



Copyright FCI.

A

B

C

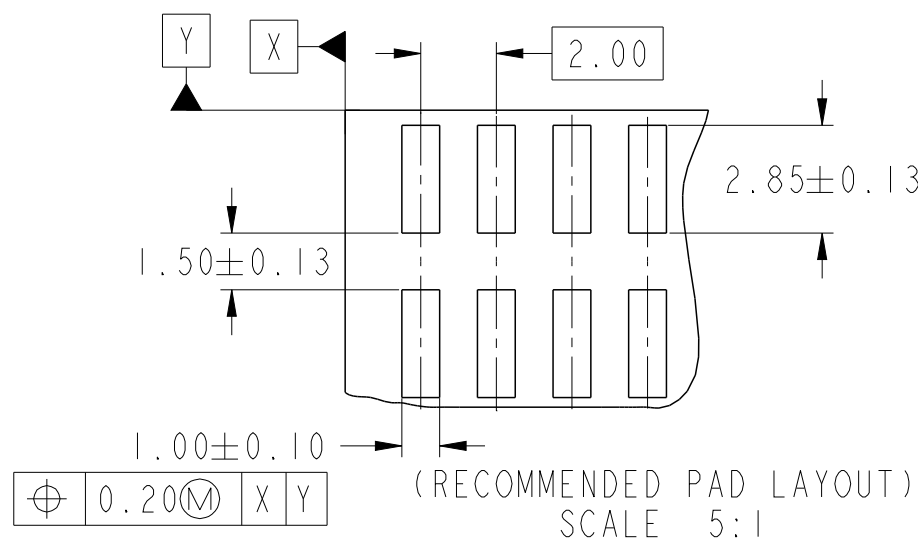
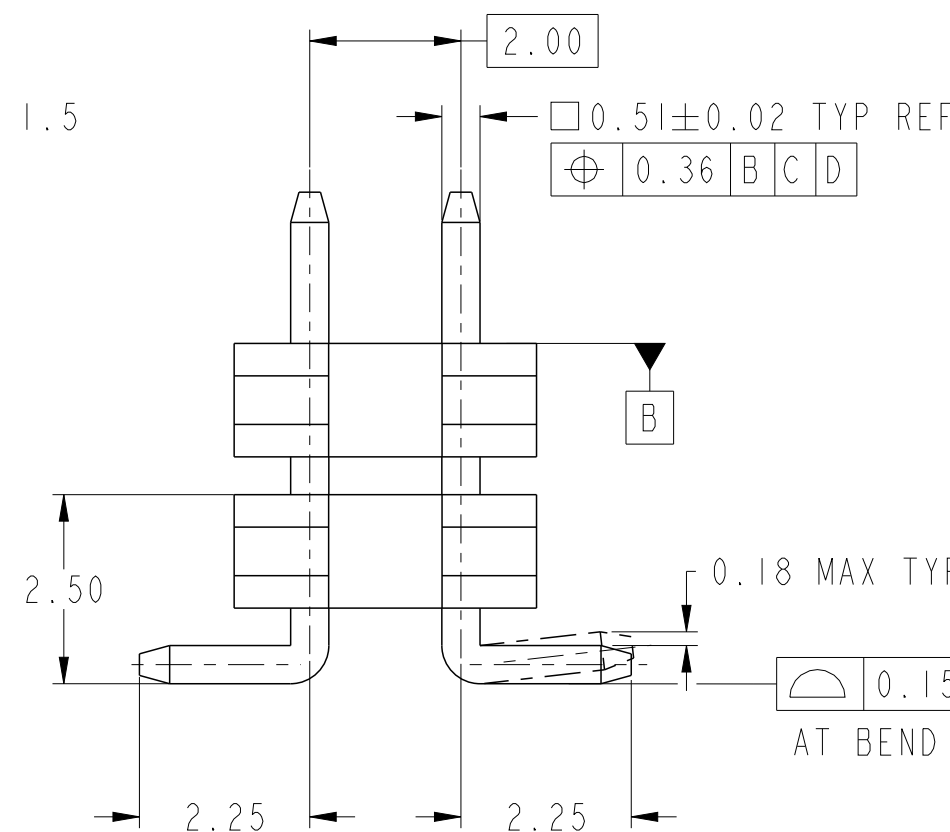
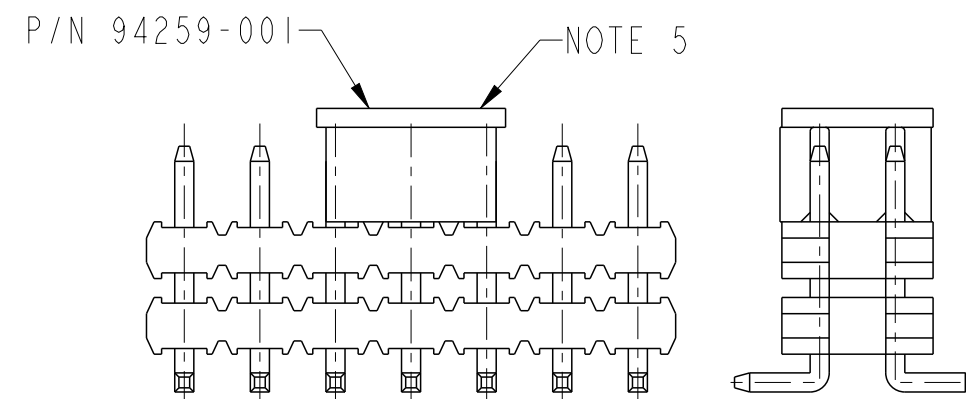
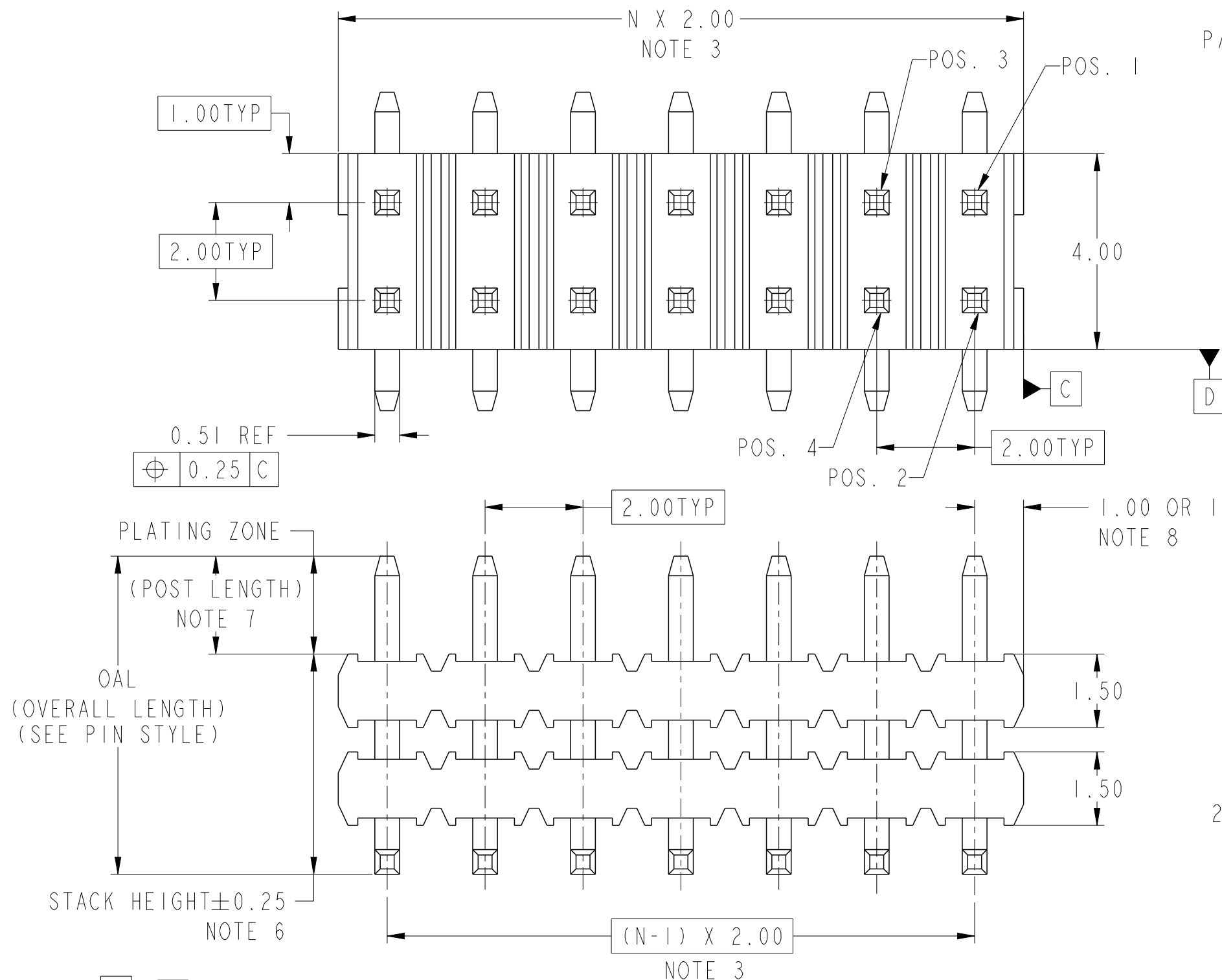
D

A

B

C

D



spec ref	-	dr	wcadmin	2010/11/01	projection	MM	size	A3	scale	10:1
tolerance std	ISO 406 ISO 1101	eng	Guo-Min Sun	2013/07/11	chr	-	ecn no	ELX-N-15213-1	rel level	Released
surface	ISO 1302	appr	Rick Bian	2013/07/11	product family	MINITEK	dwg no	59202	rev	K
TOLERANCES UNLESS OTHERWISE SPECIFIED		linear		0.X	$\pm 0.5$	2.00MM UNSHROUDED HEADER		BOARD TO BOARD SMT		
				0.XX	$\pm 0.25$					
				0.XXX	$\pm 0.150$					
		angular		0°	$\pm 3^\circ$					
		www.fci.com		cat. no.	-	Product - Customer Drw		sheet 1 of 2		



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# 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)

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

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

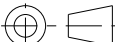


H=GOLD FLASH ON CONTACT AREA  
2.54um 100% MATTE TIN  
ON TAIL

## NOTES:

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

2. MATERIAL TERMINAL: COPPER ALLOY.

- TO DETERMINE DIMENSIONS:  
N = NUMBER OF POSITIONS PER ROW.  
EX. :10 POS., N x 2.00 = 20.00 TOTAL POSITIONS.
- 0.9Kg MIN. PIN RETENTION IN EITHER DIRECTION.
- 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.
- 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.
- POST LENGTH IS DETERMINED BY: (OAL)-(STACK HGT.)=POST LGTH.  
MINIMUM MATING LENGTH 2.0mm.
- DIM 1.0 APPLIES TO MOLDED SIDE(S) ONLY. IF  
SIDE(S) ARE BROKEN, DIM 1.5 MAX APPLIES.
- P/N:59202-XXXLF IS SAME AS 59202-XXX. THE SUFFIX 'LF'  
IS ADDED JUST FOR EASY LEAD FREE IDENTIFICATION.
- THE HOUSING WILL WITHSTAND EXPOSURE TO 255°C PEAK  
TEMPERATURE FOR 10 SECONDS IN A CONVECTION, INFRA-RED  
OR VAPOR PHASE REFLOW OVEN.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND  
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

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chr	-	-			rel level				Released
appr	Rick Bian	2013/07/11	product family		MINITEK				
		title			2.00MM UNSHROUDED HEADER			rev	
		BOARD TO BOARD SMT			59202				K
www.fci.com		cat. no.	-	Product - Customer Drw			sheet 2 of 2		