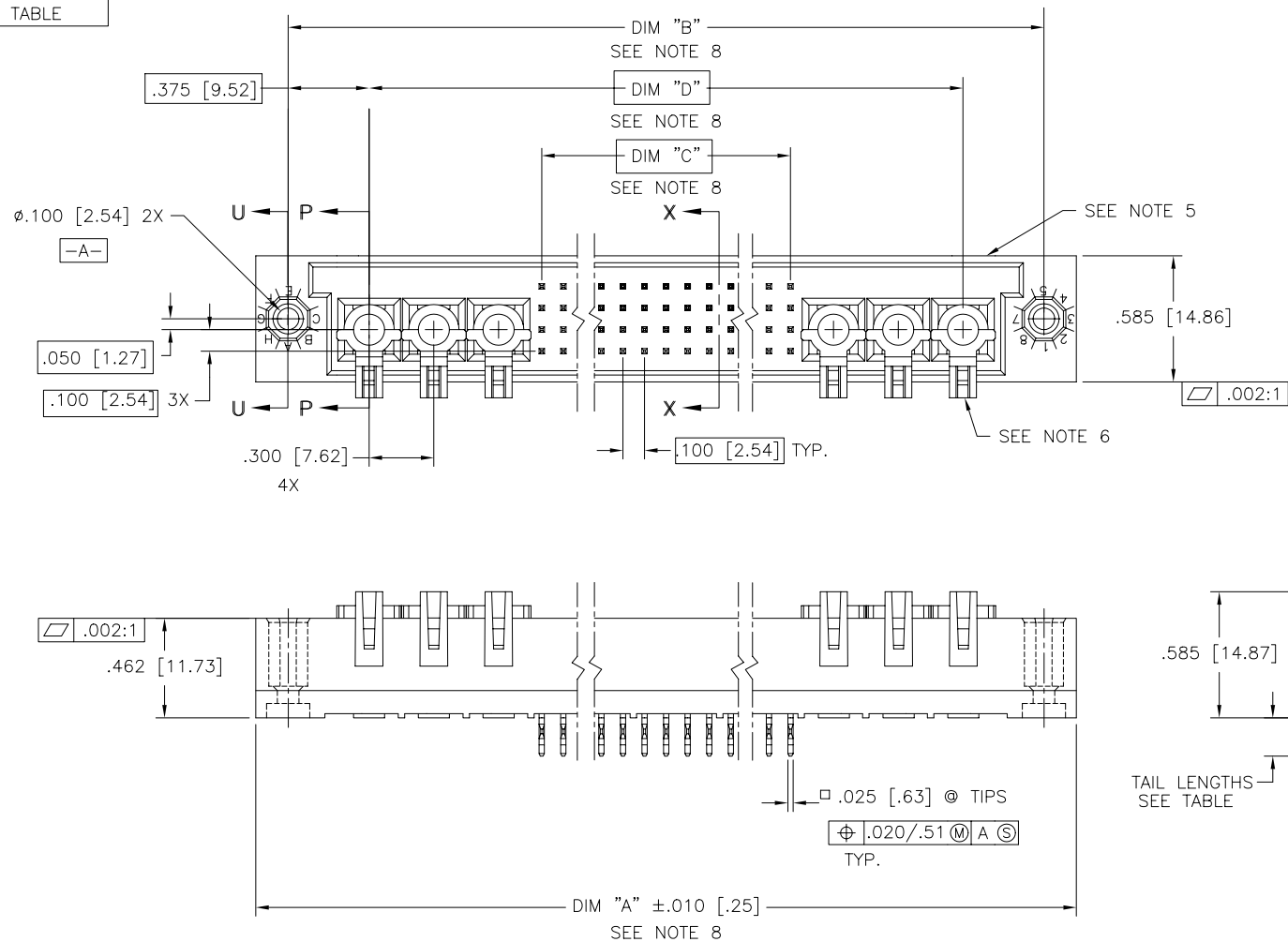




FCIconnect.com

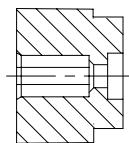
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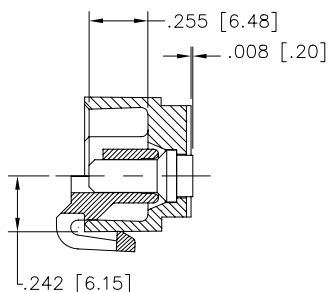


|                           |          |     |          |                       |                                       |                       |                               |
|---------------------------|----------|-----|----------|-----------------------|---------------------------------------|-----------------------|-------------------------------|
| mat'l. code<br>SEE NOTE 3 |          |     |          | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101      | projection<br>INCH/MM | product family<br>HPC         |
| ltr                       | ecn      | no  | dr       | date                  | tolerances unless otherwise specified |                       | title                         |
| E                         | v92856   | HTB | 8/30/99  |                       | angles                                | .XX ±.01/.3           | 4 ROW VERTICAL HEADER         |
| F                         | v00273   | JWS | 2/01/00  |                       | linear                                | .XXX ±.005/.13        | PRESS FIT, 0 G. P., 6 P.P.    |
| G                         | v05-0418 | DAI | 5/12/05  |                       | σ±2°                                  | .XXXX ±.0020/.051     | scale 1:1                     |
| H                         | v05-0626 | HTB | 7/06/05  | dr                    | D. SHEAFFER                           | 5/07/92               | dwg no                        |
| J                         | v05-0857 | DCH | 9/06/05  | enr                   | S. CLARK                              | 5/11/92               | sheet 1 of 5 size             |
| K                         | v05-1048 | DAI | 11/15/05 | chr                   | S. CLARK                              | 5/11/92               | 50514 A3                      |
| L                         | M06-0261 | AEA | 7/08/06  | appd                  | S. CLARK                              | 5/11/92               | type Product Customer Drawing |
| sheet                     | revision | L   | L        | L                     | L                                     | L                     |                               |
| index                     | sheet    | 1   | 2        | 3                     | 4                                     | 5                     |                               |

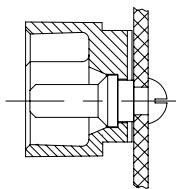
PRODUCT NUMBER  
SEE TABLE



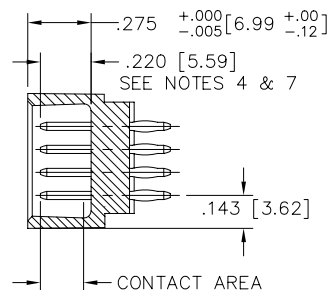
SECTION U-U



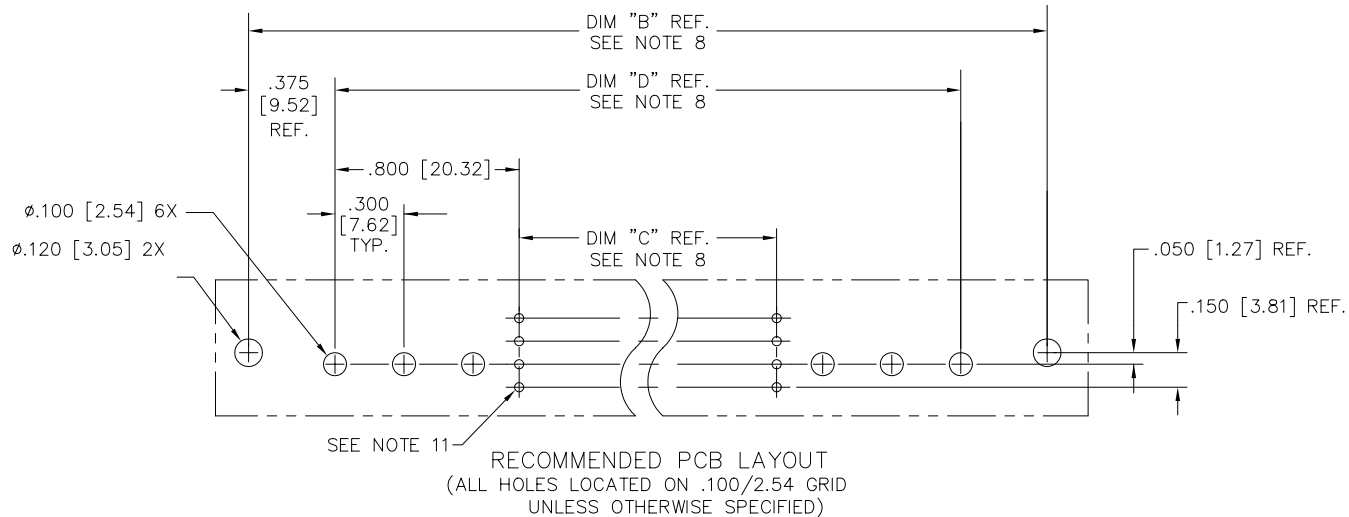
SECTION P-P  
(W/LOCATOR,  
SEE DETAIL P)



DETAIL P  
(INSTALLED IN  
PCB, SEE NOTE 6)

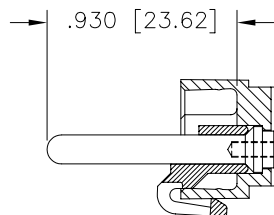


SECTION X-X

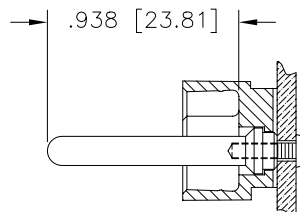


|                           |                |                       |                                  |                                                                           |                                                     |
|---------------------------|----------------|-----------------------|----------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------|
| mat'l. code<br>SEE NOTE 3 |                | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101 | projection<br>INCH/MM                                                     | product family<br>HPC                               |
| ltr                       | ecm no         | dr                    | date                             | tolerances unless otherwise specified                                     | title                                               |
| L                         |                |                       |                                  | angles linear<br>.XX ±.01/.3<br>.XXX ±.005/.13<br>0°±2° .XXXX ±.0020/.051 | 4 ROW VERTICAL HEADER<br>PRESS FIT, 0 G. P., 6 P.P. |
|                           |                |                       |                                  | scale 1:1                                                                 | dwg no                                              |
|                           |                | dr                    | D. SHEAFFER 5/07/92              |                                                                           | sheet 2 of 5 size                                   |
|                           |                | enr                   | S. CLARK 5/11/92                 |                                                                           | 50514 A3                                            |
|                           |                | chr                   | S. CLARK 5/11/92                 |                                                                           |                                                     |
|                           |                | appd                  | S. CLARK 5/11/92                 |                                                                           |                                                     |
| sheet index               | revision sheet |                       |                                  |                                                                           | type Product Customer Drawing                       |

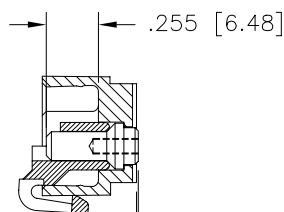
Diagram illustrating the connection between the cable and the cable jacket, showing the mating length and tail length. The mating length is the distance from the end of the cable jacket to the end of the cable. The tail length is the distance from the end of the cable jacket to the end of the cable jacket.



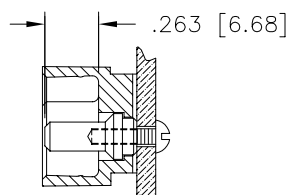
SECTION Z-Z



SECTION Z-Z  
(INSTALLED)



SECTION W-W



SECTION W-W  
(INSTALLED)

NOTES: FOR LOAD PATTERN 50514-XX001, 50514-XX001LF,  
50514-XX001B AND 50514-X001BLF ONLY:

1. (58) POSITIONS SHOWN BLANK ARE LOADED WITH ITEM "1", FROM TABLE BELOW.
2. COLUMN 1 ROW A IS DESIGNATED AS PIN 1. VIEWED FROM THE MATING FACE.

③ SHIPPING INSTRUCTIONS:

X PC(S) OF 50514-XX001  
PACKAGED PER BUS-14-143 AND  
SPECIAL PACKAGING REQUIREMENTS:

2X PCS OF 77549-004  
PLASTIC ORIENTATION KEY-  
TOTAL QTY. BAGGED SEPARATELY  
W/ALL OF THE ABOVE TO BE  
PACKED IN THE SAME BOX.

4. POWER PIN LOCATOR (REF. 50234) TO BE REMOVED AFTER BOARD INSTALLATION.

## SELECT LOAD

LOAD PATTERN FOR 50514-XX001, -XX001LF,  
50514-XX001B, AND -XX001BLF

| ITEM | SIZE-4X15+6P | NUMBER OF POSITIONS-60S+6P | POSITIONS LOADED-60S+6P    |             |
|------|--------------|----------------------------|----------------------------|-------------|
|      | QTY.         | PART NAME                  | MATING LENGTH              | TAIL LENGTH |
| 1    | 58           | SIGNAL PIN                 | .260/6.6                   | .250/6.35   |
| 2    | 2            | SIGNAL PIN                 | .220/5.59                  | .250/6.35   |
| 3    | 5            | POWER PIN                  | .263/6.68                  | N/A         |
| 4    | 1            | POWER PIN                  | .938/23.83                 | N/A         |
| 5    | 2            | LOCATOR                    | NOT-ASSEMBLED - SEE NOTE 3 |             |

|                           |  |          |  |                                       |  |                                                    |  |                                                                                                     |  |                                                              |  |  |  |
|---------------------------|--|----------|--|---------------------------------------|--|----------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------|--|--|--|
| mat'l. code<br>SEE NOTE 3 |  |          |  | surface<br>ISO 1302 ✓                 |  | 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>    |  | title<br>4 ROW VERTICAL HEADER<br>PRESS FIT, 0 G. P., 6 P.P. |  |  |  |
| L                         |  |          |  | angles<br>linear                      |  | .xx ±.01/.3<br>.xxx ±.005/.13<br>.0xxx ±.0020/.051 |  |                                                                                                     |  |                                                              |  |  |  |
|                           |  |          |  | 0°±2'                                 |  |                                                    |  | scale 1:1                                                                                           |  | dwg no sheet 3 of 5 size                                     |  |  |  |
|                           |  |          |  | dr D. SHEAFFER                        |  | 5/07/92                                            |  |                |  | 50514 A.                                                     |  |  |  |
|                           |  |          |  | enr S. CLARK                          |  | 5/11/92                                            |  |                                                                                                     |  |                                                              |  |  |  |
|                           |  |          |  | chr S. CLARK                          |  | 5/11/92                                            |  |                                                                                                     |  |                                                              |  |  |  |
|                           |  |          |  | appd S. CLARK                         |  | 5/11/92                                            |  |                                                                                                     |  |                                                              |  |  |  |
| sheet index               |  | revision |  |                                       |  |                                                    |  |                                                                                                     |  | type Product Customer Drawing                                |  |  |  |
| sheet                     |  | sheet    |  |                                       |  |                                                    |  |                                                                                                     |  |                                                              |  |  |  |

Diagram illustrating the assembly details for Section Y-Y. The diagram shows the mating length (indicated by a dimension line and arrow) and the tail length (indicated by a dimension line and arrow). The text "MATING LENGTH SEE TABLE BELOW" and "TAIL LENGTH" are present. The diagram also shows the cable assembly with multiple conductors and a shield.

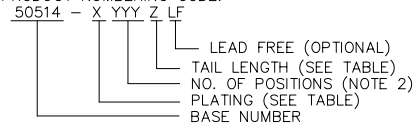
2. COLUMN 1 ROW A IS DESIGNATED AS  
PIN 1, VIEWED FROM THE MATING FACE.

[illegible]

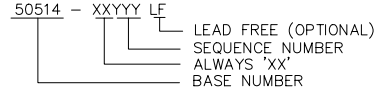
| PRODUCT NUMBER<br>SEE NOTE 1 & 9 | NUMBER<br>OF POSITIONS<br>SEE NOTE 2 | TAIL LENGTH<br>REF. | CONTACT<br>PLATING |
|----------------------------------|--------------------------------------|---------------------|--------------------|
| 50514-1YYYA                      | YYY                                  | .177/4.50           | 30u"/0.76μ Au      |
| 50514-1YYYG                      | YYY                                  | .250/6.35           | 30u"/0.76μ Au      |
| 50514-5YYYA                      | YYY                                  | .177/4.50           | 30u"/0.76μ GXT     |
| 50514-5YYYALF                    | YYY                                  | .177/4.50           | 30u"/0.76μ GXT     |
| 50514-5YYYG                      | YYY                                  | .250/6.35           | 30u"/0.76μ GXT     |
| 50514-5YYYGLF                    | YYY                                  | .250/6.35           | 30u"/0.76μ GXT     |
| 50514-XX001                      | SEE SHEET 3                          | SEE SHEET 3         | 30u"/0.76μ Au      |
| 50514-XX001LF                    | SEE SHEET 3                          | SEE SHEET 3         | 30u"/0.76μ GXT     |
| 50514-XX001B                     | SEE SHEET 3                          | SEE SHEET 3         | 30u"/0.76μ Au      |
| 50514-XX001BLF                   | SEE SHEET 3                          | SEE SHEET 3         | 30u"/0.76μ GXT     |
| 50514-XX008                      | SEE SHEET 4                          | SEE SHEET 4         | 30u"/0.76μ Au      |
| 50514-XX008LF                    | SEE SHEET 4                          | SEE SHEET 4         | 30u"/0.76μ GXT     |

NOTES:

- ①. PRODUCT NUMBERING CODE:



PRODUCT NUMBERING CODE FOR  
SELECT LOAD PART NUMBERS:



- 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. MATERIAL:  
HOUSING: GLASS FILLED AND MINERAL FILLED HIGH TEMP THERMOPLASTIC,  
FLAME RETARDANT PER UL-94V-0  
COLOR: BLACK  
TERMINALS: PHOS BRONZE
- ④. TO ASSURE PROPER INSTALLATION, TOOLING AS SPECIFIED IN INSTRUCTION MANUAL 155918-001 MUST BE USED. PIN MATING LENGTH WILL BE  $\pm 0.002(0.05)$  AFTER INSTALLATION.
- ⑤. MANUFACTURERS NAME, PART NUMBER, AND LOT CODE TO APPEAR ON THIS SURFACE PER BUS-12-108.
- ⑥. POWER PIN LOCATOR (REF 50234) IS TO BE REMOVED AFTER INSTALLATION.
- ⑦. REFER TO 50804 FOR F.M.L.B. OPTIONS AND WORKSHEETS.
- ⑧. LENGTH CALCULATIONS:  
DIM "A" CALCULATION =  $.100(2.54) \times \text{NO. OF COLUMNS} + 2.55 (64.8)$   
DIM "B" CALCULATION =  $.100(2.54) \times \text{NO. OF COLUMNS} + 2.250 (57.15)$   
DIM "C" CALCULATION =  $.100(2.54) \times \text{NO. OF COLUMNS} - .100 (2.54)$   
DIM "D" CALCULATION =  $.100(2.54) \times \text{NO. OF COLUMNS} + 1.500 (38.10)$

- ⑨. THIS PRODUCT (WITH "LF" SUFFIX) MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
10. THIS HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ⑪. PCB HOLES FOR PRESS FIT TERMINALS SHOULD BE DRILLED TO  $.0453(1.151)$  DIA. AND PLATED WITH  $.0003(.007)$  MIN Sn OR SnPb OVER  $.001(.03)$  TO  $.003(0.76)$  Cu PLATING TO ACHIEVE A  $.040 \pm .003(1.02 \pm .08)$  FINISHED HOLE.

|                           |                |    |                       |                                  |                                       |                          |                                                              |                          |
|---------------------------|----------------|----|-----------------------|----------------------------------|---------------------------------------|--------------------------|--------------------------------------------------------------|--------------------------|
| mat'l. code<br>SEE NOTE 3 |                |    | surface<br>ISO 1302 ✓ | tolerance<br>ISO 406<br>ISO 1101 | projection<br>                        | product family<br>HPC    |                                                              |                          |
| ltr                       | ecr            | no | dr                    | date                             | tolerances unless otherwise specified | INCH/MM<br>scale 1:1<br> | title<br>4 ROW VERTICAL HEADER<br>PRESS FIT, 0 G. P., 6 P.P. |                          |
| L                         |                |    |                       |                                  | angles linear .XX ±.01/.3             |                          |                                                              |                          |
|                           |                |    |                       |                                  | .XXX ±.005/.13                        |                          |                                                              |                          |
|                           |                |    |                       |                                  | 0°±2° .XXXX ±.0020/.051               |                          |                                                              |                          |
|                           |                |    | dr                    | D. SHEAFFER                      | 5/07/92                               |                          | dwg no                                                       | sheet 5 of 5 size        |
|                           |                |    | enr                   | S. CLARK                         | 5/11/92                               |                          | 50514                                                        | A3                       |
|                           |                |    | chr                   | S. CLARK                         | 5/11/92                               |                          |                                                              |                          |
|                           |                |    | appd                  | S. CLARK                         | 5/11/92                               |                          |                                                              |                          |
| sheet index               | revision sheet |    |                       |                                  |                                       |                          | type                                                         | Product Customer Drawing |

form: A3

## Данный компонент на территории Российской Федерации

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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