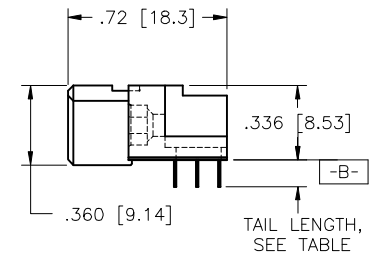
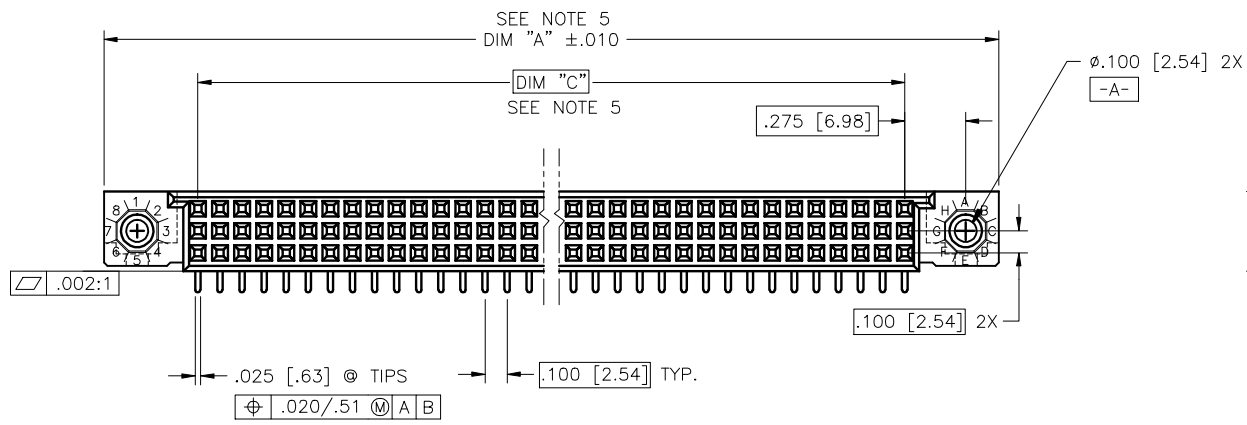
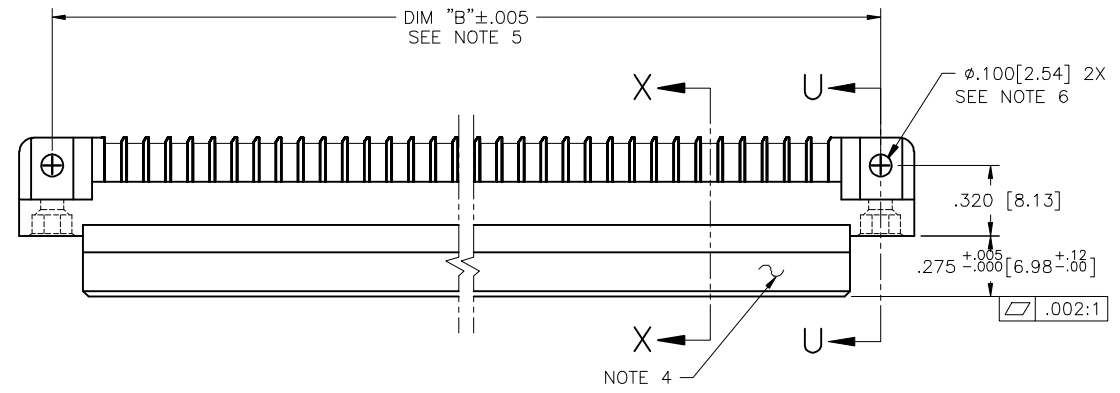


PRODUCT NUMBER  
SEE TABLE

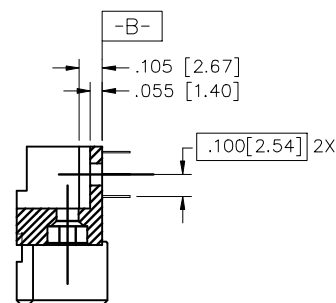


|             |          |     |          |                                       |                     |            |                                                          |
|-------------|----------|-----|----------|---------------------------------------|---------------------|------------|----------------------------------------------------------|
| mat'l. code |          |     |          | surface                               | tolerance           | projection | product family                                           |
| NOTE 3      |          |     |          | ISO 406                               | ISO 1101            |            | HPC                                                      |
| ltr         | ecn no   | dr  | date     | tolerances unless otherwise specified |                     |            |                                                          |
| J           | v00254   | JWS | 1/13/00  | angles                                | .XX±.01/XX±0.3      | INCH/MM    | title<br>3 ROW R/A RECEPTACLE<br>SOLDER TO BOARD, 0 G.P. |
| K           | v01300   | HTB | 4/13/00  | linear                                | .XXX±.006/XX±0.13   |            |                                                          |
| L           | v05-0895 | DCH | 9/20/05  | 0°±2'                                 | .XXX±.0020/XXX±0.06 |            |                                                          |
| M           | v05-1052 | DAI | 11/17/05 | dr                                    | G.PETERS            | 6/5/96     | scale 1:1                                                |
| N           | M06-0283 | MHT | 7/27/06  | engr                                  | S.CLARK             | 6/3/95     | dwg no                                                   |
| P           | M07-0099 | AGS | 2/09/07  | chr                                   | S.CLARK             | 6/5/95     | sheet 1 of 5 size                                        |
| R           | M08-0280 | AGS | 9/30/08  | appd                                  | S.CLARK             | 6/5/95     | A3                                                       |
| sheet       | revision | R   | R        | R                                     | R                   | R          | type                                                     |
| index       | sheet    | 1   | 2        | 3                                     | 4                   | 5          | Product Customer Drawing                                 |

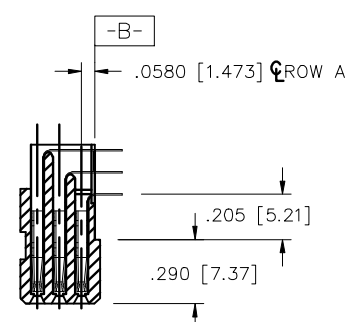
PRODUCT NUMBER  
SEE TABLE

NOTES:

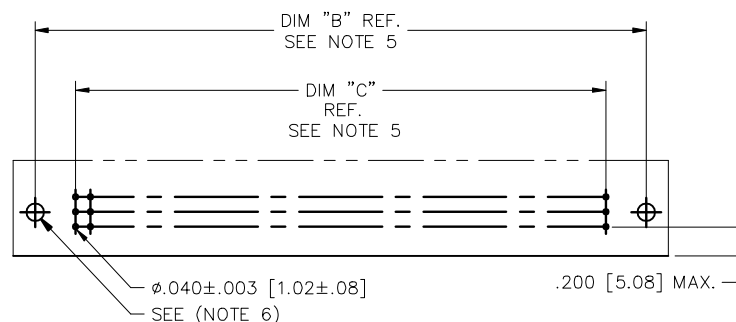
- ①. PRODUCT NUMBERING CODE:  
50294 - X YYY Z S LF  
LEAD FREE (OPTIONAL)  
SPECIAL FEATURES (NOTE 6)  
TAIL LENGTH (SEE TABLE)  
NO. OF POSITIONS (NOTE 2)  
PLATING (SEE TABLE)  
BASE NUMBER
- ②. THIS PRODUCT IS CONFIGURED IN SIZES OF 6 thru 80 COLUMNS IN INCREMENTS OF ONE.  
i.e.: 6,7,8,9.....79,80.
- 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. ATTACHMENT 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  $\phi.120[3.05]$  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



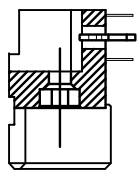
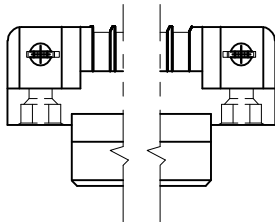
SECTION X-X



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

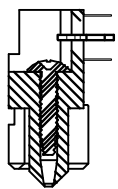
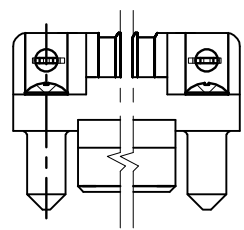
|                       |        |                |      |                                       |                                                                         |                                  |  |                                                                                                     |                                                          |                       |  |  |  |
|-----------------------|--------|----------------|------|---------------------------------------|-------------------------------------------------------------------------|----------------------------------|--|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------|--|--|--|
| mat'l. code<br>NOTE 3 |        |                |      | surface<br>ISO 1902 ✓                 |                                                                         | tolerance<br>ISO 406<br>ISO 1101 |  | projection<br> |                                                          | product family<br>HPC |  |  |  |
| ltr                   | ecn no | dr             | date | tolerances unless otherwise specified |                                                                         |                                  |  | <br>INCH/MM    | title<br>3 ROW R/A RECEPTACLE<br>SOLDER TO BOARD, 0 G.P. |                       |  |  |  |
| R                     |        |                |      | angles                                | linear<br>XXX±.01/XXX±.03<br>XXXX±.005/XXX±.013<br>XXXX±.0020/XXXX±.005 |                                  |  |                                                                                                     |                                                          |                       |  |  |  |
|                       |        |                |      | dr                                    | G.PETERS 6/5/96                                                         |                                  |  |                | dwg no<br>50294<br>sheet 2 of 5 size<br>A3               |                       |  |  |  |
|                       |        |                |      | engr                                  | S.CLARK 6/3/95                                                          |                                  |  |                                                                                                     |                                                          |                       |  |  |  |
|                       |        |                |      | chr                                   | S.CLARK 6/5/95                                                          |                                  |  |                                                                                                     |                                                          |                       |  |  |  |
|                       |        |                |      | appd                                  | S.CLARK 6/5/95                                                          |                                  |  |                                                                                                     |                                                          |                       |  |  |  |
| sheet index           |        | revision sheet |      |                                       |                                                                         |                                  |  |                                                                                                     | type Product Customer Drawing                            |                       |  |  |  |
|                       |        |                |      |                                       |                                                                         |                                  |  |                                                                                                     |                                                          |                       |  |  |  |

PRODUCT NUMBER  
SEE TABLE



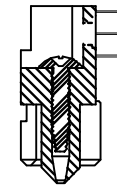
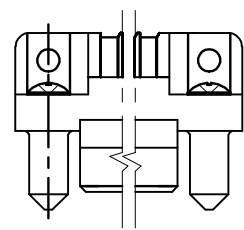
SECTION U-U

SPECIAL FEATURE OPTION "A"  
SEE NOTE 6

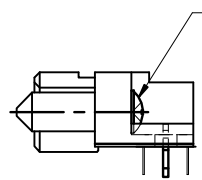
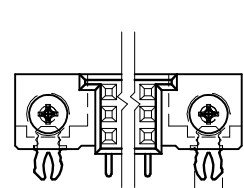


SECTION U-U

SPECIAL FEATURE OPTION "B"  
SEE NOTE 6



SECTION U-U



SELF TAPPING SCREW, 2X

SPECIAL FEATURE OPTION "C"  
SEE NOTE 6

SPECIAL FEATURE OPTION "D"  
SEE NOTE 6

|                       |          |    |      |                                       |                                  |            |                                                          |
|-----------------------|----------|----|------|---------------------------------------|----------------------------------|------------|----------------------------------------------------------|
| mat'l. code<br>NOTE 3 |          |    |      | surface<br>ISO 1302                   | tolerance<br>ISO 406<br>ISO 1101 | projection | product family<br>HPC                                    |
| ltr                   | ecn no   | dr | date | tolerances unless otherwise specified |                                  | INCH/MM    | title<br>3 ROW R/A RECEPTACLE<br>SOLDER TO BOARD, 0 G.P. |
| R                     |          |    |      | angles                                | linear                           |            |                                                          |
|                       |          |    |      |                                       |                                  | scale 1:1  | dwg no                                                   |
|                       |          |    |      | dr                                    | G.PETERS                         | 6/5/96     | sheet 3 of 5 size                                        |
|                       |          |    |      | engr                                  | S.CLARK                          | 6/3/95     | 50294                                                    |
|                       |          |    |      | chr                                   | S.CLARK                          | 6/5/95     | A3                                                       |
|                       |          |    |      | appd                                  | S.CLARK                          | 6/5/95     | type                                                     |
| sheet                 | revision |    |      |                                       |                                  |            | Product Customer Drawing                                 |
| 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 |
|--------------------------------|--------------------------------------|---------------------------|--------------------------------|--------------|--------------------------------|
| 50294-1YYYY                    | YYY                                  | .125/3.18                 | NONE                           | TIN-LEAD     | 30μ"/0.76μ Au                  |
| 50294-1YYYEA                   | YYY                                  | .125/3.18                 | "A"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYEB                   | YYY                                  | .125/3.18                 | "B"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYEC                   | YYY                                  | .125/3.18                 | "C"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYED                   | YYY                                  | .125/3.18                 | "D"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYYF                   | YYY                                  | .145/3.68                 | NONE                           |              | 30μ"/0.76μ Au                  |
| 50294-1YYYFB                   | YYY                                  | .145/3.68                 | "B"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYFC                   | YYY                                  | .145/3.68                 | "C"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYFD                   | YYY                                  | .145/3.68                 | "D"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYYH                   | YYY                                  | .180/4.57                 | NONE                           |              | 30μ"/0.76μ Au                  |
| 50294-1YYYYHB                  | YYY                                  | .180/4.57                 | "B"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYYHC                  | YYY                                  | .180/4.57                 | "C"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYYHD                  | YYY                                  | .180/4.57                 | "D"                            |              | 30μ"/0.76μ Au                  |
| 50294-3YYYYE                   | YYY                                  | .125/3.18                 | NONE                           |              | 50μ"/1.27μ Au                  |
| 50294-3YYYEA                   | YYY                                  | .125/3.18                 | "A"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYEB                   | YYY                                  | .125/3.18                 | "B"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYEC                   | YYY                                  | .125/3.18                 | "C"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYED                   | YYY                                  | .125/3.18                 | "D"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYYF                   | YYY                                  | .145/3.68                 | NONE                           |              | 50μ"/1.27μ Au                  |
| 50294-3YYYFB                   | YYY                                  | .145/3.68                 | "B"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYFC                   | YYY                                  | .145/3.68                 | "C"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYFD                   | YYY                                  | .145/3.68                 | "D"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYYH                   | YYY                                  | .180/4.57                 | NONE                           |              | 50μ"/1.27μ Au                  |
| 50294-3YYYYHB                  | YYY                                  | .180/4.57                 | "B"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYYHC                  | YYY                                  | .180/4.57                 | "C"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYYHD                  | YYY                                  | .180/4.57                 | "D"                            | TIN-LEAD     | 50μ"/1.27μ Au                  |

| 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 |
|--------------------------------|--------------------------------------|---------------------------|--------------------------------|--------------|--------------------------------|
| 50294-1YYYYELF                 | YYY                                  | .125/3.18                 | NONE                           | TIN          | 30μ"/0.76μ Au                  |
| 50294-1YYYEALF                 | YYY                                  | .125/3.18                 | "A"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYEBLF                 | YYY                                  | .125/3.18                 | "B"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYECLF                 | YYY                                  | .125/3.18                 | "C"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYEDLF                 | YYY                                  | .125/3.18                 | "D"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYYFLF                 | YYY                                  | .145/3.68                 | NONE                           |              | 30μ"/0.76μ Au                  |
| 50294-1YYYFBLF                 | YYY                                  | .145/3.68                 | "B"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYFCLF                 | YYY                                  | .145/3.68                 | "C"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYFDLF                 | YYY                                  | .145/3.68                 | "D"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYYHLF                 | YYY                                  | .180/4.57                 | NONE                           |              | 30μ"/0.76μ Au                  |
| 50294-1YYYYHBLF                | YYY                                  | .180/4.57                 | "B"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYYHCLF                | YYY                                  | .180/4.57                 | "C"                            |              | 30μ"/0.76μ Au                  |
| 50294-1YYYYHDLF                | YYY                                  | .180/4.57                 | "D"                            |              | 30μ"/0.76μ Au                  |
| 50294-3YYYYELF                 | YYY                                  | .125/3.18                 | NONE                           |              | 50μ"/1.27μ Au                  |
| 50294-3YYYEALF                 | YYY                                  | .125/3.18                 | "A"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYEBLF                 | YYY                                  | .125/3.18                 | "B"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYECLF                 | YYY                                  | .125/3.18                 | "C"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYEDLF                 | YYY                                  | .125/3.18                 | "D"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYYFLF                 | YYY                                  | .145/3.68                 | NONE                           |              | 50μ"/1.27μ Au                  |
| 50294-3YYYFBLF                 | YYY                                  | .145/3.68                 | "B"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYFCLF                 | YYY                                  | .145/3.68                 | "C"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYFDLF                 | YYY                                  | .145/3.68                 | "D"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYYHLF                 | YYY                                  | .180/4.57                 | NONE                           |              | 50μ"/1.27μ Au                  |
| 50294-3YYYYHBLF                | YYY                                  | .180/4.57                 | "B"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYYHCLF                | YYY                                  | .180/4.57                 | "C"                            |              | 50μ"/1.27μ Au                  |
| 50294-3YYYYHDLF                | 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 1301 | projection<br>FIRST ANGLE                                  | product family<br>HPC                           |                   |
| ltr                   | ecn no   | dr | date | tolerances unless otherwise specified |                                  |                                                            | title                                           |                   |
| R                     |          |    |      | angles                                | linear                           | XX±.01/XX±0.3<br>XXX±.005/XXX±0.13<br>XXXX±.0020/XXXX±0.05 | 3 ROW R/A RECEPTACLE<br>SOLDER TO BOARD, 0 G.P. |                   |
|                       |          |    |      | 0°±2'                                 |                                  |                                                            | scale 1:1                                       |                   |
|                       |          |    |      | dr                                    | G.PETERS                         | 6/5/96                                                     | dwg no                                          | sheet 4 of 5 size |
|                       |          |    |      | engr                                  | S.CLARK                          | 6/3/95                                                     | 50294                                           | A3                |
|                       |          |    |      | chr                                   | S.CLARK                          | 6/5/95                                                     | type Product Customer Drawing                   |                   |
|                       |          |    |      | appd                                  | S.CLARK                          | 6/5/95                                                     |                                                 |                   |
| sheet                 | revision |    |      |                                       |                                  |                                                            |                                                 |                   |
| index                 | sheet    |    |      |                                       |                                  |                                                            |                                                 |                   |



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| 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 |
|--------------------------------|--------------------------------------|---------------------------|--------------------------------|--------------|--------------------------------|
| 50294-5YYYE                    | YYY                                  | .125/3.18                 | NONE                           | TIN/LEAD     | 30μ"/0.76μ GXT                 |
| 50294-5YYYELF                  | YYY                                  | .125/3.18                 | NONE                           | TIN          |                                |
| 50294-5YYYEA                   | YYY                                  | .125/3.18                 | "A"                            | TIN/LEAD     |                                |
| 50294-5YYYEALF                 | YYY                                  | .125/3.18                 | "A"                            | TIN          |                                |
| 50294-5YYYEB                   | YYY                                  | .125/3.18                 | "B"                            | TIN/LEAD     |                                |
| 50294-5YYYEBLF                 | YYY                                  | .125/3.18                 | "B"                            | TIN          |                                |
| 50294-5YYYEC                   | YYY                                  | .125/3.18                 | "C"                            | TIN/LEAD     |                                |
| 50294-5YYYECLF                 | YYY                                  | .125/3.18                 | "C"                            | TIN          |                                |
| 50294-5YYYED                   | YYY                                  | .125/3.18                 | "D"                            | TIN/LEAD     |                                |
| 50294-5YYYEDLF                 | YYY                                  | .125/3.18                 | "D"                            | TIN          |                                |
| 50294-5YYYF                    | YYY                                  | .145/3.68                 | NONE                           | TIN/LEAD     |                                |
| 50294-5YYYFLF                  | YYY                                  | .145/3.68                 | NONE                           | TIN          |                                |
| 50294-5YYYFB                   | YYY                                  | .145/3.68                 | "B"                            | TIN/LEAD     |                                |
| 50294-5YYYFBLF                 | YYY                                  | .145/3.68                 | "B"                            | TIN          |                                |
| 50294-5YYYFC                   | YYY                                  | .145/3.68                 | "C"                            | TIN/LEAD     |                                |
| 50294-5YYYFCLF                 | YYY                                  | .145/3.68                 | "C"                            | TIN          |                                |
| 50294-5YYYFD                   | YYY                                  | .145/3.68                 | "D"                            | TIN/LEAD     |                                |
| 50294-5YYYFDLF                 | YYY                                  | .145/3.68                 | "D"                            | TIN          |                                |
| 50294-5YYYH                    | YYY                                  | .180/4.57                 | NONE                           | TIN/LEAD     |                                |
| 50294-5YYYHLF                  | YYY                                  | .180/4.57                 | NONE                           | TIN          |                                |
| 50294-5YYYHB                   | YYY                                  | .180/4.57                 | "B"                            | TIN/LEAD     |                                |
| 50294-5YYYHBLF                 | YYY                                  | .180/4.57                 | "B"                            | TIN          |                                |
| 50294-5YYYHC                   | YYY                                  | .180/4.57                 | "C"                            | TIN/LEAD     |                                |
| 50294-5YYYHCLF                 | YYY                                  | .180/4.57                 | "C"                            | TIN          |                                |
| 50294-5YYYHD                   | YYY                                  | .180/4.57                 | "D"                            | TIN/LEAD     |                                |
| 50294-5YYYHDLF                 | YYY                                  | .180/4.57                 | "D"                            | TIN          | 30μ"/0.76μ GXT                 |

|             |          |    |      |                                       |          |                                                             |  |            |  |                                                 |  |
|-------------|----------|----|------|---------------------------------------|----------|-------------------------------------------------------------|--|------------|--|-------------------------------------------------|--|
| mat'l. code |          |    |      | surface<br>ISO 1902                   |          | tolerance<br>ISO 406<br>ISO 1101                            |  | projection |  | product family<br>HPC                           |  |
| NOTE 3      |          |    |      |                                       |          |                                                             |  |            |  | title                                           |  |
| ltr         | ecn no   | dr | date | tolerances unless otherwise specified |          |                                                             |  | INCH/MM    |  | 3 ROW R/A RECEPTACLE<br>SOLDER TO BOARD, 0 G.P. |  |
| R           |          |    |      | angles                                | linear   | .XX±.01/XX±0.3<br>.XXX±.005/XX±0.13<br>XXXX±.0020/XXXX±0.05 |  | scale 1:1  |  | dwg no                                          |  |
|             |          |    |      | dr                                    | G.PETERS | 6/5/96                                                      |  |            |  | sheet 5 of 5 size                               |  |
|             |          |    |      | engr                                  | S.CLARK  | 6/3/95                                                      |  |            |  | A3                                              |  |
|             |          |    |      | chr                                   | S.CLARK  | 6/5/95                                                      |  |            |  | type                                            |  |
|             |          |    |      | appd                                  | S.CLARK  | 6/5/95                                                      |  |            |  | Product Customer Drawing                        |  |
| sheet       | revision |    |      |                                       |          |                                                             |  |            |  |                                                 |  |
| index       | sheet    |    |      |                                       |          |                                                             |  |            |  |                                                 |  |

form A3