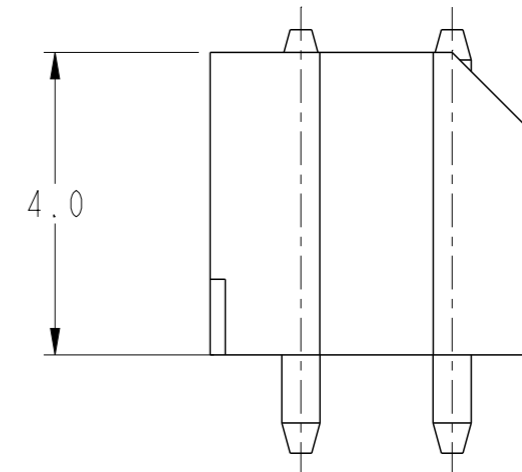
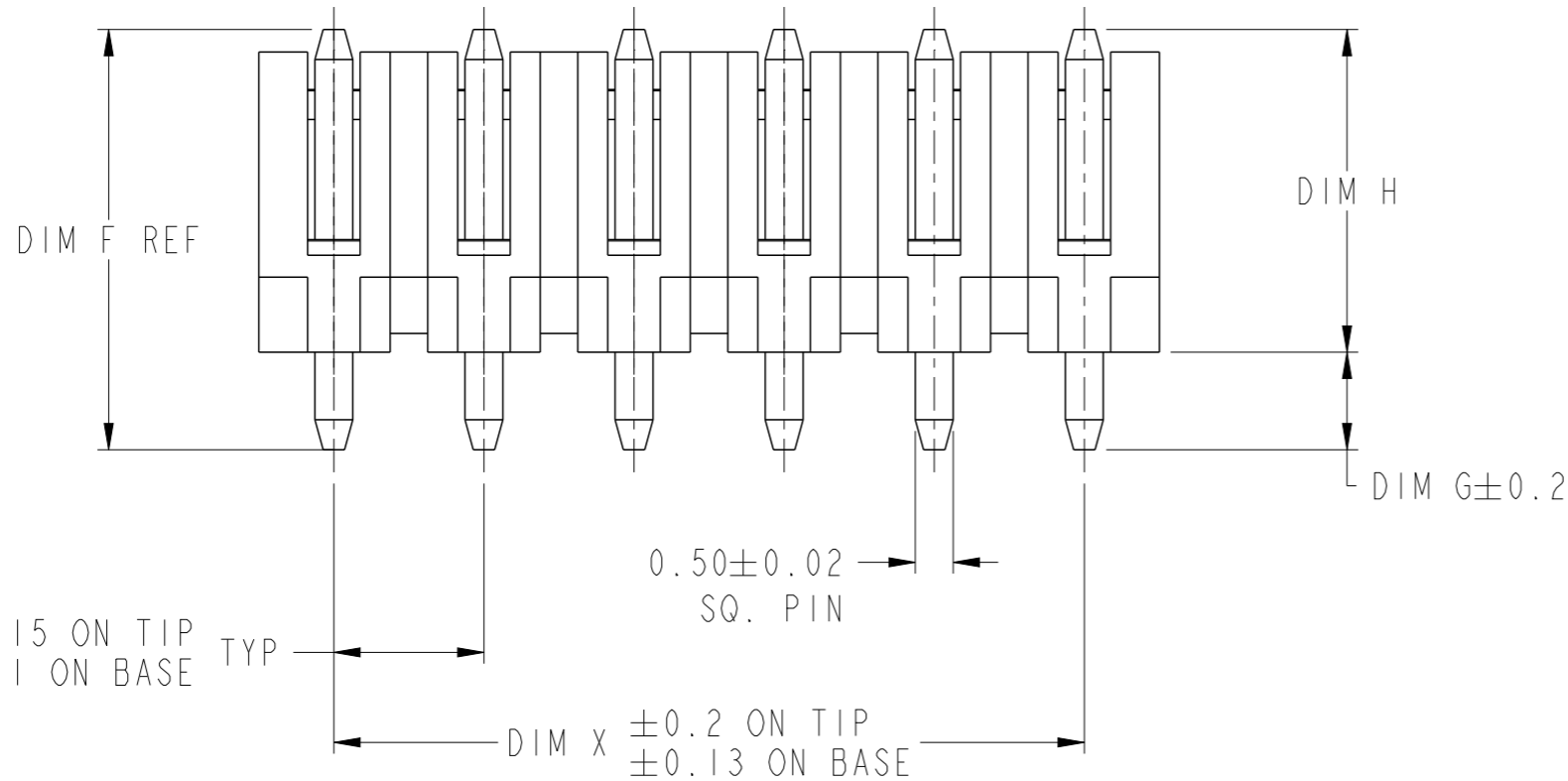


**RECOMMENDED MOUNTING HOLE LAYOUT**



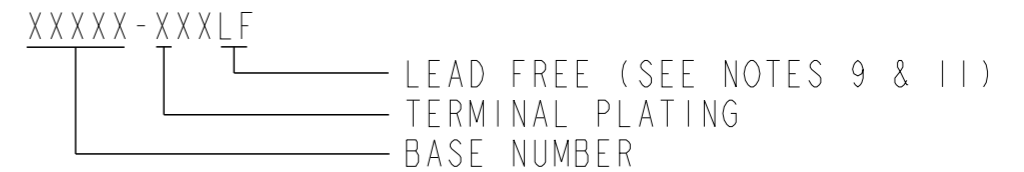
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spec ref	-	dr	Andrew Yong	2010/10/21	projection	MM	size	A3	scale	9:1	
tolerance std	ISO 406 ISO 1101	eng	Guo-Min Sun	2013/09/09			ecn no	ELX-N-15787-1			
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-			rel level	Released			
surface	ISO 1302	appr	Rick Bian	2013/09/09	product family	-	dwg no	87139		rev	AV
	linear			title	MINITEK II 2.0MM HOLDING HEADER		cat. no.		Product - Customer Drw		sheet 1 of 4
	angular	0°	±3°	www.fci.com	-		PDS: Rev :AV		STATUS:Released		Printed: Sep 09, 2013

PRODUCT NO	POS	DIM F	DIM G	DIM H	DIM X	DIM Y	POL. POS	
87139-X01	2 X 6	5.6	1.3	4.3	10	12	-	
-X02	2 X 8	5.6	1.3	4.3	14	16	-	
-X03	2 X 9	5.6	1.3	4.3	16	18	-	
-X04	2 X 9	6.3	2.0	4.3	16	18	-	
-X05	2 X 6	6.3	2.0	4.3	10	12	-	
-X06	2 X 3	6.3	2.0	4.3	4	6	-	
-X07	2 X 5	6.3	2.0	4.3	8	10	-	
-X08	2 X 10	6.3	2.0	4.3	18	20	-	
-X09	2 X 1	— — — OBSOLETED — — —						-
-X10	2 X 8	6.3	2.0	4.3	14	16	-	
-X11	2 X 4	6.3	2.0	4.3	6	8	-	
-X12	2 X 6	6.0	2.5	3.5	10	12	-	
-X13	2 X 10	6.5	2.5	4.0	18	20	-	
-X14	2 X 2	6.5	2.5	4.0	2	4	-	
-X15	2 X 2	5.0	1.5	3.5	2	4	-	
-X16	2 X 2	6.3	2.0	4.3	2	4	4	
-X17	2 X 2	6.3	2.0	4.3	2	4	3,4	
-X18	2 X 2	5.0	1.5	3.5	2	4	3,4	
-X19	2 X 2	6.2	2.7	3.5	2	4	-	
-X20	2 X 4	6.5	2.5	4.0	6	8	-	
-X21	2 X 5	6.5	2.5	4.0	8	10	-	
-X22	2 X 3	5.0	1.5	3.5	4	6	-	
-X23	2 X 7	5.8	2.5	3.3	12	14	-	
-X24	2 X 2	6.3	2.0	4.3	2	4	-	
-X25	2 X 8	5.8	2.5	3.3	14	16	-	

NOTES:

- MATERIAL:  
BODY : G.F NYLON UL94V-0 BLACK  
PIN : PHOSPHOR BRONZE
- TOLERANCE UNLESS OTHERWISE NOTED  $\pm 0.25$
- HEADER BODY TO BE REMOVED AFTER SOLDERING
- PIN TO HOUSING RETENTION FORCE 200 gm MAX.  
PER PIN AFTER SUBJECTION TO SOLDER TEMPERATURE  
AT 260°C FOR 5 sec.
- POLARISED BY OMISSION OF PINS. REFER TO TABLE  
FOR POL. POS
- DIM 1.0 APPLIES TO MOLDED SIDE(S) ONLY. IF  
SIDE(S) ARE SAW, DIM 0.5 MIN APPLIES.
- RECESS APPLIES TO MOLDED SIDE(S) ONLY.
- PRODUCT DESCRIPTION CODE :



- P/N: 87139-XXXLF IS SAME AS P/N: 87139-XXX. THE SUFFIX 'LF' IS ADDED JUST FOR EASY LEAD FREE IDENTIFICATION
- 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.
- THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

dr	Andrew Yong	2010/10/21	projection	MM	size	A3	scale	9:1
eng	Guo-Min Sun	2013/09/09			ecn no			
chr	-	-			ELX-N-15787-1			
appr	Rick Bian	2013/09/09	product family	-	rel level			
			MINITEK II		87139		rev	
www.fci.com			2.0MM HOLDING HEADER		AV			
cat. no.			-		Product - Customer Drw		sheet 2 of 4	



PRODUCT NO	POS	DIM F	DIM G	DIM H	DIM X	DIM Y	POL. POS	4	
								PLATING	DESCRIPTION
87139-X26	2 X 4	5.0	1.5	3.5	6	8	-	0	0.2um Au
-X27	2 X 3	5.6	2.1	3.5	4	6	-	1	0.76um Au
-X28	2 X 4	5.6	2.1	3.5	6	8	-	2	UNASSINGED
-X29	2 X 2	5.6	2.1	3.5	2	4	-	3	0.38um Au
-X30	2 X 5	5.6	2.1	3.5	8	10	-	4	UNASSINGED
-X31	2 X 2	5.6	2.1	3.5	2	4	2,4	5	0.38um GXT
-X32	2 X 5	6.3	2.0	4.3	8	10	3	6	0.76um GXT
-X33	2 X 8	5.6	2.3	3.3	14	16	-		
-X34	2 X 2	6.2	2.5	3.7	2	4	-		
-X35	2 X 4	6.2	2.5	3.7	6	8	-		
-X36	2 X 4	6.2	2.5	3.7	6	8	2,3,4,6,8		
-X37	2 X 2	6.2	2.5	3.7	2	4	1,2,4		
-X38	2 X 7	6.2	2.5	3.7	12	14	11,12,13		
-X39	2 X 2	3.5	1.5	2.0	2	4	-		
-X40	2 X 5	4.3	1.8	2.5	8	10	-		
-X41	2 X 8	6.0	1.7	4.3	14	16	-		
-X42	2 X 6	6.0	1.7	4.3	10	12	1,3,5,7,9,11		
-X43	2 X 10	4.0	2.0	2.0	18	20	-		
-X44	2 X 2	4.4	1.5	2.9	2	4	-		
-X45	2 X 2	4.4	1.5	2.9	2	4	3,4		
-X46	2 X 10	4.5	2.5	2.0	18	20	-		
-X47	2 X 3	3.5	1.5	2.0	4	6	-		
-X48	2 X 2	3.27	1.27	2.0	2	4	-		
-X49	2 X 3	3.27	1.27	2.0	4	6	-		
-X50	2 X 7	5.6	2.3	3.3	12	14	-		

PLATING	DESCRIPTION
0	0.2um Au
1	0.76um Au
2	UNASSINGED
3	0.38um Au
4	UNASSINGED
5	0.38um GXT
6	0.76um GXT



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dr	Andrew Yong	2010/10/21	projection 	MM ←→	size	A3	scale	9:1
eng	Guo-Min Sun	2013/09/09			ecn no	ELX-N-15787-1		
chr	-	-	product family	-	rel level	Released		
appr	Rick Bian	2013/09/09			title	MINITEK II	dwg no	87139
www.fci.com		cat. no.	-		Product - Customer Drw		sheet 3 of 4	

PRODUCT NO	POS	DIM F	DIM G	DIM H	DIM X	DIM Y	POL. POS
87139-X51	2 X 8	5.6	2.3	3.3	14	16	-
-X52	2 X 10	6.3	2.0	4.3	18	20	1, 3, 5, 7, 8, 9, 11, 13, 15, 17, 19
-X53	2 X 9	5.1	1.6	3.5	16	18	7, 8
-X54	2 X 6	3.27	1.27	2.0	10	12	-
-X55	2 X 9	5.0	1.5	3.5	16	18	13
-X56	2 X 3	4.7	1.2	3.5	4	6	-
-X57	2 X 7	5.6	1.3	4.3	12	14	-
-X58	2 X 2	8.0	2.5	5.5	2	4	-
-X59	2 X 6	6.5	2.5	4.0	10	12	-
-X60	2 X 7	6.5	2.5	4.0	12	14	-
-X61	2 X 3	6.0	2.5	3.5	4	6	-
-X62	2 X 4	6.0	2.5	3.5	6	8	-
-X63	2 X 2	6.0	2.5	3.5	2	4	-

A

B

C

D

A

B

C

D



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spec ref	-	dr	Andrew Yong	2010/10/21	projection	MM	size	A3	scale	9:1							
tolerance std	ISO 406 ISO 1101	eng	Guo-Min Sun	2013/09/09			ecn no	ELX-N-15787-1									
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-			rel level	Released									
surface	<input checked="" type="checkbox"/> linear <input type="checkbox"/> angular	0.X	±0.50		MINITEK II 2.0MM HOLDING HEADER	cat. no. -	Product - Customer Drw	sheet 4 of 4	ISO 1302	0.XX	±0.25	www.fci.com	title MINITEK II 2.0MM HOLDING HEADER	dwg no 87139	rev AV		
		0.XXX	±0.15														
		0°	±3°														