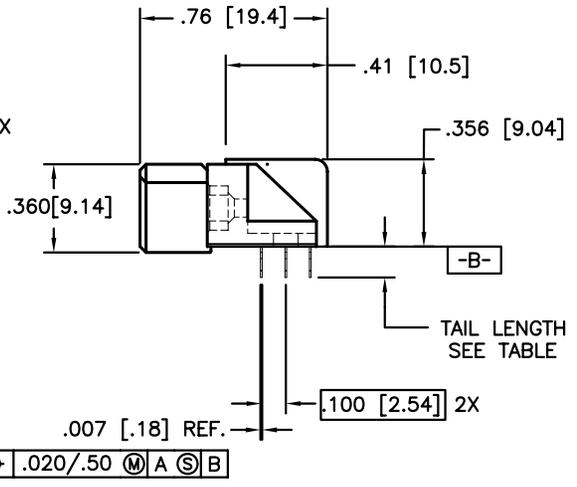
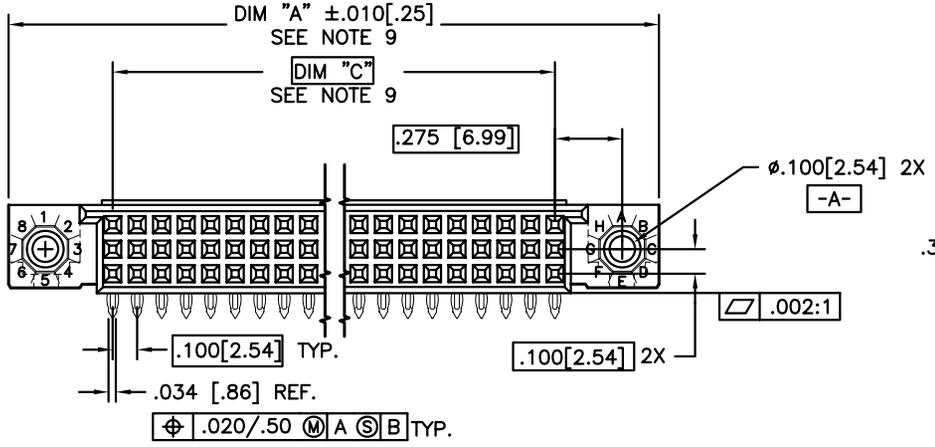
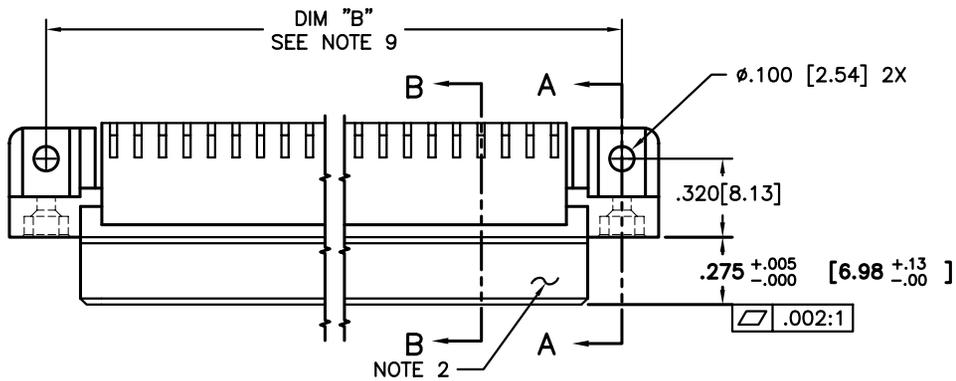


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PRODUCT NUMBER
SEE TABLE



| | | | | | | | | | | | |
|---------------------------|----------|-----|----------|--|-----------------------|---------|------------|--|----------------|---|--------|
| mat'l. code SEE NOTE 4 | | | | tolerances unless otherwise specified | | | | CUSTOMER COPY | |  www.fciconnect.com | |
| ltr | ecn no | dr | date | linear | .XX ±.01/.X±.3 | | projection |  INCH/MM | | title | |
| H | V41510 | GAH | 10/13/94 | | .XXX ±.005/.XX±.13 | | | | | 3 ROW R/A RECEPT. PRESS FIT, 0 GUIDE PIN | |
| J | V60822 | GIP | 5/30/96 | angles | .XXX ±.0020/.XXX±.051 | | scale | | product family | | |
| K | V90001 | HTB | 2/15/99 | | 0° ±2° | | | | HPC | | |
| L | V00268 | JWS | 1/31/00 | dr | G.PETERS | 6/19/93 | 1:1 | | code | | |
| M | V10826 | JRW | 2/7/01 | engr | S.CLARK | 6/19/93 | | | size dwg no | | 213 |
| N | V05-0511 | DAI | 08/15/05 | chr | S.CLARK | 6/19/93 | A | | sheet | | |
| P | V05-1054 | HTB | 11/17/05 | appd | S.CLARK | 6/19/93 | | | 50645 | | 1 of 4 |
| sheet index | revision | P | P | P | P | | | | | | |
| | sheet | 1 | 2 | 3 | 4 | | | | | | |

cage code
22526

ACAD

PDM: Rev:P

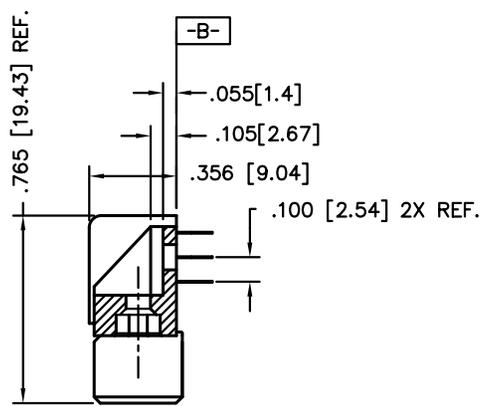
STATUS: Released

Printed: Dec 22, 2005

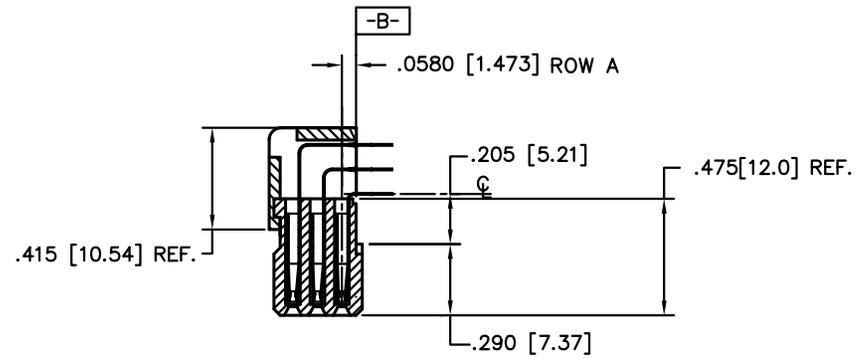
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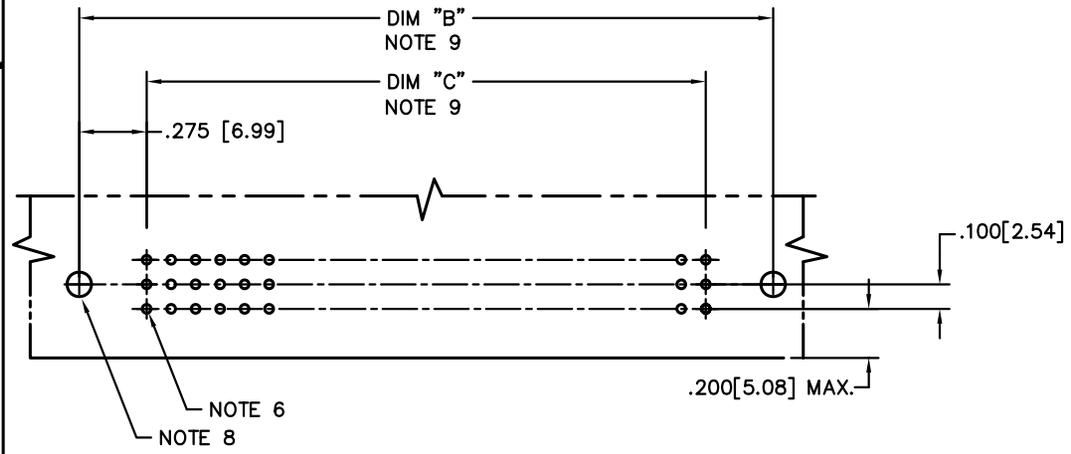
PRODUCT NUMBER
SEE TABLE



SECTION A-A



SECTION B-B



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

| | | | | | | | | |
|---------------------------|----------------|----|------|---------------------------------------|--|---|---|------------|
| mat'l. code SEE NOTE 4 | | | | tolerances unless otherwise specified | | CUSTOMER COPY |  www.fciconnect.com | |
| ltr | ecn no | dr | date | linear | .XX ±.01/.X±.3 .XXX ±.005/.XX±.13 .XXXX ±.0020/.XXX±.051 | | | projection |
| P | | | | angles | 0° ±2° |  | product family HPC | code 213 |
| | | | | dr | G.PETERS 6/19/93 | INCH/MM | product family HPC | code 213 |
| | | | | enr | S.CLARK 6/19/93 | scale 1:1 | size dwg no | sheet 2 of |
| | | | | chr | S.CLARK 6/19/93 | | A 50645 | |
| | | | | appd | S.CLARK 6/19/93 | | | |
| sheet index | revision sheet | | | | | | | |

cage code
22526

ACAD

PDM: Rev:P

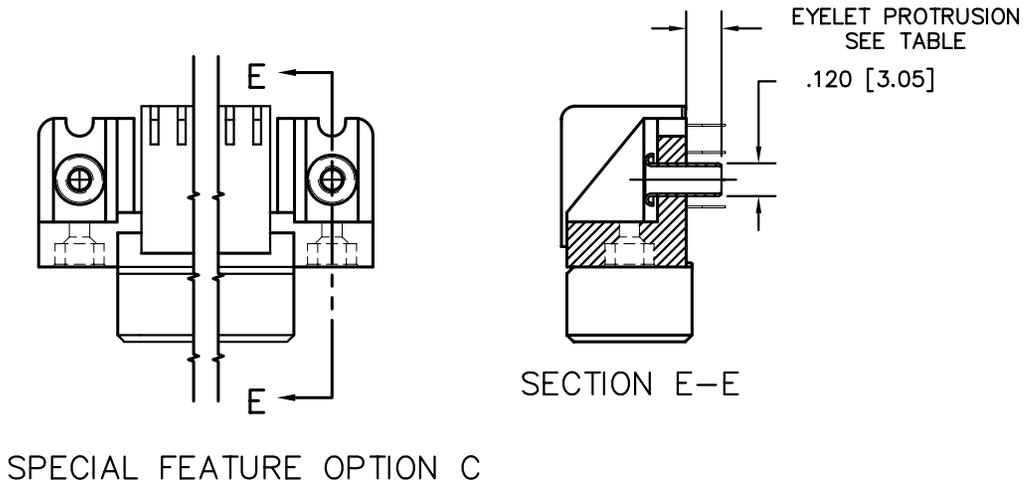
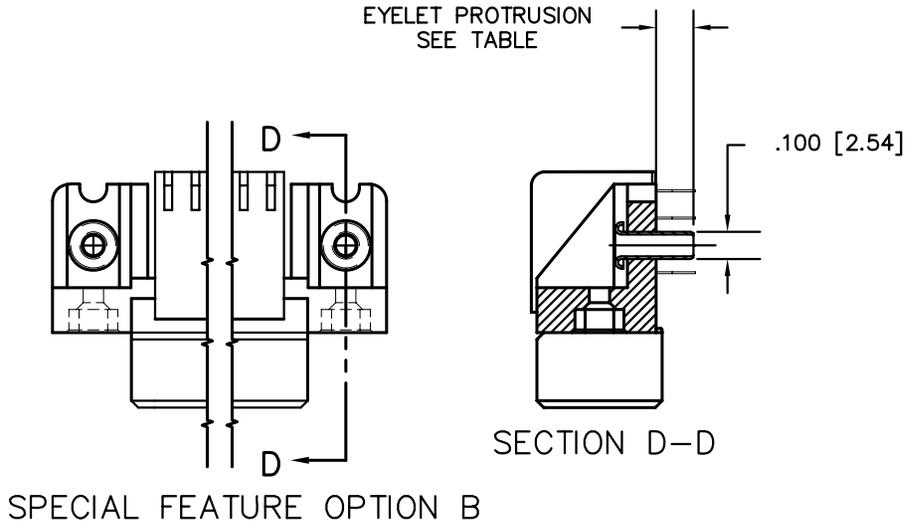
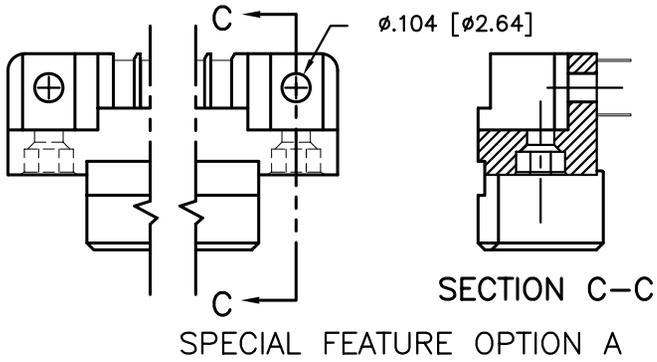
STATUS: Released

Printed: Dec 22, 2005

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PRODUCT NUMBER
SEE TABLE



| | | | | | | | |
|---------------------------|----------|----|------|--|---|--|---|
| mat'l. code SEE NOTE 4 | | | | tolerances unless otherwise specified | | CUSTOMER COPY |  www.fciconnect.com |
| ltr | ecn no | dr | date | linear | .XX ±.01/.X±.3 .XXX ±.005/.XX±.13 .XXXX ±.0020/.XXX±.051 angles 0° ±2° | | |
| P | | | | dr | G.PETERS 6/19/93 |  INCH/MM | 3 ROW R/A RECEPT. PRESS FIT, 0 GUIDE PIN |
| | | | | enr | S.CLARK 6/19/93 | | |
| | | | | chr | S.CLARK 6/19/93 | scale | code |
| | | | | appd | S.CLARK 6/19/93 | 1:1 | 213 |
| sheet | revision | | | | | | product family |
| index | sheet | | | | | | HPC |
| | | | | | | | code |
| | | | | | | | 50645 |
| | | | | | | | sheet |
| | | | | | | | 3 of |

B

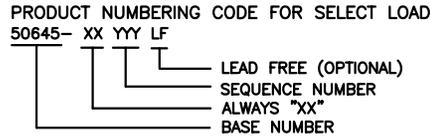
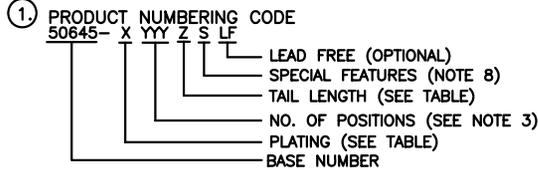
A

FCI

B

| PRODUCT NUMBER NOTE 1 | NUMBER OF POSITIONS NOTE 3 | TAIL LENGTH ±.010/0.25 | SPECIAL FEATURES SEE NOTE 8 | SOLDER TAIL PLATING | CONTACT PLATING | EYELET PROTRUSION |
|--------------------------|-------------------------------|---------------------------|--------------------------------|------------------------|-----------------|----------------------|
| 50645-1YYYE | YYY | .125/3.18 | NONE | TIN-LEAD | 30u"/.76u Au | N/A |
| 50645-2YYYELF | YY | .125/3.18 | NONE | TIN | 30u"/.76u GXT | N/A |
| 50645-1YYYEA | YYY | .125/3.18 | "A" | TIN-LEAD | 30u"/.76u Au | N/A |
| 50645-2YYYEALF | 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 |
| 50645-2YYYEBLF | YY | .125/3.18 | "B" | TIN | 30u"/.76u GXT | .137/3.48 |
| 50645-1YYYEC | YY | .125/3.18 | "C" | TIN-LEAD | 30u"/.76u Au | .115/2.92 |
| 50645-2YYYECLF | YYY | .125/3.18 | "C" | TIN | 30u"/.76u GXT | .115/2.92 |
| 50645-1YYYF | YYY | .145/3.68 | NONE | TIN-LEAD | 30u"/.76u Au | N/A |
| 50645-2YYYFLF | YYY | .145/3.68 | NONE | TIN | 30u"/.76u GXT | N/A |
| 50645-1YYYFA | YY | .145/3.68 | "A" | TIN-LEAD | 30u"/.76u Au | N/A |
| 50645-2YYYFALF | YY | .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 |
| 50645-2YYYFCLF | YYY | .145/3.68 | "C" | TIN | 30u"/.76u GXT | .170/4.32 |

NOTES:



- 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 -XYYY 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 SEE NOTE 4 | | tolerances unless otherwise specified | | CUSTOMER COPY | www.fciconnect.com |
| ltr | ecn no | dr | date | linear | |
| P | | | | linear | title 3 ROW R/A RECEPT. PRESS FIT, 0 GUIDE PIN |
| | | | | angles | product family HPC code size dwg no 213 |
| | | | | dr | scale A 50645 sheet 4 of |
| | | | | enr | |
| | | | | chr | |
| | | | | appd | |
| sheet index | revision sheet | | | | |