



Copyright FCI.

A

B

C

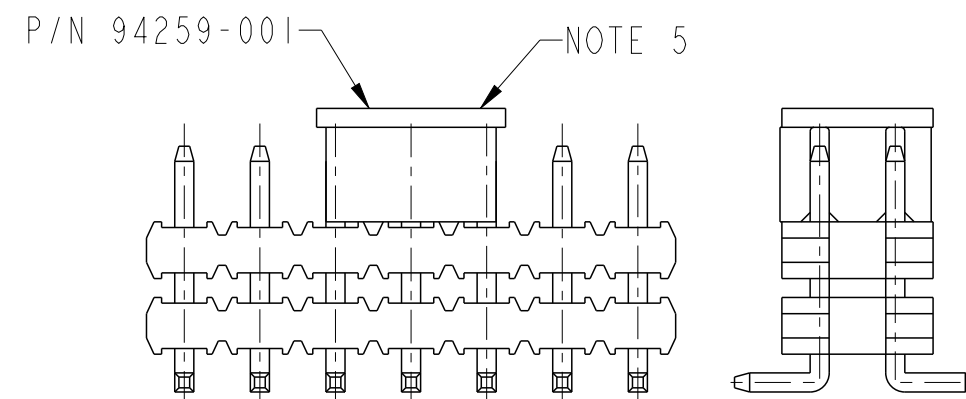
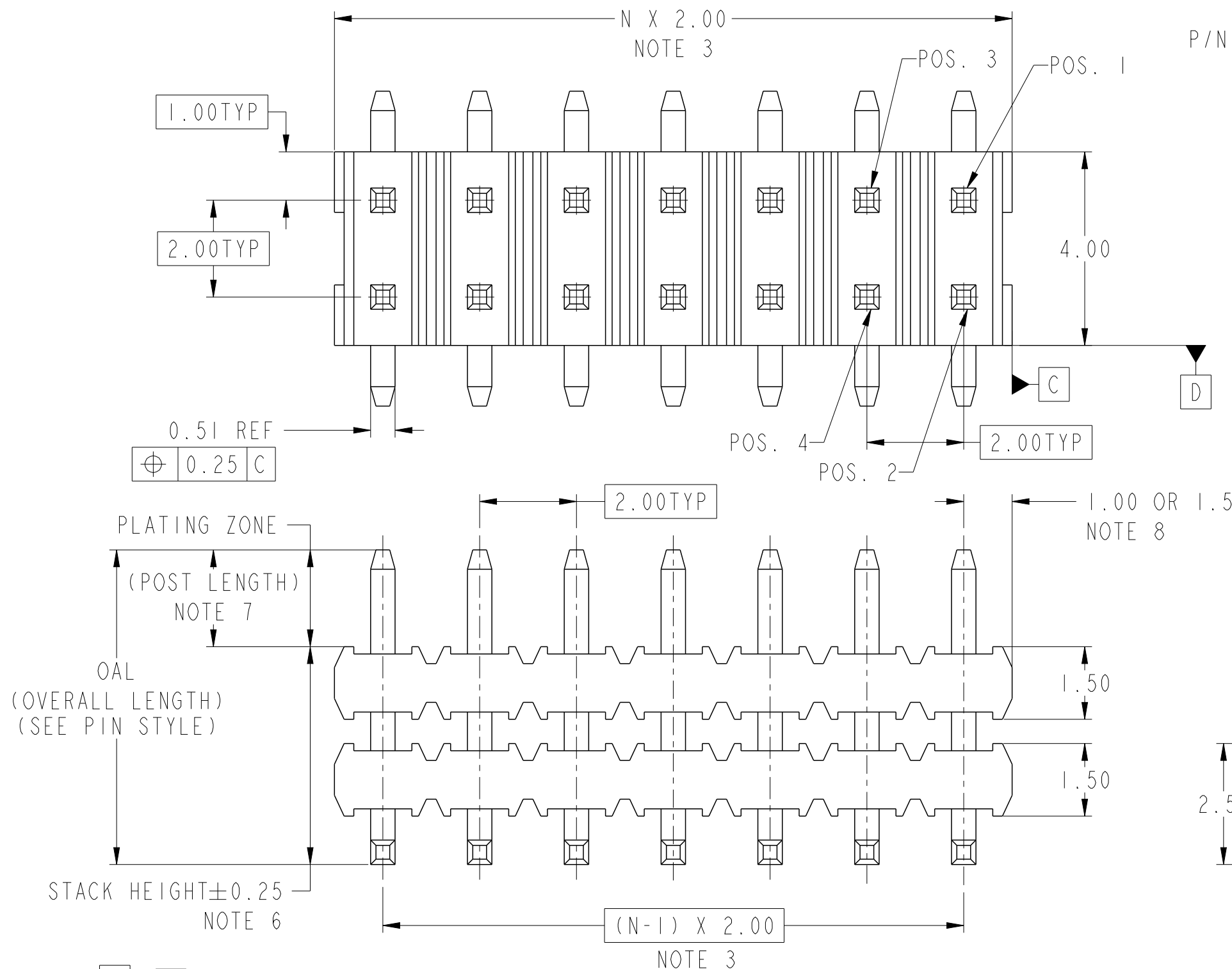
D

A

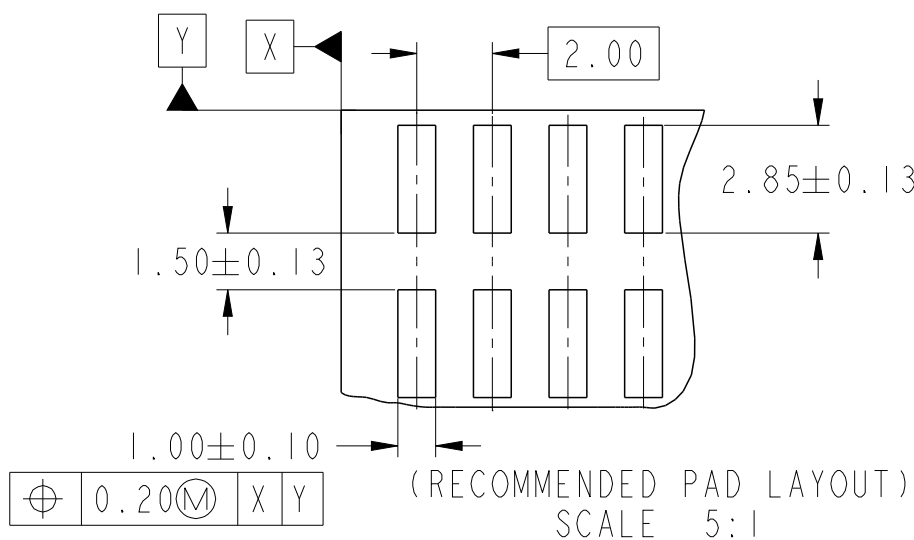
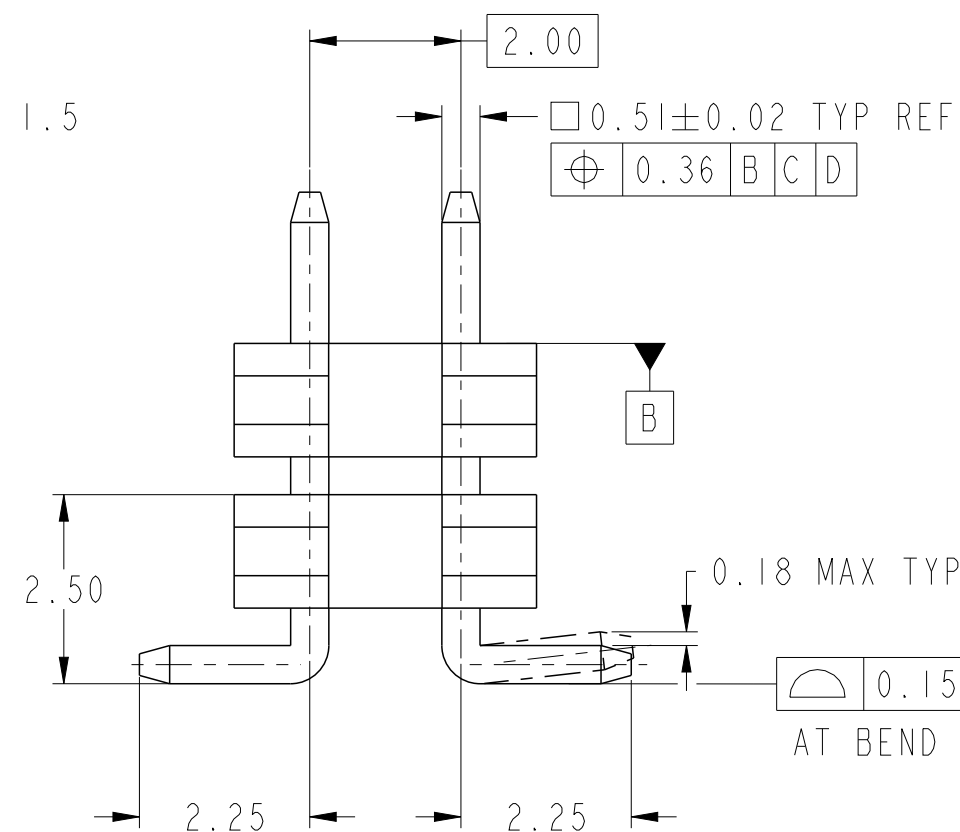
B

C

D



PICK-UP CAP  
(OPTIONAL)  
SCALE 5:1



|               |                     |      |                        |              |                |         |        |               |           |          |
|---------------|---------------------|------|------------------------|--------------|----------------|---------|--------|---------------|-----------|----------|
| spec ref      | -                   | dr   | wcadmin                | 2010/11/01   | projection     | MM      | size   | A3            | scale     | 10:1     |
| tolerance std | ISO 406<br>ISO 1101 | eng  | Guo-Min Sun            | 2014/04/01   | chr            | -       | ecn no | ELX-N-17365-1 | rel level | Released |
| surface       | ✓                   | appr | Rick Bian              | 2014/04/02   | product family | MINITEK | dwg no | 59202         | rev       | M        |
| ISO 1302      | linear              | 0.X  | ±0.5                   | 0.XX         | ±0.25          | 0.XXX   | ±0.150 | angular       | 0°        | ±3°      |
| www.fci.com   | cat. no.            | -    | Product - Customer Drw | sheet 1 of 2 |                |         |        |               |           |          |

DETAIL PRODUCT NUMBER

PRODUCT NUMBER DESCRIPTION:

59202 - X XX - XX - XXXLF

LEAD FREE.  
SEE NOTE 9

STACKER HEIGHT  
SEE NOTE 6

PACKAGING: - = STANDARD  
(SEE NOTE 5) U = TUBE  
P = TUBE WITH PICK-UP CAP  
A = TAPE & REEL WITH  
PICK-UP CAP

POSITIONS PER ROW = "N"  
(02 to 25)

PLATING  
S=0.38um GOLD  
ON CONTACT AREA  
0.38um GOLD  
ON TAIL

G=0.76um GOLD  
ON CONTACT AREA  
0.76um GOLD  
ON TAIL

F=0.20um GOLD  
ON CONTACT AREA  
0.20um GOLD  
ON TAIL

T=0.76um GOLD ON CONTACT AREA  
2.54um 100% MATTE TIN  
ON TAIL

K=0.76um GXT ON CONTACT AREA  
2.54um 100% MATTE TIN  
ON TAIL

H=GOLD FLASH ON CONTACT AREA  
2.54um 100% MATTE TIN  
ON TAIL

M=2.54um MATTE TIN ON CONTACT AREA  
2.54um 100% MATTE TIN  
ON TAIL

| PIN STYLE | OAL  |
|-----------|------|
| 22        | 06.5 |
| 24        | 07.9 |
| 26        | 08.5 |
| 28        | 10.1 |
| 30        | 11.9 |
| 32        | 12.4 |
| 34        | 13.9 |
| 36        | 15.5 |
| 38        | 17.4 |
| 40        | 19.4 |

NOTES:

1. MATERIAL HOUSING: HIGH TEMPERATURE THERMOPLASTIC.  
UL 94V-0, COLOR BLACK.

2. MATERIAL TERMINAL: COPPER ALLOY.

3. TO DETERMINE DIMENSIONS:  
N = NUMBER OF POSITIONS PER ROW.  
EX. :10 POS., N x 2.00 = 20.00 TOTAL POSITIONS.

4. 0.9Kg MIN. PIN RETENTION IN EITHER DIRECTION.

5. PACKAGING:  
(A) STANDARD PACKAGING IN POLY BAGS.  
(B) SPECIAL PACKAGING IN TUBE OR TAPE AND REEL.  
FOR TUBE AN OPTIONAL PICK-UP CAP IS PROVIDED  
IN THE CENTER OF THE PRODUCT FOR PICK AND PLACE  
APPLICATIONS. PICK-UP CAP IS STANDARD IN TAPE  
AND REEL. FOR ALL SPECIAL PACKAGING, FCI MUST BE  
CONTACTED FOR AVAILABILITY IN SIZE REQUESTED.

6. STACK HEIGHT IS DETERMINED BY CUSTOMER  
APPLICATION REQUIREMENTS. SPECIFIED IN mm.  
EXAMPLE: 4.7 mm STACK HEIGHT= 59202-XXX-XX-047.  
MINIMUM STACK HEIGHT IS 4.00mm.

7. POST LENGTH IS DETERMINED BY: (OAL)-(STACK HGT.)=POST LGTH.  
MINIMUM MATING LENGTH 2.0mm.

8. DIM 1.0 APPLIES TO MOLDED SIDE(S) ONLY. IF  
SIDE(S) ARE BROKEN, DIM 1.5 MAX APPLIES.

9. P/N:59202-XXXLF IS SAME AS 59202-XXX. THE SUFFIX 'LF'  
IS ADDED JUST FOR EASY LEAD FREE IDENTIFICATION.

10. THE HOUSING WILL WITHSTAND EXPOSURE TO 255°C PEAK  
TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED  
OR VAPOR PHASE REFLOW OVEN.

12. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND  
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

|             |             |                          |                |         |           |               |                        |              |
|-------------|-------------|--------------------------|----------------|---------|-----------|---------------|------------------------|--------------|
| dr          | wcadmin     | 2010/11/01               | projection     | MM      | size      | A3            | scale                  | 10:1         |
| eng         | Guo-Min Sun | 2014/04/01               |                |         | ecn no    | ELX-N-17365-1 |                        |              |
| chr         | -           | -                        |                |         | rel level | Released      |                        |              |
| appr        | Rick Bian   | 2014/04/02               | product family | MINITEK |           |               |                        |              |
|             |             | 2.00MM UNSHROUDED HEADER |                |         | dwg no    | 59202         |                        | rev          |
| www.fci.com |             | cat. no.                 |                |         | -         |               | Product - Customer Drw | sheet 2 of 2 |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## FCI / Amphenol:

[59202-G28-03A051](#) [59202-G28-12-051](#) [59202-S36-25-114](#) [59202-S34-06-150LF](#) [59202-F30-12-084](#) [59202-F32-05-084](#) [59202-F34-25-114](#) [59202-F36-25-114](#) [59202-F36-25-119](#) [59202-F38-05-069](#) [59202-F40-08-174](#) [59202-F40-10-159](#) [59202-F40-20-159](#) [59202-F40-20-174](#) [59202-G26-08-062](#) [59202-G26-12-053](#) [59202-G28-15-060](#) [59202-G28-17-054](#) [59202-G28-25-081](#) [59202-G30-05-078](#) [59202-G30-25-099](#) [59202-G32-25-104](#) [59202-G34-25-119](#) [59202-G36-25-134](#) [59202-G38-20-154](#) [59202-G38-25-154](#) [59202-G40-25-174](#) [59202-S24-08-047](#) [59202-S26-05-058](#) [59202-S26-08-047](#) [59202-S26-20-050](#) [59202-S28-08-047](#) [59202-S34-06-095](#) [59202-S36-25-127](#) [59202-T2404-0850LF](#) [59202-T2804-0850LF](#) [59202-S38-06P635LF](#) [59202-S26-08-053LF](#) [59202-F40-20-166LF](#) [59202-K32-22-064LF](#) [59202-T34-05P046LF](#) [59202T24040850L](#) [59202-T34-05-046LF](#) [59202-G36-05-040LF](#) [59202-T36-05-040LF](#) [59202-G32-10-088LF](#) [59202-G32-05A050LF](#)