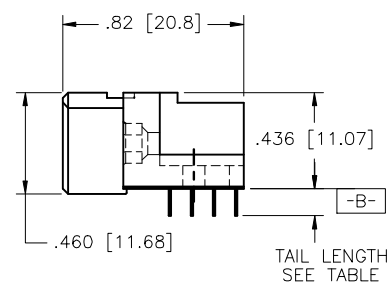
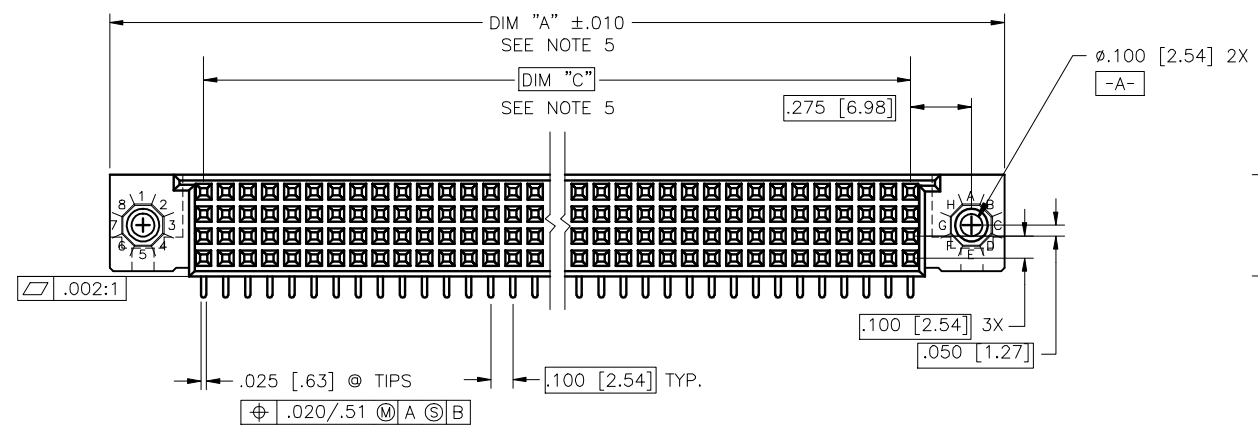
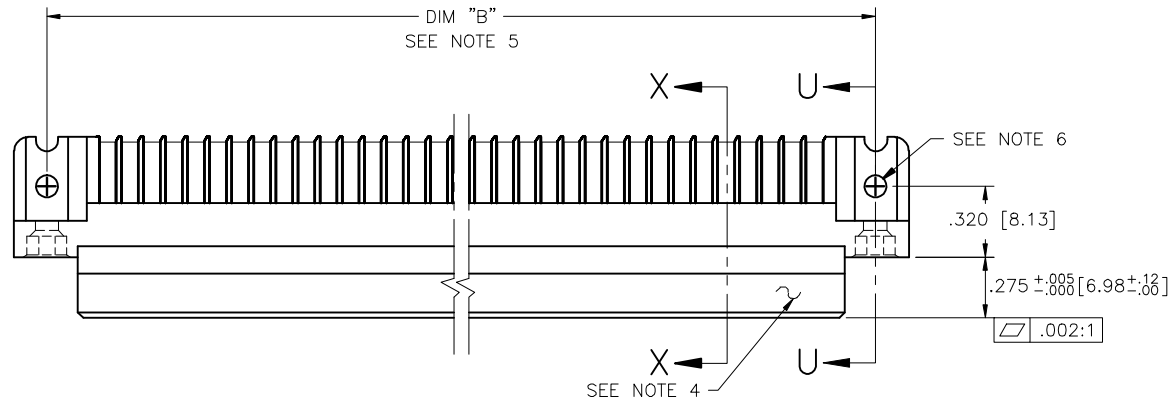


PRODUCT NUMBER  
SEE TABLE



|             |          |         |          |                                       |                      |            |                |
|-------------|----------|---------|----------|---------------------------------------|----------------------|------------|----------------|
| mat'l. code | NOTE 3   | surface | ISO 1302 | tolerance                             | ISO 406              | projection | product family |
| ltr         | ecp no   | dr      | date     | ISO 1101                              | ISO 1101             | INCH/MM    | HPC            |
| K           | V01354   | LSS     | 6/22/00  | tolerances unless otherwise specified |                      |            |                |
| L           | V03-0489 | HTB     | 5/2/03   | angles                                | .XX±.01/XX±0.3       |            |                |
| M           | V05-0207 | VS      | 3/2/05   | linear                                | .XXX±.005/XX±0.13    | scale 1:1  |                |
| N           | V05-1052 | HTB     | 12/7/05  | dr                                    | .XXX±.0020/XXX±0.051 |            |                |
| P           | M06-0283 | MHT     | 7/27/06  | engr                                  |                      |            |                |
| R           | M07-0099 | AGS     | 2/09/07  | chr                                   |                      |            |                |
| S           | M08-0280 | AGS     | 9/30/08  | appd                                  |                      |            |                |
| sheet       | revision | S       | S        | S                                     | S                    |            |                |
| index       | sheet    | 1       | 2        | 3                                     | 4                    | 5          |                |



title  
**4 ROW R/A RECEPTACLE**  
SOLDER TAIL, 0 GUIDE PIN

dwg no  
**50295**

sheet 1 of 5 size  
**A3**

type  
Product Customer Drawing

PRODUCT NUMBER  
SEE TABLE

NOTES:

- ① PRODUCT NUMBERING CODE:  
50295 - X YYY Z S LF

LEAD FREE (OPTIONAL)  
SPECIAL FEATURES (NOTE 6)  
TAIL LENGTH (SEE TABLE)  
NO. OF POSITIONS (NOTE 2)  
PLATING (SEE TABLE)  
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 & MINERAL FILLED HIGH-TEMP THERMOPLASTIC,  
FLAME RETARDANT PER UL94 V-0.  
CONTACT MATERIAL: BeCu

- ④ MANUFACTURE'S NAME, PART NUMBER AND LOT CODE TO  
APPEAR ON THIS SURFACE PER BUS-12-108.

- ⑤ LENGTH DIMENSION 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 SPECIAL FEATURES (SEE SHEET 3) AND TABLE.

- = IF CODE IS OMITTED FROM PRODUCT NUMBER: CONNECTOR  
IS PROVIDED AS SHOWN, NO SPECIAL FEATURES ARE  
SELECTED. FOR P.C.B. ATTACHEMENT IN A  $\phi.120[3.05]$  MOUNTING HOLE.

"A" = IF SPECIFIED, PRE-INSTALLED CLAW FOR P.C.B. ATTACHMENT  
IN A  $\phi.100[2.54]$  MOUNTING HOLE. AVAILABLE IN "E" TAIL LENGTH ONLY.

"B" = IF SPECIFIED, PRE-INSTALLED CLAW FOR P.C.B. ATTACHMENT  
IN A  $\phi.120[3.05]$  MOUNTING HOLE.

"C" = IF SPECIFIED, MOLDED GUIDE PINS WITH PRE-INSTALLED CLAW  
FOR P.C.B. ATTACHMENT IN A  $\phi.120[3.05]$  MOUNTING HOLE.

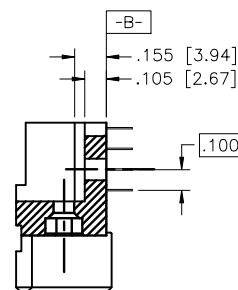
"D" = IF SPECIFIED, MOLDED GUIDE PINS WITH  $\phi.100[2.54]$  MOUNTING HOLE  
(NO CLAW).

- ⑦ CLAW DIMENSION DETERMINED BY P.C.B. HOLE DIAMETER.

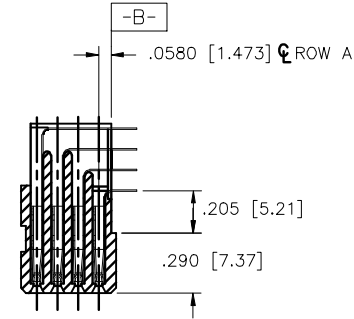
8. THIS PRODUCT (WITH "LF" SUFFIX) MEETS EUROPEAN UNION  
DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN  
GS-22-008.

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

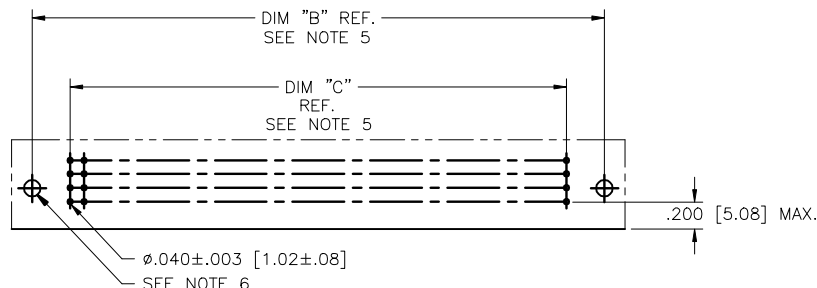
- ⑩ PLATING OPTION:  
MAY BE EITHER GOLD OR GXT PLATED AT MANUFACTURER'S OPTION.



SECTION U-U  
NO SPECIAL FEATURE



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 1902 ✓<br>ISO 1101     | tolerance<br>ISO 406<br>ISO 1101 | projection<br>ISO 1902 | product family<br>HPC                            |
| ltr                   | ecn no   | dr | date | tolerances unless otherwise specified |                                  | INCH/MM                | title                                            |
| S                     |          |    |      | angles                                | linear                           |                        | 4 ROW R/A RECEPTACLE<br>SOLDER TAIL, 0 GUIDE PIN |
|                       |          |    |      |                                       |                                  | scale 1:1              | dwg no                                           |
|                       |          |    |      | dr                                    | G.PETERS                         | 6/4/96                 | sheet 2 of 5 size                                |
|                       |          |    |      | engr                                  | S.CLARK                          | 6/3/96                 | A3                                               |
|                       |          |    |      | chr                                   | S.CLARK                          | 6/4/96                 |                                                  |
|                       |          |    |      | appd                                  | S.CLARK                          | 6/4/96                 |                                                  |
| sheet                 | revision |    |      |                                       |                                  |                        | type                                             |
| index                 | sheet    |    |      |                                       |                                  |                        | Product Customer Drawing                         |

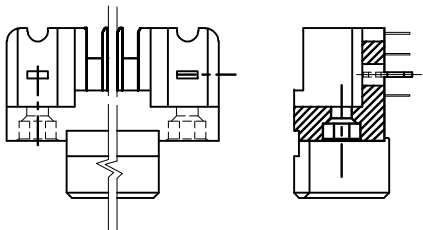


Copyright FCI

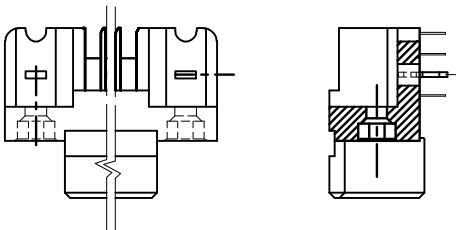
PRODUCT NUMBER  
SEE TABLE

SPECIAL FEATURE OPTION A

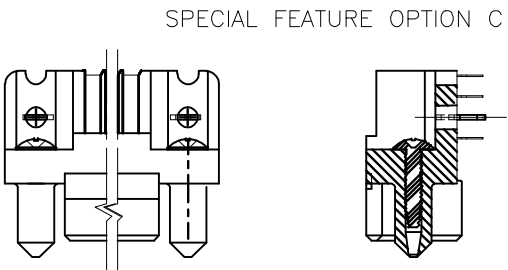
SPECIAL FEATURE OPTION B



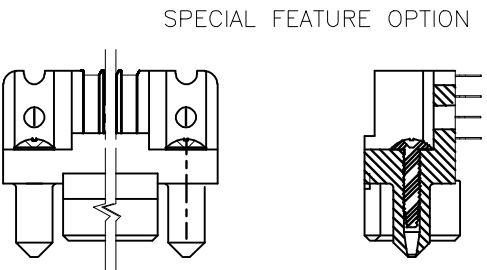
SECTION U-U



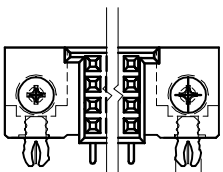
SECTION U-U



SPECIAL FEATURE OPTION C



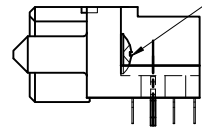
SPECIAL FEATURE OPTION D



NOTE 7

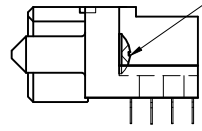
SECTION U-U

SELF TAPPING  
SCREW (2x)



SECTION U-U

SELF TAPPING  
SCREW (2x)



|             |          |    |      |                                       |           |            |                                                  |
|-------------|----------|----|------|---------------------------------------|-----------|------------|--------------------------------------------------|
| mat'l. code |          |    |      | surface                               | tolerance | projection | product family                                   |
| NOTE 3      |          |    |      | ISO 1902                              | ISO 406   |            | HPC                                              |
| ltr         | ecn no   | dr | date | tolerances unless otherwise specified |           | INCH/MM    | title                                            |
| S           |          |    |      | angles                                | linear    |            |                                                  |
|             |          |    |      |                                       |           |            |                                                  |
|             |          |    |      | 0°±2°                                 |           | scale 1:1  |                                                  |
|             |          |    |      | dr                                    | G.PETERS  | 6/4/96     | 4 ROW R/A RECEPTACLE<br>SOLDER TAIL, 0 GUIDE PIN |
|             |          |    |      | engr                                  | S.CLARK   | 6/3/96     |                                                  |
|             |          |    |      | chr                                   | S.CLARK   | 6/4/96     |                                                  |
|             |          |    |      | appd                                  | S.CLARK   | 6/4/96     |                                                  |
| sheet       | revision |    |      |                                       |           |            | dwg no                                           |
| index       | sheet    |    |      |                                       |           |            | sheet 3 of 5 size                                |
|             |          |    |      |                                       |           |            | 50295                                            |
|             |          |    |      |                                       |           |            | A3                                               |
|             |          |    |      |                                       |           |            | type                                             |
|             |          |    |      |                                       |           |            | Product Customer Drawing                         |

| PRODUCT NUMBER<br>NOTE 1 AND 2 | NUMBER OF<br>POSITIONS<br>SEE NOTE 2 | TAIL LENGTH<br>±.010/0.25 | SPECIAL FEATURES<br>SEE NOTE 6 | TAIL PLATING | CONTACT PLATING<br>SEE NOTE 10 | PRODUCT NUMBER<br>NOTE 1 AND 2 | NUMBER OF<br>POSITIONS<br>SEE NOTE 2 | TAIL LENGTH<br>±.010/0.25 | SPECIAL FEATURES<br>SEE NOTE 6 | TAIL PLATING | CONTACT PLATING<br>SEE NOTE 10 |
|--------------------------------|--------------------------------------|---------------------------|--------------------------------|--------------|--------------------------------|--------------------------------|--------------------------------------|---------------------------|--------------------------------|--------------|--------------------------------|
| 50295-1YYYE                    | YYY                                  | .125/3.18                 | NONE                           | TIN-LEAD     | 30μ"/0.76μ Au                  | 50295-1YYYELF                  | YYY                                  | .125/3.18                 | NONE                           | TIN          | 30μ"/0.76μ Au                  |
| 50295-1YYYEA                   | YYY                                  | .125/3.18                 | "A"                            |              | 30μ"/0.76μ Au                  | 50295-1YYYEALF                 | YYY                                  | .125/3.18                 | "A"                            |              | 30μ"/0.76μ Au                  |
| 50295-1YYYEB                   | YYY                                  | .125/3.18                 | "B"                            |              | 30μ"/0.76μ Au                  | 50295-1YYYEBLF                 | YYY                                  | .125/3.18                 | "B"                            |              | 30μ"/0.76μ Au                  |
| 50295-1YYYEC                   | YYY                                  | .125/3.18                 | "C"                            |              | 30μ"/0.76μ Au                  | 50295-1YYYECLF                 | YYY                                  | .125/3.18                 | "C"                            |              | 30μ"/0.76μ Au                  |
| 50295-1YYYED                   | YYY                                  | .125/3.18                 | "D"                            |              | 30μ"/0.76μ Au                  | 50295-1YYYEDLF                 | YYY                                  | .125/3.18                 | "D"                            |              | 30μ"/0.76μ Au                  |
| 50295-1YYYF                    | YYY                                  | .145/3.68                 | NONE                           |              | 30μ"/0.76μ Au                  | 50295-1YYYFLF                  | YYY                                  | .145/3.68                 | NONE                           |              | 30μ"/0.76μ Au                  |
| 50295-1YYYFB                   | YYY                                  | .145/3.68                 | "B"                            |              | 30μ"/0.76μ Au                  | 50295-1YYYFBLF                 | YYY                                  | .145/3.68                 | "B"                            |              | 30μ"/0.76μ Au                  |
| 50295-1YYYFC                   | YYY                                  | .145/3.68                 | "C"                            |              | 30μ"/0.76μ Au                  | 50295-1YYYFCLF                 | YYY                                  | .145/3.68                 | "C"                            |              | 30μ"/0.76μ Au                  |
| 50295-1YYYFD                   | YYY                                  | .145/3.68                 | "D"                            |              | 30μ"/0.76μ Au                  | 50295-1YYYFDLF                 | YYY                                  | .145/3.68                 | "D"                            |              | 30μ"/0.76μ Au                  |
| 50295-1YYYH                    | YYY                                  | .180/4.57                 | NONE                           |              | 30μ"/0.76μ Au                  | 50295-1YYYHLF                  | YYY                                  | .180/4.57                 | NONE                           |              | 30μ"/0.76μ Au                  |
| 50295-1YYYHB                   | YYY                                  | .180/4.57                 | "B"                            |              | 30μ"/0.76μ Au                  | 50295-1YYYHBLF                 | YYY                                  | .180/4.57                 | "B"                            |              | 30μ"/0.76μ Au                  |
| 50295-1YYYHC                   | YYY                                  | .180/4.57                 | "C"                            |              | 30μ"/0.76μ Au                  | 50295-1YYYHCLF                 | YYY                                  | .180/4.57                 | "C"                            |              | 30μ"/0.76μ Au                  |
| 50295-1YYYHD                   | YYY                                  | .180/4.57                 | "D"                            |              | 30μ"/0.76μ Au                  | 50295-1YYYHDLF                 | YYY                                  | .180/4.57                 | "D"                            |              | 30μ"/0.76μ Au                  |
| 50295-3YYYE                    | YYY                                  | .125/3.18                 | NONE                           |              | 50μ"/1.27μ Au                  | 50295-3YYYELF                  | YYY                                  | .125/3.18                 | NONE                           |              | 50μ"/1.27μ Au                  |
| 50295-3YYYEA                   | YYY                                  | .125/3.18                 | "A"                            |              | 50μ"/1.27μ Au                  | 50295-3YYYEALF                 | YYY                                  | .125/3.18                 | "A"                            |              | 50μ"/1.27μ Au                  |
| 50295-3YYYEB                   | YYY                                  | .125/3.18                 | "B"                            |              | 50μ"/1.27μ Au                  | 50295-3YYYEBLF                 | YYY                                  | .125/3.18                 | "B"                            |              | 50μ"/1.27μ Au                  |
| 50295-3YYYEC                   | YYY                                  | .125/3.18                 | "C"                            |              | 50μ"/1.27μ Au                  | 50295-3YYYECLF                 | YYY                                  | .125/3.18                 | "C"                            |              | 50μ"/1.27μ Au                  |
| 50295-3YYYED                   | YYY                                  | .125/3.18                 | "D"                            |              | 50μ"/1.27μ Au                  | 50295-3YYYEDLF                 | YYY                                  | .125/3.18                 | "D"                            |              | 50μ"/1.27μ Au                  |
| 50295-3YYYF                    | YYY                                  | .145/3.68                 | NONE                           |              | 50μ"/1.27μ Au                  | 50295-3YYYFLF                  | YYY                                  | .145/3.68                 | NONE                           |              | 50μ"/1.27μ Au                  |
| 50295-3YYYFB                   | YYY                                  | .145/3.68                 | "B"                            |              | 50μ"/1.27μ Au                  | 50295-3YYYFBLF                 | YYY                                  | .145/3.68                 | "B"                            |              | 50μ"/1.27μ Au                  |
| 50295-3YYYFC                   | YYY                                  | .145/3.68                 | "C"                            |              | 50μ"/1.27μ Au                  | 50295-3YYYFCLF                 | YYY                                  | .145/3.68                 | "C"                            |              | 50μ"/1.27μ Au                  |
| 50295-3YYYFD                   | YYY                                  | .145/3.68                 | "D"                            |              | 50μ"/1.27μ Au                  | 50295-3YYYFDLF                 | YYY                                  | .145/3.68                 | "D"                            |              | 50μ"/1.27μ Au                  |
| 50295-3YYYH                    | YYY                                  | .180/4.57                 | NONE                           |              | 50μ"/1.27μ Au                  | 50295-3YYYHLF                  | YYY                                  | .180/4.57                 | NONE                           |              | 50μ"/1.27μ Au                  |
| 50295-3YYYHB                   | YYY                                  | .180/4.57                 | "B"                            |              | 50μ"/1.27μ Au                  | 50295-3YYYHBLF                 | YYY                                  | .180/4.57                 | "B"                            |              | 50μ"/1.27μ Au                  |
| 50295-3YYYHC                   | YYY                                  | .180/4.57                 | "C"                            |              | 50μ"/1.27μ Au                  | 50295-3YYYHCLF                 | YYY                                  | .180/4.57                 | "C"                            |              | 50μ"/1.27μ Au                  |
| 50295-3YYYHD                   | YYY                                  | .180/4.57                 | "D"                            | TIN-LEAD     | 50μ"/1.27μ Au                  | 50295-3YYYHDLF                 | YYY                                  | .180/4.57                 | "D"                            | TIN          | 50μ"/1.27μ Au                  |

TABLE CONTINUED ON SHEET 5

|                       |          |      |          |                                       |                                  |                        |                       |                          |
|-----------------------|----------|------|----------|---------------------------------------|----------------------------------|------------------------|-----------------------|--------------------------|
| mat'l. code<br>NOTE 3 |          |      |          | surface<br>ISO 1302                   | tolerance<br>ISO 406<br>ISO 1101 | projection<br>ISO 1001 | product family<br>HPC |                          |
| ltr                   | ecn no   | dr   | date     | tolerances unless otherwise specified |                                  |                        |                       | title                    |
| S                     |          |      |          | angles                                | linear                           | XX±.01/XX±0.3          | INCH/MM               | 4 ROW R/A RECEPTACLE     |
|                       |          |      |          | O'±2'                                 |                                  | XXX±.005/XXX±0.13      |                       | SOLDER TAIL, 0 GUIDE PIN |
|                       |          |      |          |                                       |                                  | XXXX±.0020/XXXX±0.051  | scale 1:1             |                          |
|                       |          | dr   | G.PETERS | 6/4/96                                | dwg no                           |                        |                       |                          |
|                       |          | engr | S.CLARK  | 6/3/96                                | sheet 4 of 5 size                |                        |                       |                          |
|                       |          | chr  | S.CLARK  | 6/4/96                                | 50295 A3                         |                        |                       |                          |
|                       |          | appd | S.CLARK  | 6/4/96                                | type Product Customer Drawing    |                        |                       |                          |
| sheet                 | revision |      |          |                                       |                                  |                        |                       |                          |
| index                 | sheet    |      |          |                                       |                                  |                        |                       |                          |

| PRODUCT NUMBER<br>NOTE 1 AND 2 | NUMBER OF<br>POSITIONS<br>SEE NOTE 2 | TAIL LENGTH<br>±.010/0.25 | SPECIAL FEATURES<br>SEE NOTE 6 | TAIL PLATING | CONTACT PLATING<br>SEE NOTE 10 |
|--------------------------------|--------------------------------------|---------------------------|--------------------------------|--------------|--------------------------------|
| 50295-5YYYE                    | YYY                                  | .125/3.18                 | NONE                           | TIN/LEAD     | 30μ"/0.76μ GXT                 |
| 50295-5YYYELF                  | YYY                                  | .125/3.18                 | NONE                           | TIN          |                                |
| 50295-5YYYEA                   | YYY                                  | .125/3.18                 | "A"                            | TIN/LEAD     |                                |
| 50295-5YYYEALF                 | YYY                                  | .125/3.18                 | "A"                            | TIN          |                                |
| 50295-5YYYEB                   | YYY                                  | .125/3.18                 | "B"                            | TIN/LEAD     |                                |
| 50295-5YYYEBLF                 | YYY                                  | .125/3.18                 | "B"                            | TIN          |                                |
| 50295-5YYYEC                   | YYY                                  | .125/3.18                 | "C"                            | TIN/LEAD     |                                |
| 50295-5YYYECLF                 | YYY                                  | .125/3.18                 | "C"                            | TIN          |                                |
| 50295-5YYYED                   | YYY                                  | .125/3.18                 | "D"                            | TIN/LEAD     |                                |
| 50295-5YYYEDLF                 | YYY                                  | .125/3.18                 | "D"                            | TIN          |                                |
| 50295-5YYYF                    | YYY                                  | .145/3.68                 | NONE                           | TIN/LEAD     |                                |
| 50295-5YYYFLF                  | YYY                                  | .145/3.68                 | NONE                           | TIN          |                                |
| 50295-5YYYFB                   | YYY                                  | .145/3.68                 | "B"                            | TIN/LEAD     |                                |
| 50295-5YYYFBLF                 | YYY                                  | .145/3.68                 | "B"                            | TIN          |                                |
| 50295-5YYYFC                   | YYY                                  | .145/3.68                 | "C"                            | TIN/LEAD     |                                |
| 50295-5YYYFCLF                 | YYY                                  | .145/3.68                 | "C"                            | TIN          |                                |
| 50295-5YYYFD                   | YYY                                  | .145/3.68                 | "D"                            | TIN/LEAD     |                                |
| 50295-5YYYFDLF                 | YYY                                  | .145/3.68                 | "D"                            | TIN          |                                |
| 50295-5YYYH                    | YYY                                  | .180/4.57                 | NONE                           | TIN/LEAD     |                                |
| 50295-5YYYHLF                  | YYY                                  | .180/4.57                 | NONE                           | TIN          |                                |
| 50295-5YYYHB                   | YYY                                  | .180/4.57                 | "B"                            | TIN/LEAD     |                                |
| 50295-5YYYHBLF                 | YYY                                  | .180/4.57                 | "B"                            | TIN          |                                |
| 50295-5YYYHC                   | YYY                                  | .180/4.57                 | "C"                            | TIN/LEAD     |                                |
| 50295-5YYYHCLF                 | YYY                                  | .180/4.57                 | "C"                            | TIN          |                                |
| 50295-5YYYHD                   | YYY                                  | .180/4.57                 | "D"                            | TIN/LEAD     |                                |
| 50295-5YYYHDLF                 | YYY                                  | .180/4.57                 | "D"                            | TIN          | 30μ"/0.76μ GXT                 |

|                       |                |    |      |                                       |                                                           |                        |                                                           |
|-----------------------|----------------|----|------|---------------------------------------|-----------------------------------------------------------|------------------------|-----------------------------------------------------------|
| mat'l. code<br>NOTE 3 |                |    |      | surface<br>ISO 1502                   | tolerance<br>ISO 406<br>ISO 1101                          | projection<br>ISO 1502 | product family<br>HPC                                     |
| ltr                   | ecp no         | dr | date | tolerances unless otherwise specified |                                                           | INCH/MM                | title<br>4 ROW R/A RECEPTACLE<br>SOLDER TAIL, 0 GUIDE PIN |
| S                     |                |    |      | angles                                | linear                                                    |                        |                                                           |
|                       |                |    |      | 0°±2'                                 | XXX±.01/XX±0.3<br>XXX±.005/XX±0.13<br>XXX±.0020/XXX±0.051 | scale 1:1              | dwg no                                                    |
|                       |                |    |      | dr                                    | G.PETERS                                                  | 6/4/96                 | sheet 5 of 5 size                                         |
|                       |                |    |      | engr                                  | S.CLARK                                                   | 6/3/96                 | 50295                                                     |
|                       |                |    |      | chr                                   | S.CLARK                                                   | 6/4/96                 | A3                                                        |
|                       |                |    |      | appd                                  | S.CLARK                                                   | 6/4/96                 | type Product Customer Drawing                             |
| sheet index           | revision sheet |    |      |                                       |                                                           |                        |                                                           |