



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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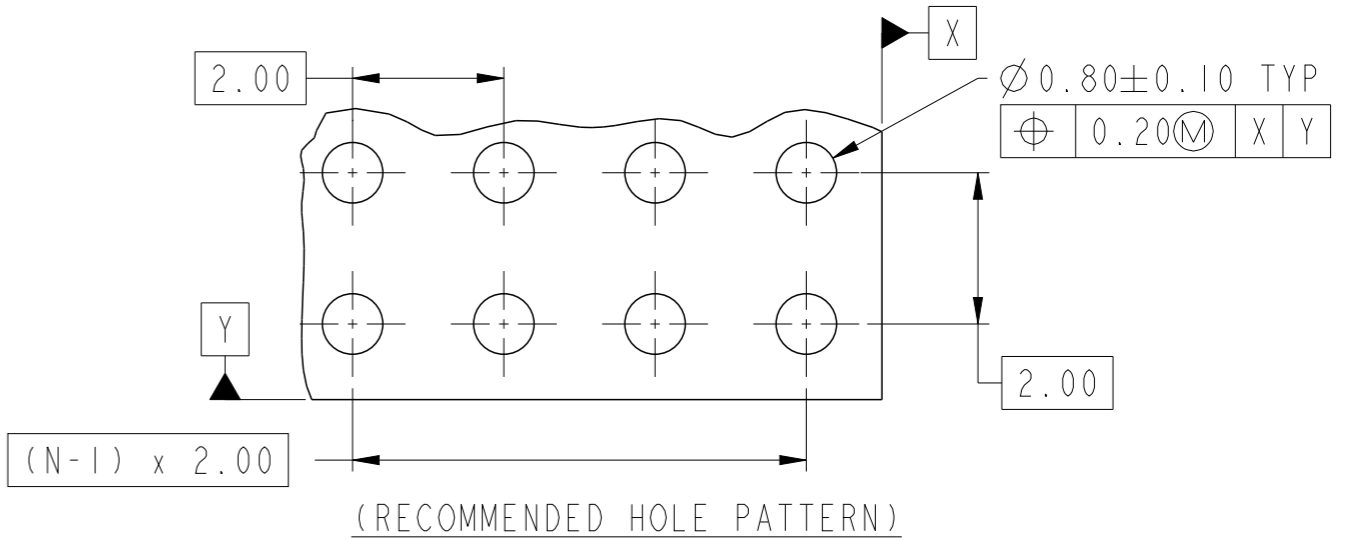
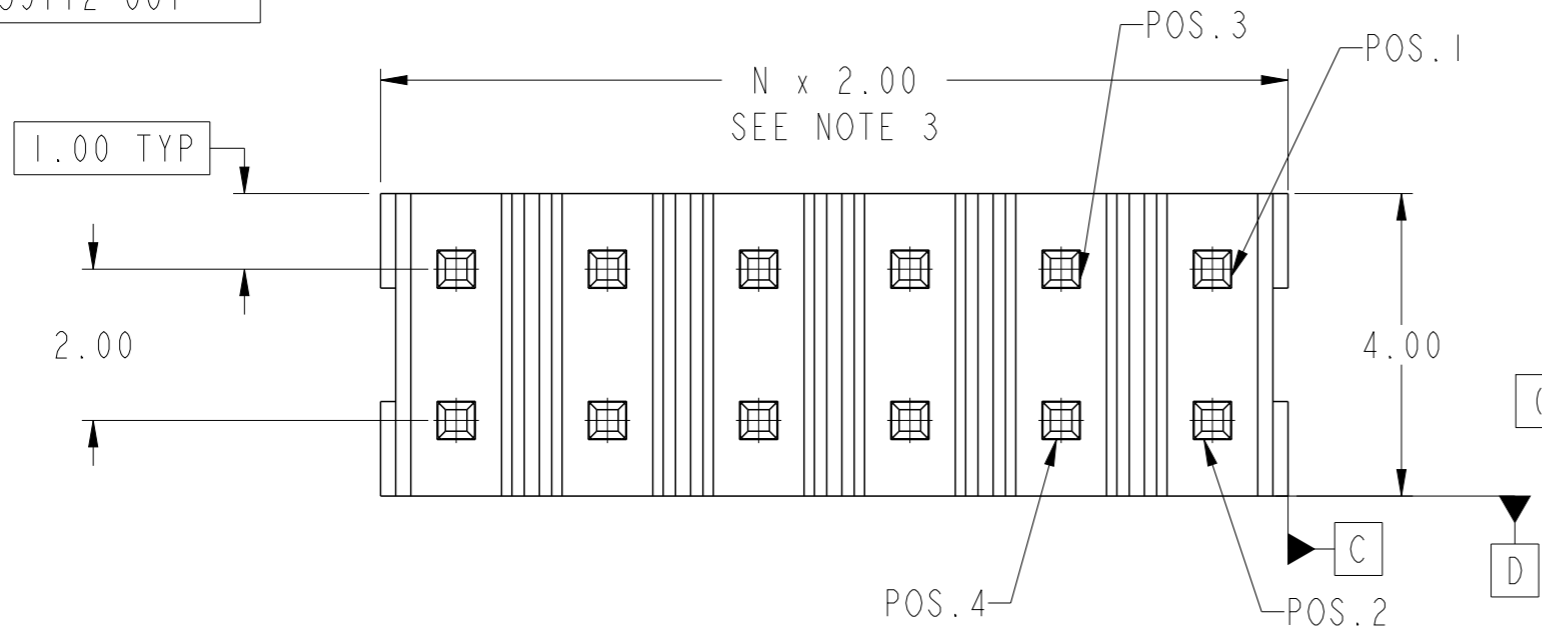
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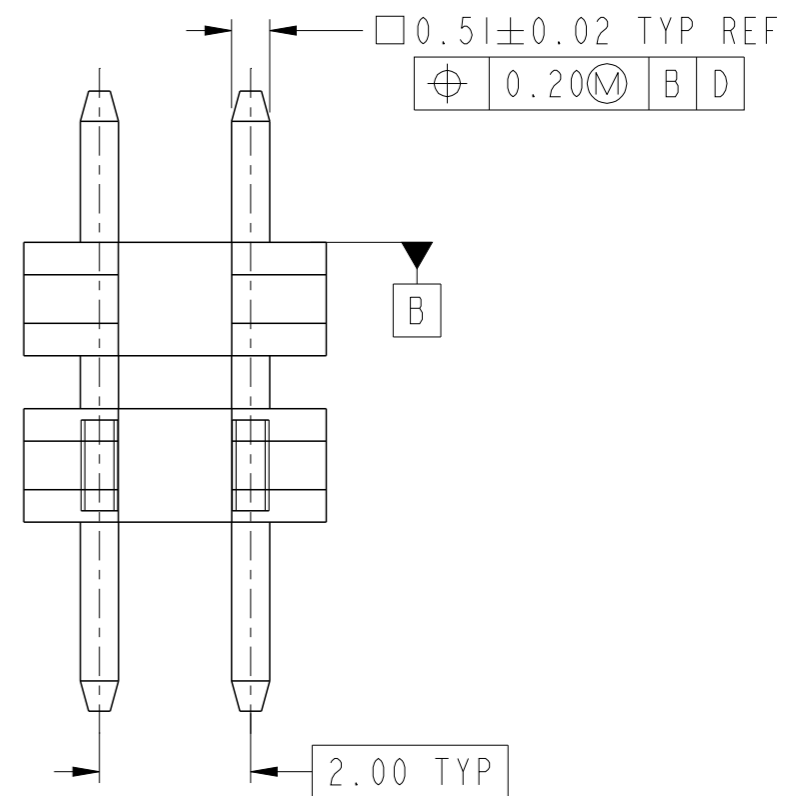
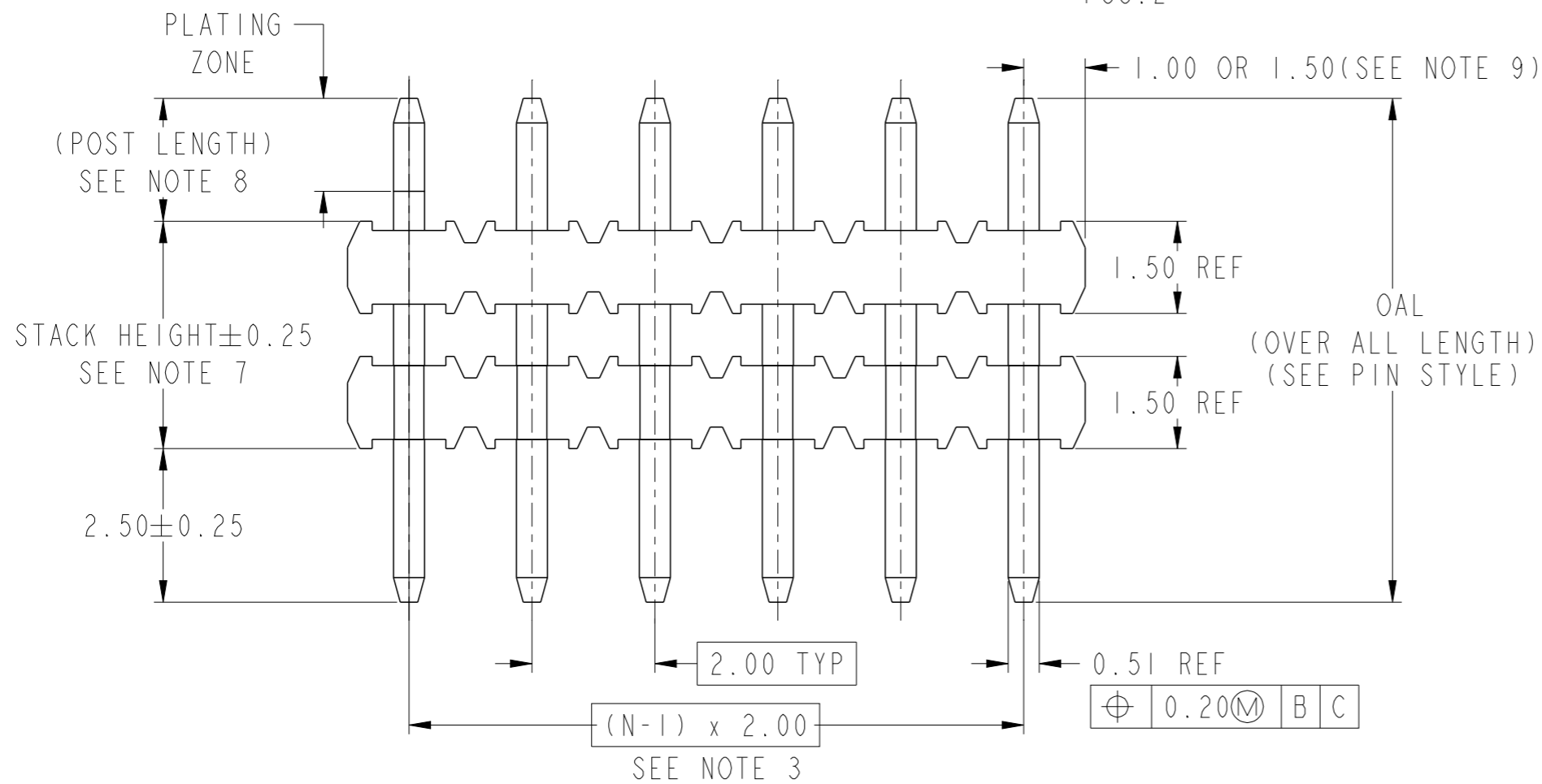


PRODUCT NUMBER
59112-001

A



B



C

D

spec ref	-	dr	wcadmin	2010/10/31	projection	MM	size	A3	scale	10:1	
tolerance std	ISO 406 ISO 1101	eng	Guo-Min Sun	2013/12/12			ecn no	ELX-N-16500-1			
surface	ISO 1302	chr	-	2013/12/12			product family	MINITEK	rel level	Released	
	linear	0.X	±0.5		2.00MM UNSHROUDED HEADER		dwg no 59112	rev		N	
		0.XX	±0.25		BOARD TO BOARD THRU-HOLE						
	angular	0°	±3°		www.fci.com	cat. no.		-	Product - Customer Drw	sheet 1 of 2	

PRODUCT NUMBER

59112-001

PRODUCT NUMBER DESCRIPTION :

59112- X XX - XX - XXX XLF

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

R = 0.38um GXT ON CONTACT AREA
2.54um 100% MATTE TIN ON TAIL

LEAD FREE (SEE NOTE 11)

RETENTION (SEE NOTES 6 & 10)

R: RETENTIVE LEG

STACKER HEIGHT (SEE NOTE 7)

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

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

OMIT FROM PRODUCT NUMBER FOR
LEAD FREE WITH RETENTIVE LEG PRODUCT

PIN STYLE	OAL
22	08.2
24	09.6
26	10.2
28	11.8
30	13.5
32	14.1
34	15.6
36	17.1
38	19.1
40	21.1

6. RETENTION LEG:

2.3kg MAX INSERTION FORCE AND 1 kg MIN RETENTION FORCE PER RETENTIVE PIN USING 1.57 THICK CIRCUIT BOARD AND RECOMMENDED HOLE PATTERN. RETENTIVE LOCATION AT THE DISCRETION OF THE MANUFACTURER. RETENTION IS TWO PINS PER PART ADJACENT TO ONE ANOTHER.

7. STACK HEIGHT IS DETERMINED BY CUSTOMER APPLICATION REQUIREMENTS. SPECIFIED IN mm. EXAMPLE: 3.7mm STACK HEIGHT=59112-XXX-037X.

8. POST LENGTH IS DETERMINED BY: (OAL)-(2.50)-(STACK HGT.)=POST LENGTH. MINIMUM MATING LENGTH TO BE 2.0mm

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

10. OMIT FROM PRODUCT NUMBER IF FEATURE IS NOT APPLICABLE.

11. P/N: 59112-XXXLF IS SAME AS P/N: 59112-XXX. THE SUFFIX 'LF' IS ADDED FOR EASY LEAD FREE IDENTIFICATION.

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

13. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.57MM MINIMUM THICK CIRCUIT BOARD.

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

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 AT 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.



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surface	linear	chr	-	-			rel level		Released		
	angular	appr	Rick Bian	2013/12/12	product family		MINITEK		59112		
	0.X ±0.5 0.XX ±0.25 0.XXX ±0.15			2.00MM UNSHROUDED HEADER		dwg no		59112		rev	N
ISO 1302	0° ±3°	www.fci.com		cat. no.	-		Product - Customer Drw		sheet 2 of 2		