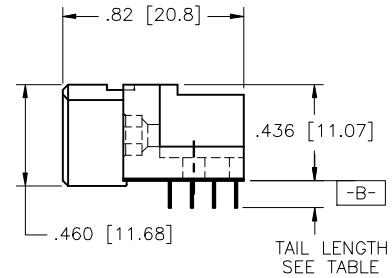
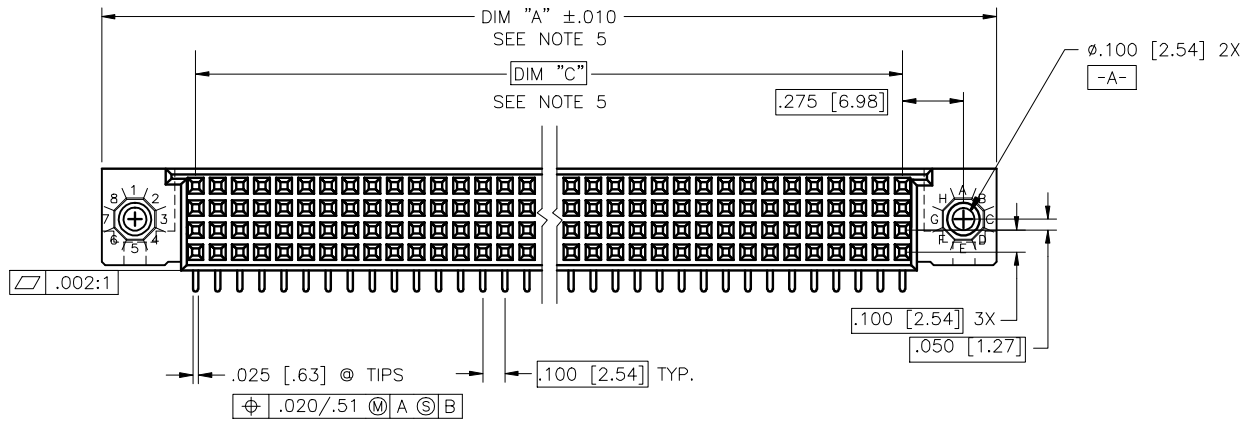
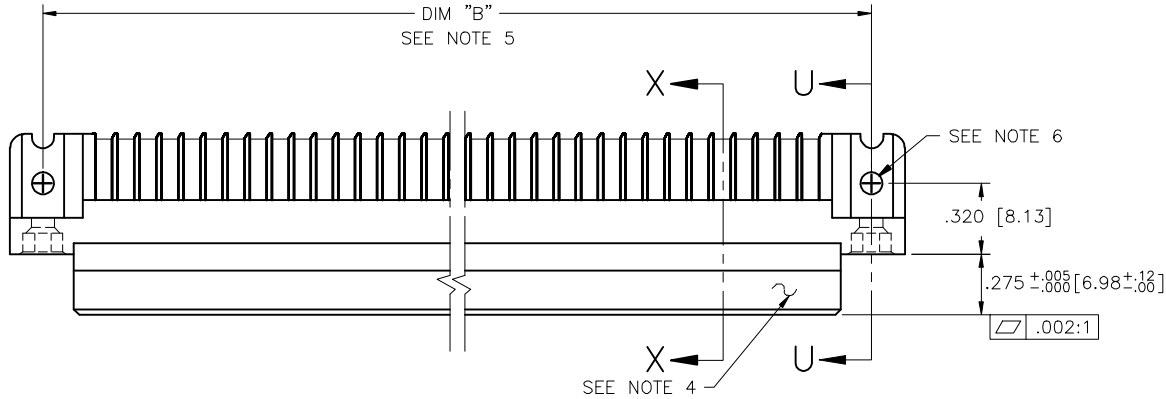


PRODUCT NUMBER
SEE TABLE



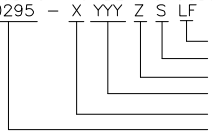
| | | | | | | | |
|-------------|----------|-----|---------|---------------------------------------|------------------------|------------|--|
| mat'l. code | | | | surface | tolerance | projection | product family |
| NOTE 3 | | | | ISO 1302 | ISO 406 | ISO 1101 | HPC |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | title |
| K | V01354 | LSS | 6/22/00 | angles | .XX±.01/XX±0.3 | INCH/MM | 4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN |
| L | V03-0489 | HTB | 5/2/03 | linear | .XXX±.006/XXX±0.13 | | |
| M | V05-0207 | VS | 3/2/05 | 0'±2' | .XXXX±.0020/XXXX±0.051 | scale 1:1 | dwg no |
| N | V05-1052 | HTB | 12/7/05 | dr | G.PETERS | 6/4/96 | sheet 1 of 5 |
| P | M06-0283 | MHT | 7/27/06 | engr | S.CLARK | 6/3/96 | size |
| R | M07-0099 | AGS | 2/09/07 | chr | S.CLARK | 6/4/96 | A3 |
| S | M08-0280 | AGS | 9/30/08 | appd | S.CLARK | 6/4/96 | type |
| sheet | revision | S | S | S | S | S | Product Customer Drawing |
| index | sheet | 1 | 2 | 3 | 4 | 5 | |

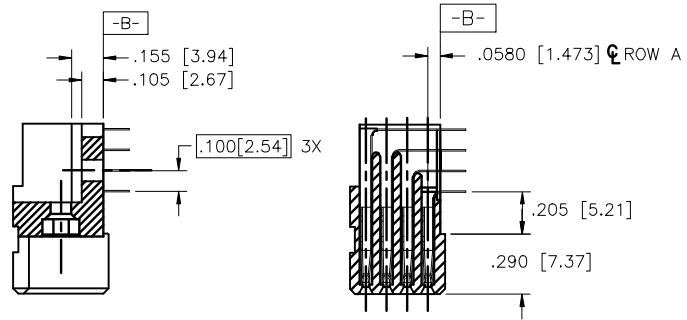


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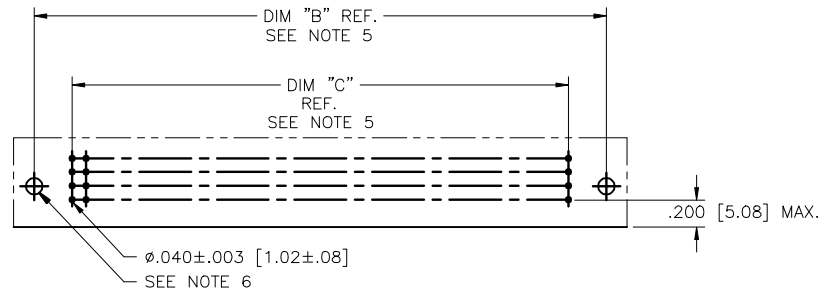
PRODUCT NUMBER
SEE TABLE

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)

| | | | | | | | | | | |
|-------------|----------|--------|------|---------------------------------------|----------|--------------------|---------------------|-------------|--|--------------------------|
| mal't. code | | NOTE 3 | | surface | ISO 1902 | tolerance | ISO 406 ISO 1101 | projection | product family | HPC |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | | INCH/MM | title | |
| S | | | | angles | linear | .XX±.01/XX±0.3 | scale | | 4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN | |
| | | | | 0'±2' | | .XXX±.006/XXX±0.13 | 1:1 | dwg no | | sheet 2 of 5 |
| | | | | dr | G.PETERS | 6/4/96 | | 50295 | | A3 |
| | | | | engr | S.CLARK | 6/3/96 | | type | | Product Customer Drawing |
| | | | | chr | S.CLARK | 6/4/96 | | | | |
| | | | | appd | S.CLARK | 6/4/96 | | | | |
| sheet | revision | | | | | | | | | |
| index | sheet | | | | | | | | | |



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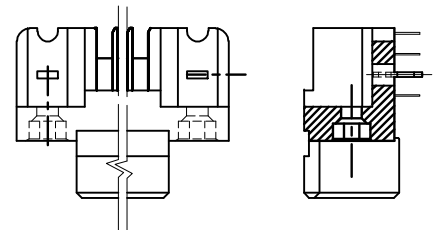


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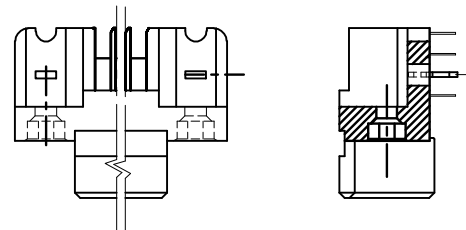
PRODUCT NUMBER
SEE TABLE

SPECIAL FEATURE OPTION A

SPECIAL FEATURE OPTION B



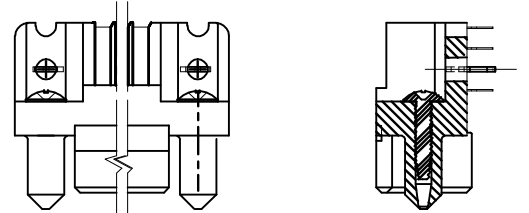
SECTION U-U



SECTION U-U

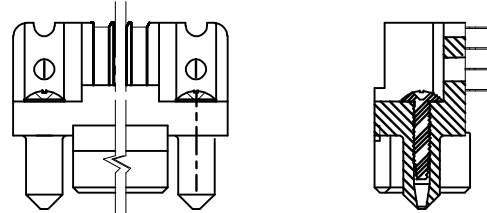
SPECIAL FEATURE OPTION C

SPECIAL FEATURE OPTION D



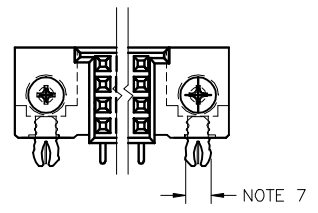
SECTION U-U

SELF TAPPING SCREW (2x)



SECTION U-U

SELF TAPPING SCREW (2x)



NOTE 7

| | | | | | | | | | | |
|-------------|----------|--------|------|---------------------------------------|----------|----------------------|--------------------|------------|----------------|--------------------------|
| mat'l. code | | NOTE 3 | | surface | ISO 1302 | tolerance | ISO 406 | projection | product family | HPC |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | | | | |
| s | | | | angles | linear | .XX±.01/XX±0.3 | .XXX±.006/XXX±0.13 | INCH/MM | title | |
| | | | | 0°±2' | | .XXX±.0020/XXX±0.051 | | scale | 1:1 | 4 ROW R/A RECEPTACLE |
| | | | | dr | G.PETERS | 6/4/96 | | | | SOLDER TAIL, 0 GUIDE PIN |
| | | | | engr | S.CLARK | 6/3/96 | | | | dwg no |
| | | | | chr | S.CLARK | 6/4/96 | | | | 50295 |
| | | | | appd | S.CLARK | 6/4/96 | | | | sheet 3 of 5 size |
| | | | | | | | | | | A3 |
| sheet | revision | | | | | | | | | type |
| index | sheet | | | | | | | | | Product Customer Drawing |

form A3 1 2 3 4 5 6

| PRODUCT NUMBER NOTE 1 AND 2 | NUMBER OF POSITIONS SEE NOTE 2 | TAIL LENGTH ±.010/0.25 | SPECIAL FEATURES SEE NOTE 6 | TAIL PLATING | CONTACT PLATING SEE NOTE 10 | PRODUCT NUMBER NOTE 1 AND 2 | NUMBER OF POSITIONS SEE NOTE 2 | TAIL LENGTH ±.010/0.25 | SPECIAL FEATURES SEE NOTE 6 | TAIL PLATING | CONTACT PLATING 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



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| | | | | | | | | | | | |
|-------------|----------|----|------|---------------------------------------|--|-----------|---------|------------|--|--------------------------|--|
| mat'l. code | | | | surface | | tolerance | | projection | | product family | |
| NOTE 3 | | | | ISO 1302 | | ISO 1101 | | | | HPC | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | | | | | |
| S | | | | angles | linear | | | | title | | |
| | | | | 0°±2' | .XX±.01/XX±0.3 .XXX±.006/XXX±0.13 .XXXX±.0020/XXXX±0.051 | | INCH/MM | | 4 ROW R/A RECEPTACLE SOLDER TAIL, 0 GUIDE PIN | | |
| | | | | dr | G.PETERS | 6/4/96 | | scale 1:1 | | 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 | | | | | | | | | | |

form: A3 1 2 3 4 5 6

| PRODUCT NUMBER NOTE 1 AND 2 | NUMBER OF POSITIONS SEE NOTE 2 | TAIL LENGTH ±.010/0.25 | SPECIAL FEATURES SEE NOTE 6 | TAIL PLATING | CONTACT PLATING 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 |



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| | | | | | | | | | | |
|-------------|----------|--------|------|---------------------------------------|----------|----------------------|--------------------|------------|-------------------------------|--------------|
| mat'l. code | | NOTE 3 | | surface | ISO 1902 | tolerance | ISO 406 | projection | product family | HPC |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | | | | |
| s | | | | angles | linear | .XX±.01/XX±0.3 | .XXX±.006/XXX±0.13 | INCH/MM | title | |
| | | | | 0'±2' | | .XXX±.0020/XXX±0.051 | | scale | 4 ROW R/A RECEPTACLE | |
| | | | | dr | G.PETERS | 6/4/96 | | | SOLDER TAIL, 0 GUIDE PIN | |
| | | | | engr | S.CLARK | 6/3/96 | | | dwg no | sheet 5 of 5 |
| | | | | chr | S.CLARK | 6/4/96 | | | 50295 | A3 |
| | | | | appd | S.CLARK | 6/4/96 | | | type Product Customer Drawing | |
| sheet | revision | | | | | | | | | |
| index | sheet | | | | | | | | | |

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