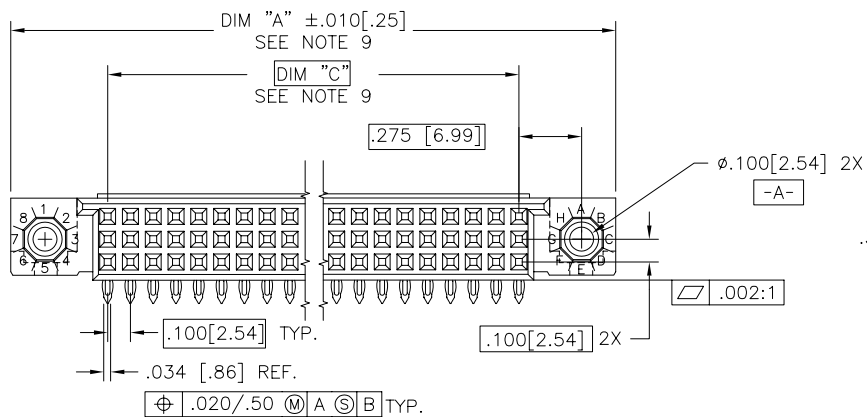
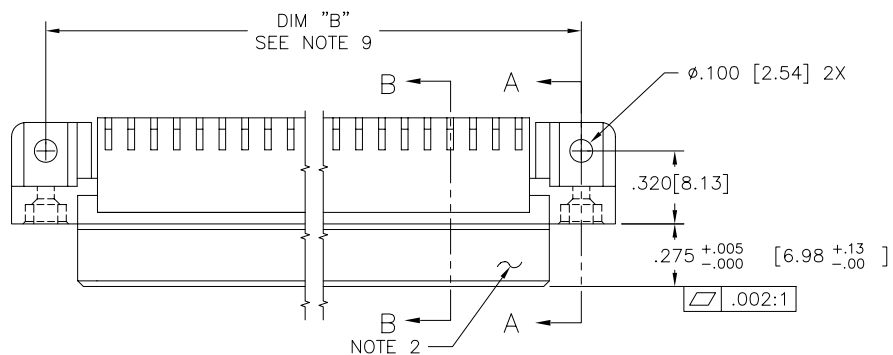




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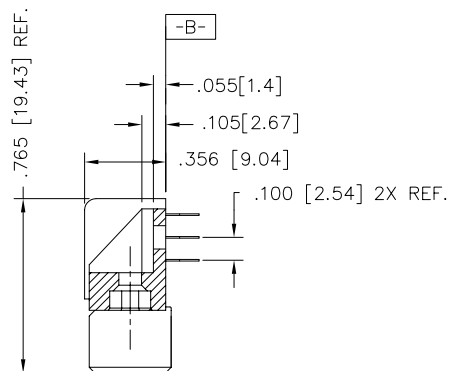
Copyright FCI

PRODUCT NUMBER  
SEE TABLE

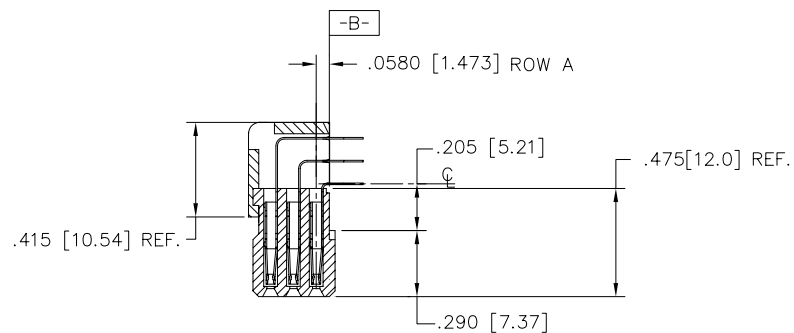
|                           |          |     |          |                       |                                       |                                  |                       |                          |  |  |
|---------------------------|----------|-----|----------|-----------------------|---------------------------------------|----------------------------------|-----------------------|--------------------------|--|--|
| mat'l. code<br>SEE NOTE 4 |          |     |          | surface<br>ISO 1302 ✓ |                                       | tolerance<br>ISO 406<br>ISO 1101 | projection<br>INCH/MM | product family<br>HPC    |  |  |
| ltr                       | ecm      | no  | dr       | date                  | tolerances unless otherwise specified |                                  |                       | title                    |  |  |
| K                         | V90001   | HTB | 2/15/99  |                       | angles                                | linear                           | .XX±.01/.3            | 3 ROW R/A RECEPT.        |  |  |
| L                         | V00268   | JWS | 1/31/00  |                       |                                       |                                  | .XXX±.005/.13         | PRESS FIT, 0 GUIDE PIN   |  |  |
| M                         | V10826   | JRW | 2/7/01   |                       | 0°±2'                                 |                                  | .XXX±.0020/.051       | scale 1:1                |  |  |
| N                         | V05-0511 | DAI | 8/15/05  | dr                    | G.PETERS                              | 6/19/93                          |                       | dwg no                   |  |  |
| P                         | V05-1054 | HTB | 11/17/05 | enr                   | S.CLARK                               | 6/19/93                          |                       | sheet 1 of 4             |  |  |
| R                         | M06-0255 | MHT | 7/06/06  | chr                   | S.CLARK                               | 6/19/93                          |                       | size                     |  |  |
| S                         | M07-0099 | AGS | 2/08/07  | appd                  | S.CLARK                               | 6/19/93                          |                       | A3                       |  |  |
| sheet                     | revision | S   | S        | S                     | S                                     | S                                |                       | type                     |  |  |
| index                     | sheet    | 1   | 2        | 3                     | 4                                     |                                  |                       | Product Customer Drawing |  |  |

form: A3

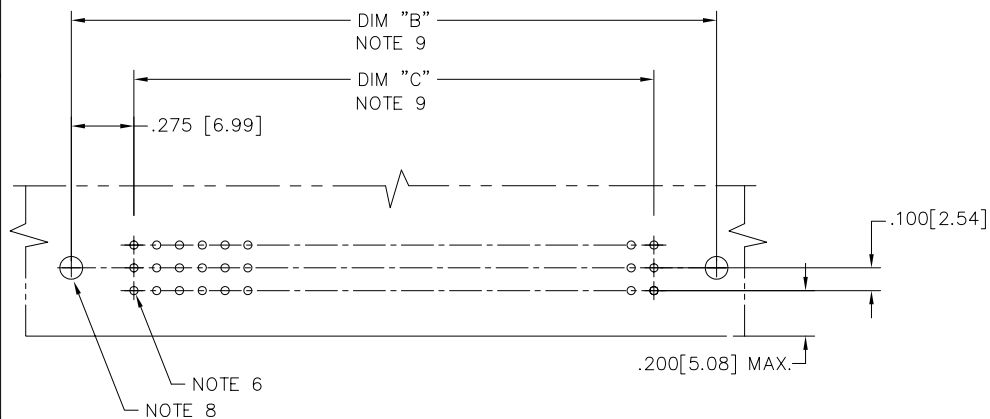
PRODUCT NUMBER  
SEE TABLE



SECTION A-A



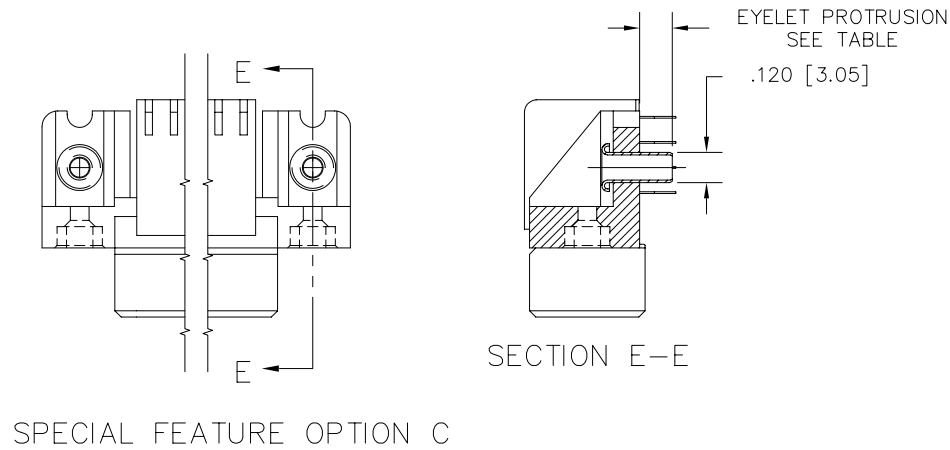
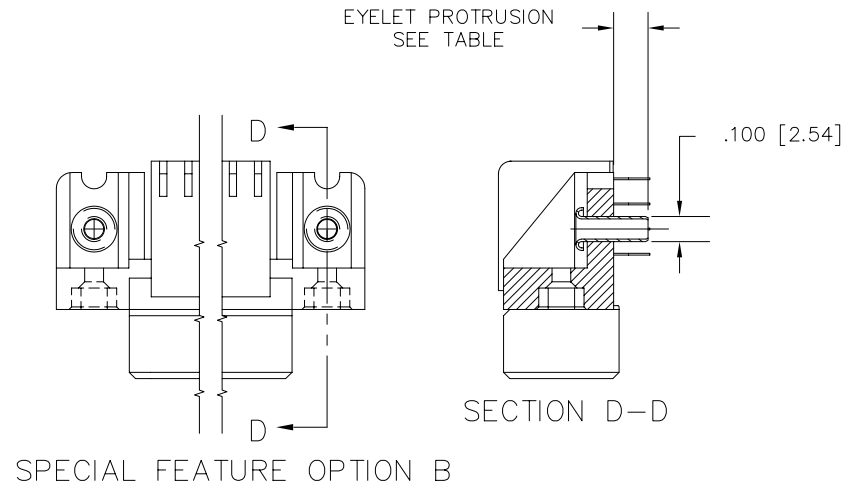
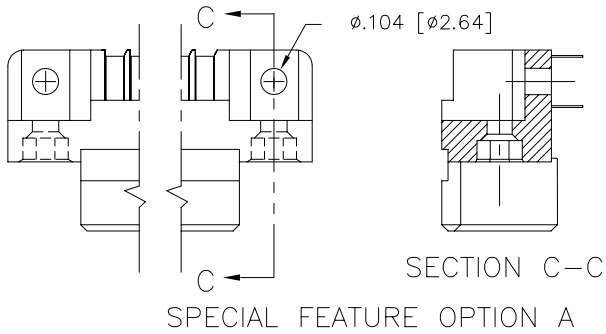
SECTION B-B



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

|                           |          |                       |                                  |                       |                                             |
|---------------------------|----------|-----------------------|----------------------------------|-----------------------|---------------------------------------------|
| mat'l. code<br>SEE NOTE 4 |          | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101 | projection<br>INCH/MM | product family<br>HPC                       |
| ltr                       | ecn      | no                    | dr                               | date                  | title                                       |
| S                         |          |                       |                                  |                       | 3 ROW R/A RECEPT.<br>PRESS FIT, 0 GUIDE PIN |
|                           |          |                       |                                  |                       | scale 1:1                                   |
|                           |          |                       |                                  |                       | dwg no                                      |
|                           |          |                       |                                  |                       | sheet 2 of 4                                |
|                           |          |                       |                                  |                       | size                                        |
|                           |          |                       |                                  |                       | A3                                          |
|                           |          |                       |                                  |                       | type                                        |
|                           |          |                       |                                  |                       | Product Customer Drawing                    |
| sheet                     | revision |                       |                                  |                       |                                             |
| index                     | sheet    |                       |                                  |                       |                                             |

PRODUCT NUMBER  
SEE TABLE

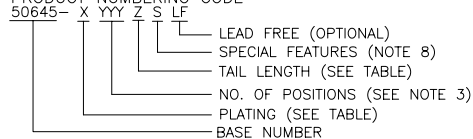


|                           |                |    |    |                       |                                       |                       |                               |
|---------------------------|----------------|----|----|-----------------------|---------------------------------------|-----------------------|-------------------------------|
| mat'l. code<br>SEE NOTE 4 |                |    |    | 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 |                       | title                         |
| S                         |                |    |    |                       | angles .XX±.01/.3                     |                       | 3 ROW R/A RECEPT.             |
|                           |                |    |    |                       | linear .XXX±.005/.13                  |                       | PRESS FIT, 0 GUIDE PIN        |
|                           |                |    |    |                       | 0°±2' .XXXX±.0020/.051                |                       | scale 1:1                     |
|                           |                |    |    |                       | dr G.PETERS 6/19/93                   |                       | dwg no                        |
|                           |                |    |    |                       | enr S.CLARK 6/19/93                   |                       | sheet 3 of 4                  |
|                           |                |    |    |                       | chr S.CLARK 6/19/93                   |                       | size A3                       |
|                           |                |    |    |                       | appd S.CLARK 6/19/93                  |                       | type Product Customer Drawing |
| sheet index               | revision sheet |    |    |                       |                                       |                       |                               |

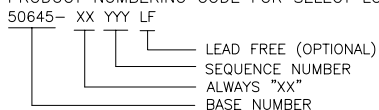
| PRODUCT NUMBER<br>NOTE 1 | NUMBER OF POSITIONS<br>NOTE 3 | TAIL LENGTH<br>±.010/0.25 | SPECIAL FEATURES<br>SEE NOTE 8 | SOLDER TAIL<br>PLATING | CONTACT PLATING | EYELET<br>PROTRUSION |
|--------------------------|-------------------------------|---------------------------|--------------------------------|------------------------|-----------------|----------------------|
| 50645-1YYYY              | YYY                           | .125/3.18                 | NONE                           | TIN-LEAD               | 30u"/.76u Au    | N/A                  |
| 50645-1YYYELF            | YYY                           | .125/3.18                 | NONE                           | TIN                    | 30u"/.76u GXT   | N/A                  |
| 50645-1YYYEA             | YYY                           | .125/3.18                 | "A"                            | TIN-LEAD               | 30u"/.76u Au    | N/A                  |
| 50645-1YYYEALF           | YYY                           | .125/3.18                 | "A"                            | TIN                    | 30u"/.76u GXT   | N/A                  |
| 50645-1YYYEB             | YYY                           | .125/3.18                 | "B"                            | TIN-LEAD               | 30u"/.76u Au    | .137/3.48            |
| 50645-1YYYEBLF           | YYY                           | .125/3.18                 | "B"                            | TIN                    | 30u"/.76u GXT   | .137/3.48            |
| 50645-1YYYEC             | YYY                           | .125/3.18                 | "C"                            | TIN-LEAD               | 30u"/.76u Au    | .115/2.92            |
| 50645-1YYYECLF           | YYY                           | .125/3.18                 | "C"                            | TIN                    | 30u"/.76u GXT   | .115/2.92            |
| 50645-1YYYY              | YYY                           | .145/3.68                 | NONE                           | TIN-LEAD               | 30u"/.76u Au    | N/A                  |
| 50645-1YYYYLF            | YYY                           | .145/3.68                 | NONE                           | TIN                    | 30u"/.76u GXT   | N/A                  |
| 50645-1YYYFA             | YYY                           | .145/3.68                 | "A"                            | TIN-LEAD               | 30u"/.76u Au    | N/A                  |
| 50645-1YYYFALF           | YYY                           | .145/3.68                 | "A"                            | TIN                    | 30u"/.76u GXT   | N/A                  |
| 50645-1YYYFC             | YYY                           | .145/3.68                 | "C"                            | TIN-LEAD               | 30u"/.76u Au    | .170/4.32            |
| 50645-1YYYFCLF           | YYY                           | .145/3.68                 | "C"                            | TIN                    | 30u"/.76u GXT   | .170/4.32            |

# NOTES:

## (1) PRODUCT NUMBERING CODE



## PRODUCT NUMBERING CODE FOR SELECT LOAD



(2) MANUFACTURE'S LOGO, PART NUMBER, AND LOT CODE TO APPEAR ON THIS SURFACE.

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

(4) MATERIAL: PRESS BLOCK - HIGH TEMP THERMOPLASTIC  
HOUSING: GLASS AND MINERAL FILLED HIGH TEMPERATURE THERMOPLASTIC, FLAME RETARDANT PER UL94V-0. COLOR-BLACK  
CONTACT: BeCu

5. PLATING:  
CONTACT AREA: 30μ"/0.76 μm Au OR 30μ"/0.76μm GXT (FOR LEAD-FREE OPTION)  
TAILS: EITHER TIN OR TIN LEAD, SEE TABLE.

(6) DRILLED HOLE DIA OF .0453±.0010 [1.151±0.025] FINISHED TO .0400±.0030 [1.016±0.076] BY PLATING SnPb OR OTHER PLATING .0003 [0.008] TO .0006 [0.015] THICK WITH A COPPER UNDERPLATE AS NEEDED.

7. INFORMATION DOCUMENT: FOR PCB STAY-AWAY ZONE, SEE TA-0954.

## (8) SPECIAL FEATURES:

- = IF NO SPECIAL FEATURE CODE IS SELECTED, CONNECTOR WILL APPEAR AS SHOWN. PCB MOUNTING HOLE DIMENSION TO BE  $\phi.120\pm.003$  [3.05±0.07]

"A" = IF SPECIFIED, CONNECTOR WILL APPEAR AS SHOWN ON SHEET 3. PCB MOUNTING HOLE DIMENSION TO BE  $\phi.100\pm.003$  [2.54±0.07].

"B" = IF SPECIFIED, CONNECTOR WILL HAVE PRE-INSTALLED EYELET FOR P.C.B. ATTACHMENT IN A  $\phi.100\pm.003$  [2.54±0.07] MOUNTING HOLE. SEE SHEET 3. (AVAILABLE IN "E" TAIL LENGTH. ONLY).

"C" = IF SPECIFIED, CONNECTOR WILL HAVE PRE-INSTALLED EYELET FOR P.C.B. ATTACHMENT IN A  $\phi.120\pm.003$  [3.05±0.07] MOUNTING HOLE. SEE SHEET 3.

(9) 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)

10. ALL POSITIONS ARE LOADED EXCEPT FOR -XXXXY ASSEMBLIES WHICH HAVE SELECTIVE LOADING.

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

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

|                           |     |                       |      |                                  |                                       |                       |                 |                          |                                             |
|---------------------------|-----|-----------------------|------|----------------------------------|---------------------------------------|-----------------------|-----------------|--------------------------|---------------------------------------------|
| mat'l. code<br>SEE NOTE 4 |     | 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 |                       | title           |                          |                                             |
| S                         |     |                       |      |                                  | angles                                | linear                | .XX±.01/.3      |                          | 3 ROW R/A RECEPT.<br>PRESS FIT, 0 GUIDE PIN |
|                           |     |                       |      |                                  | 0°±2'                                 |                       | .XXX±.005/.13   |                          |                                             |
|                           |     |                       |      |                                  |                                       |                       | .XXX±.0020/.051 |                          | scale 1:1                                   |
|                           |     |                       | dr   | G.PETERS                         | 6/19/93                               |                       |                 | dwg no                   |                                             |
|                           |     |                       | engr | S.CLARK                          | 6/19/93                               |                       |                 | sheet 4 of 4             |                                             |
|                           |     |                       | chr  | S.CLARK                          | 6/19/93                               |                       |                 | size                     |                                             |
|                           |     |                       | appd | S.CLARK                          | 6/19/93                               |                       |                 | A3                       |                                             |
| sheet                     |     | revision              |      |                                  |                                       |                       |                 | type                     |                                             |
| index                     |     | sheet                 |      |                                  |                                       |                       |                 | Product Customer Drawing |                                             |