



**PDM: Rev:S**      STATUS: **Released**      Printed: May 13, 2011

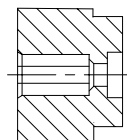


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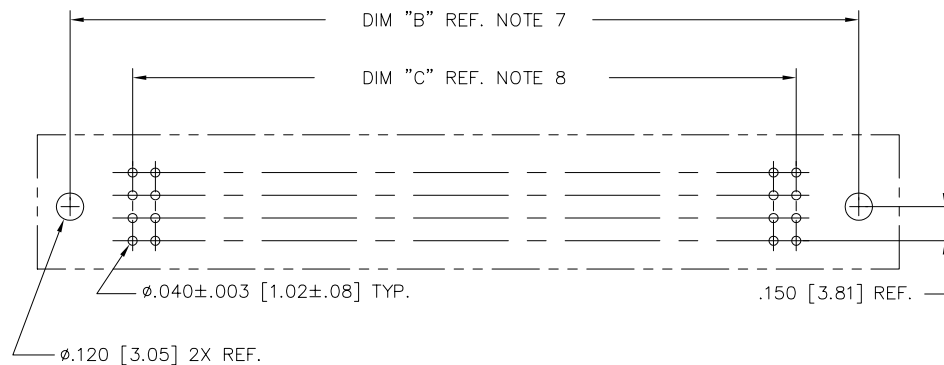
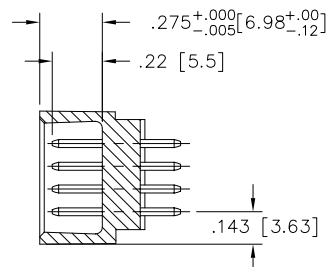
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PRODUCT NUMBER  
SEE TABLE

SECTION U-U



SECTION X-X



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

|                       |                |    |    |                                                         |                                       |                               |                                                              |
|-----------------------|----------------|----|----|---------------------------------------------------------|---------------------------------------|-------------------------------|--------------------------------------------------------------|
| mat'l. code<br>NOTE 4 |                |    |    | surface<br>ISO 1302 <input checked="" type="checkbox"/> | tolerance<br>ISO 406<br>ISO 1101      | projection<br>                | product family<br>HPC                                        |
| ltr                   | ecn            | no | dr | date                                                    | tolerances unless otherwise specified | INCH/MM<br>scale 1:1<br>      | title<br>4 ROW VERTICAL HEADER<br>W/SOLDER TAIL PINS, 0 G.P. |
| S                     |                |    |    |                                                         | angles linear .XX $\pm$ .01/.3        |                               | dwg no<br>50015<br>sheet 2 of 4 size<br>A3                   |
|                       |                |    |    |                                                         | 0' $\pm$ 2' .XXX $\pm$ .005/.13       |                               |                                                              |
|                       |                |    |    |                                                         | XXXX $\pm$ .0020/.051                 |                               |                                                              |
|                       |                |    |    | dr                                                      | D.INGRAM 7/20/05                      | type Product Customer Drawing |                                                              |
|                       |                |    |    | enr                                                     | D.HORCHLER 7/20/05                    |                               |                                                              |
|                       |                |    |    | chr                                                     | T.BREWBAKER 7/20/05                   |                               |                                                              |
|                       |                |    |    | app                                                     | D.HORCHLER 7/20/05                    |                               |                                                              |
| sheet index           | revision sheet |    |    |                                                         |                                       |                               |                                                              |

form: A3

|          |   |   |    |    |    |    |    |    |  |
|----------|---|---|----|----|----|----|----|----|--|
|          | 1 | 5 | 10 | 15 | 20 | 25 | 30 | 32 |  |
| <u>D</u> |   |   |    |    |    |    |    |    |  |
| <u>C</u> |   |   |    |    |    |    |    |    |  |
| <u>B</u> | B | B |    |    |    |    |    |    |  |
| <u>A</u> | B |   |    |    |    |    |    |    |  |

1. ALL POSITIONS ARE LOADED WITH "A" EXCEPT WHERE NOTED.
2. COLUMN 1, ROW A IS DESIGNATED AS SIGNAL PIN 1, AS VIEWED FROM THE MATING FACE.
3. SIGNAL DATA FOR 50015-XX022 AND 50015-XX022LF:  
SIZE 4 x 32  
TOTAL NO. OF POSITIONS - 128  
NO. OF POSITIONS LOADED - 128

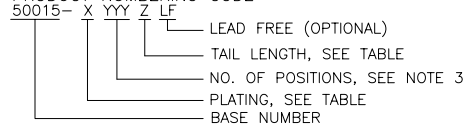
| ITEM KEY | QTY. | MATING LENGTH |
|----------|------|---------------|
| A        | 113  | .180/4.57     |
| B        | 11   | .260/6.60     |
| C        | 4    | .220/5.59     |

[illegible]

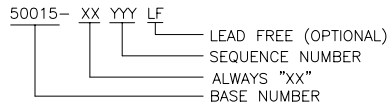
| PRODUCT NUMBER | NUMBER OF POSITIONS<br>NOTE 3 | TAIL LENGTH<br>±.015/0.38 | CONTACT PLATING |
|----------------|-------------------------------|---------------------------|-----------------|
| 50015-1YYYA    | YYY                           | .177/4.50                 | 30u"/.76u Au    |
| 50015-1YYYC    | YYY                           | .533/13.54                | 30u"/.76u Au    |
| 50015-1YYXD    | YYY                           | .733/18.62                | 30u"/.76u Au    |
| 50015-1YYYG    | YYY                           | .250/6.35                 | 30u"/.76u Au    |
| 50015-1YYYJ    | YYY                           | .120/3.05                 | 30u"/.76u Au    |
| 50015-3YYYA    | YYY                           | .177/4.50                 | 50u"/1.27u Au   |
| 50015-3YYYC    | YYY                           | .533/13.54                | 50u"/1.27u Au   |
| 50015-3YYXD    | YYY                           | .733/18.62                | 50u"/1.27u Au   |
| 50015-3YYYG    | YYY                           | .250/6.35                 | 50u"/1.27u Au   |
| 50015-3YYYJ    | YYY                           | .120/3.05                 | 50u"/1.27u Au   |
| 50015-5YYYA    | YYY                           | .177/4.50                 | 30u"/.76u GXT   |
| 50015-5YYYALF  | YYY                           | .177/4.50                 | 30u"/.76u GXT   |
| 50015-5YYYC    | YYY                           | .533/13.54                | 30u"/.76u GXT   |
| 50015-5YYYCLF  | YYY                           | .533/13.54                | 30u"/.76u GXT   |
| 50015-5YYXD    | YYY                           | .733/18.62                | 30u"/.76u GXT   |
| 50015-5YYYDLF  | YYY                           | .733/18.62                | 30u"/.76u GXT   |
| 50015-5YYYG    | YYY                           | .250/6.35                 | 30u"/.76u GXT   |
| 50015-5YYYGLF  | YYY                           | .250/6.35                 | 30u"/.76u GXT   |
| 50015-5YYYJ    | YYY                           | .120/3.05                 | 30u"/.76u GXT   |
| 50015-5YYYJLF  | YYY                           | .120/3.05                 | 30u"/.76u GXT   |
| 50015-XX022    | 128                           | .250/6.35                 | 30u"/.76u Au    |
| 50015-XX022LF  | 128                           | .250/6.35                 | 30u"/.76u GXT   |

# NOTES:

## 1. PRODUCT NUMBERING CODE



## PRODUCT NUMBERING CODE FOR SELECT LOAD



- MANUFACTURE'S LOGO, PN, AND LOT CODE TO APPEAR ON THIS SURFACE.
- THIS PRODUCT IS CONFIGURED IN SIZES OF 6 THRU 80 COLUMNS IN INCREMENTS OF ONE, i.e. 6, 7, 8, 9, .....79, 80.
- MATERIAL:  
HOUSING - GLASS AND MINERAL FILLED HIGH TEMPERTURE THERMOPLASTIC, FLAME RETARDANT PER UL94V-0. COLOR-BLACK  
CONTACT - PHOS BRONZE
- PLATING:  
CONTACT AREA - SEE PRODUCT NUMBER TABLE  
TAILS-EITHER TIN OR TIN LEAD, SEE PRODUCT NUMBER TABLE
- 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)
- ALL POSITIONS ARE LOADED EXCEPT FOR -XXYYY ASSEMBLIES WHICH HAVE SELECTIVE LOADING.
- THIS PRODUCT (WITH "LF" SUFFIX) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- 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>NOTE 4 |                |    |    | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101                             | projection<br>INCH/MM | product family<br>HPC                               |
| ltr                   | ecr            | no | dr | date                  | tolerances unless otherwise specified                        |                       | title                                               |
| S                     |                |    |    |                       | angles linear .XX±.01/.3<br>.XXX±.005/.13<br>.XXXX±.0020/.05 | INCH/MM               | 4 ROW VERTICAL HEADER<br>W/SOLDER TAIL PINS, 0 G.P. |
|                       |                |    |    |                       | 0'±2'                                                        | scale 1:1             | dwg no sheet 4 of 4 size                            |
|                       |                |    |    | dr                    | D.INGRAM 7/20/05                                             | FCI                   | A3                                                  |
|                       |                |    |    | enr                   | D.HORCHLER 7/20/05                                           |                       |                                                     |
|                       |                |    |    | chr                   | T.BREWBAKER 7/20/05                                          |                       |                                                     |
|                       |                |    |    | appd                  | D.HORCHLER 7/20/05                                           |                       |                                                     |
| sheet index           | revision sheet |    |    |                       |                                                              |                       | type Product Customer Drawing                       |

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