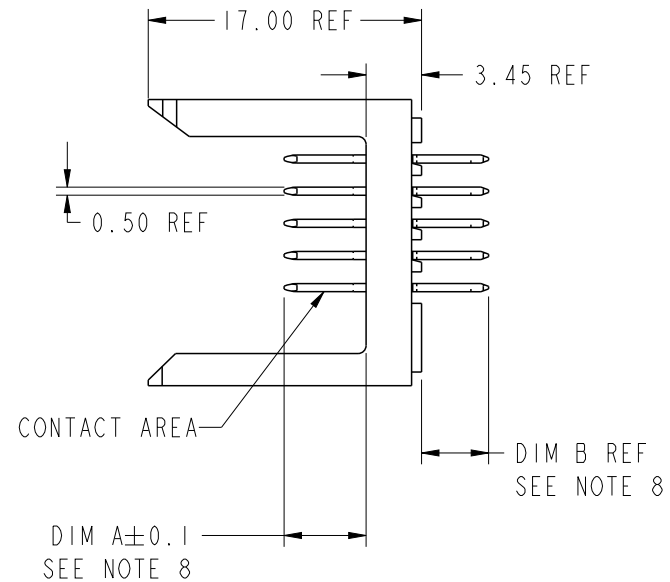
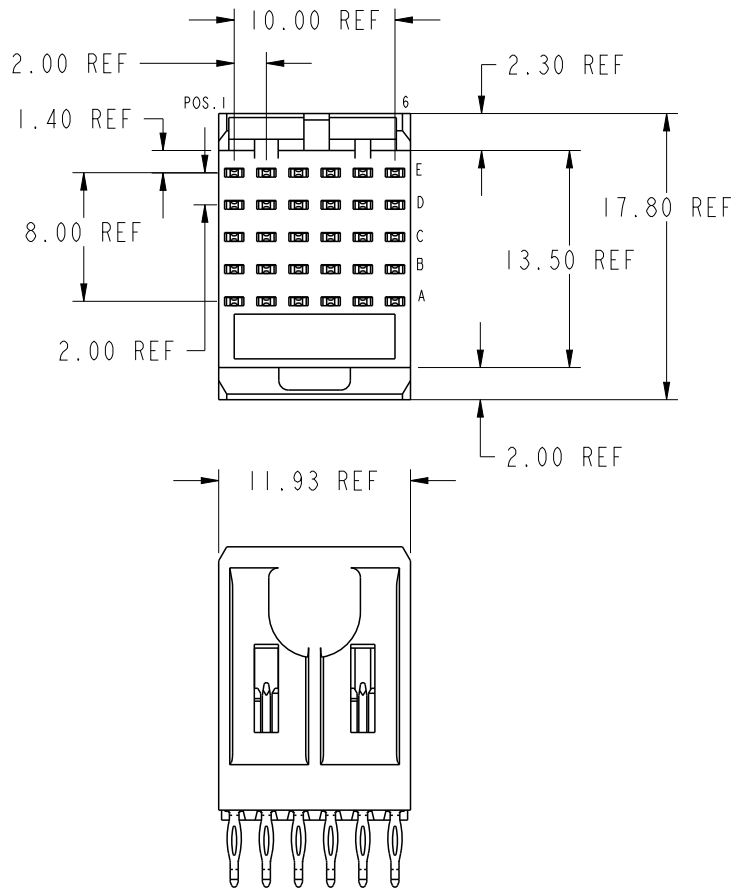




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PRODUCT NUMBER
89006-XYX
89006-XYXLF



rev	ecn no	dr	date
AY	ELX-DG-13476-1	AL	2012-11-15
BA	ELX-DG-14148-1	AL	2013-03-01
BB	ELX-DG-15498-1	AL	2013-08-26
BC	ELX-DG-16654-1	Sky	2014-01-06
-	-	-	-
AV	DG-007842	TAO	2011-11-09
AW	ELX-DG-009301-1	AL	2012-01-04
AX	ELX-DG-011219-1	AL	2012-04-05

spec ref	*	dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	2:1
tolerance std	ISO 406 ISO 1101	eng	Sky Chen	2014/01/08			ecn no	ELX-DG-16654-1		
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Sun Richard	2014/01/08			rel level	Released		
		appr	Pei-Ming Zheng	2014/01/09	product family	METRAL				
surface	3.200 linear				FCI	title	METRAL SIGNAL HEADER	dwg no	89006	rev
							I MOD, 5 ROW PRESS-FIT			BC
ISO 1302	angular				www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 9	

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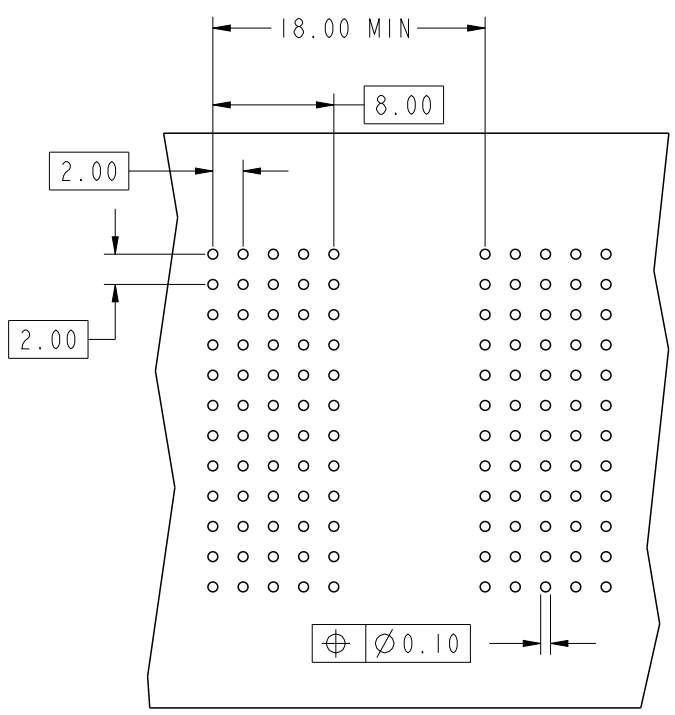
PDS: Rev :BC

STATUS:Released

Printed: Jan 09, 2014

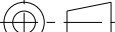


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REQUIRED PC BOARD LAYOUT
COMPONENT SIDE
SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	5.00	4.30
2	5.75	4.30
3	6.50	4.30
4	7.25	4.30
5	5.00	13.60
6	5.75	13.60
7	6.50	13.60
8	7.25	13.60
9	5.00	17.00
10	5.75	17.00
11	6.50	17.00
12	7.25	17.00
13	8.25	4.30
14	8.25	13.60
15	8.25	17.00
16	7.00	4.30
17	7.00	13.60
18	7.00	17.00
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
59	5.00	11.80

spec ref *				dr Terran Huang2010/07/08		projection 	mm 	size A4		scale 2:1	
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Sky Chen2014/01/08				ecn no ELX-DG-16654-1			
				chr Sun Richard2014/01/08				rel level Released			
				appr Pei-Ming Zheng2014/01/09							
						product family METRAL					
surface 3.200linear ISO 1302		0.X	±0.3		title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT				dwg no 89006	rev BC	
		0.XX	±0.13								
		0.XXX	±.050								
	angular	0°	±2°								www.fci.com

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A

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D

METRAL P/N		CONTACT CODE MOD. I					METRAL P/N		CONTACT CODE MOD. I					METRAL P/N		CONTACT CODE MOD. I					METRAL P/N		CONTACT CODE MOD. I					METRAL P/N		CONTACT CODE MOD. I					METRAL P/N		CONTACT CODE MOD. I																
		ROW	1	2	3	4			5	6	ROW	1	2			3	4	5	6	ROW			1	2	3	4	5			6	ROW	1	2	3			4	5	6	ROW	1	2	3	4	5	6							
89006-X61 SEE NOTE 10 LEAD FREE OPTION		E	10	10	10	10	10	10	89006-X65 SEE NOTE 10 LEAD FREE OPTION		E	9	9	9	9	9	9	89006-X69 SEE NOTE 10 LEAD FREE OPTION		E	12	12	12	12	12	12	89006-X73 SEE NOTE 10 LEAD FREE OPTION		E	4	4	4	4	4	4	89006-X77 SEE NOTE 10 LEAD FREE OPTION		E	3	3	3	3	3	3	89006-X81 SEE NOTE 10 LEAD FREE OPTION		E	7	7	7	7	7	7
		D	9	9	9	9	9	9			D	21	21	21	21	21	21			D	11	11	11	11	11	11			D	4	4	4	4	4	4			D	19	19	19	19	19	19			D	20	20	20	20	20	20
		C	10	10	10	10	10	10			C	9	9	9	9	9	9			C	11	11	11	11	11	11			C	4	4	4	4	4	4			C	7	7	7	7	7	7			C	7	7	7	7	7	7
		B	10	10	10	10	10	10			B	21	21	21	21	21	21			B	11	11	11	11	11	11			B	4	4	4	4	4	4			B	3	3	3	3	3	3			B	20	20	20	20	20	20
		A	11	11	11	11	11	11			A	9	9	9	9	9	9			A	21	21	21	21	21	21			A	13	13	13	13	13	13			A	3	3	3	3	3	3			A	7	7	7	7	7	7
89006-X62 SEE NOTE 10 LEAD FREE OPTION		E	10	10	10	10	10	10	89006-X66 SEE NOTE 10 LEAD FREE OPTION		E	10	10	10	10	10	10	89006-X70 SEE NOTE 10 LEAD FREE OPTION		E	2	2	2	2	2	2	89006-X74 SEE NOTE 10 LEAD FREE OPTION		E	13	13	13	13	13	13	89006-X78 SEE NOTE 10 LEAD FREE OPTION		E	13	13	13	13	13	13	89006-X82 SEE NOTE 10 LEAD FREE OPTION		E	20	20	20	20	20	20
		D	12	12	12	12	12	12			D	10	10	10	10	10	10			D	2	2	2	2	2	2			D	4	4	4	4	4	4			D	16	16	16	16	16	16			D	5	5	5	5	5	5
		C	12	12	12	12	12	12			C	12	12	12	12	12	12			C	3	3	3	3	3	3			C	3	3	3	3	3	3			C	2	2	2	2	2	2			C	5	5	5	5	5	5
		B	11	11	11	11	11	11			B	10	10	10	10	10	10			B	2	2	2	2	2	2			B	4	4	4	4	4	4			B	16	16	16	16	16	16			B	5	5	5	5	5	5
		A	12	12	12	12	12	12			A	10	10	10	10	10	10			A	2	2	2	2	2	2			A	13	13	13	13	13	13			A	13	13	13	13	13	13			A	20	20	20	20	20	20
89006-X63 SEE NOTE 10 LEAD FREE OPTION		E	10	10	10	10	10	10	89006-X67 SEE NOTE 10 LEAD FREE OPTION		E	10	10	10	10	10	10	89006-X71 SEE NOTE 10 LEAD FREE OPTION		E	3	3	3	3	3	3	89006-X75 SEE NOTE 10 LEAD FREE OPTION		E	3	3	3	3	3	3	89006-X79 SEE NOTE 10 LEAD FREE OPTION		E	3	3	3	3	3	3	89006-X83 SEE NOTE 10 LEAD FREE OPTION		E	8	8	8	8	8	8
		D	10	10	10	10	10	10			D	11	11	11	11	11	11			D	19	19	19	19	19	19			D	3	3	3	3	3	3			D	3	3	3	3	3	3			D	8	8	8	8	8	8
		C	10	10	10	10	10	10			C	10	10	10	10	10	10			C	3	3	3	3	3	3			C	2	2	2	2	2	2			C	4	4	4	4	4	4			C	8	8	8	8	8	8
		B	10	10	10	10	10	10			B	10	10	10	10	10	10			B	19	19	19	19	19	19			B	3	3	3	3	3	3			B	19	19	19	19	19	19			B	8	8	8	8	8	8
		A	12	12	12	12	12	12			A	11	11	11	11	11	11			A	3	3	3	3	3	3			A	3	3	3	3	3	3			A	4	4	4	4	4	4			A	14	14	14	14	14	14
89006-X64 SEE NOTE 10 LEAD FREE OPTION		E	9	9	9	9	9	9	89006-X68 SEE NOTE 10 LEAD FREE OPTION		E	21	21	21	21	21	21	89006-X72 SEE NOTE 10 LEAD FREE OPTION		E	19	19	19	19	19	19	89006-X76 SEE NOTE 10 LEAD FREE OPTION		E	1	1	1	1	1	1	89006-X80 SEE NOTE 10 LEAD FREE OPTION		E	6	6	6	6	6	6	89006-X84 SEE NOTE 10 LEAD FREE OPTION		E	14	14	14	14	14	14
		D	11	11	11	11	11	11			D	21	21	21	21	21	21			D	1	1	1	1	1	1			D	6	6	6	6	6	6			D	8	8	8	8	8	8									
		C	12	12	12	12	12	12			C	21	21	21	21	21	21			C	1	1	1	1	1	1			C	7	7	7	7	7	7			C	7	7	7	7	7	7									
		B	11	11	11	11	11	11			B	21	21	21	21	21	21			B	1	1	1	1	1	1			B	6	6	6	6	6	6			B	8	8	8	8	8	8									
		A	9	9	9	9	9	9			A	21	21	21	21	21	21			A	19	19	19	19	19	19			A	4	4	4	4	4	4			A	6	6	6	6	6	6			A	14	14	14	14	14	14

spec ref		*		dr		Terran Huang		2010/07/08		projection		mm		size		A4		scale		1:1	
tolerance std		ISO 406		eng		Sky Chen		2014/01/08		chr		Sun Richard		2014/01/08		ecn no		ELX-DG-16654-1			
ISO 1101		TOLERANCES UNLESS OTHERWISE SPECIFIED		appr		Pei-Ming Zheng		2014/01/09		product family		METRAL		rel level		Released					
surface		3.200		0.X		±0.3		FCI		title		METRAL SIGNAL HEADER		dwg no		89006		rev		BC	
ISO 1302		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 5 of 9					

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A

B

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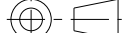
D

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X109 SEE NOTE 10 LEAD FREE OPTION	E	59	59	59	59	59	59
	D	59	59	59	59	59	59
	C	59	59	59	59	59	59
	B	59	59	59	59	59	59
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X110 SEE NOTE 10 LEAD FREE OPTION	E	3	2	2	2	2	2
	D	3	2	2	2	2	2
	C	3	2	2	2	2	2
	B	3	2	2	2	2	2
	A	3	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X111 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	3
	D	2	2	2	2	2	3
	C	2	2	2	2	2	3
	B	2	2	2	2	2	3
	A	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X112 SEE NOTE 10 LEAD FREE OPTION	E	7	6	6	6	6	6
	D	7	6	6	6	6	6
	C	7	6	6	6	6	6
	B	7	6	6	6	6	6
	A	7	6	6	6	6	6

spec ref *				dr Terran Huang 2010/07/08		projection 	mm 	size A4	scale 1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Sky Chen 2014/01/08				ecn no ELX-DG-16654-1	
				chr Sun Richard 2014/01/08					
				appr Pei-Ming Zheng 2014/01/09				product family METRAL	
surface 3.200 linear  ISO 1302		0.X	±0.3	title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT	dwg no 89006	rev BC			
		0.XX	±0.13						
		0.XXX	±.050						
angular 0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 7 of 9		



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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X133 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	1	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X134 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	2
	C	2	2	3	3	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2



spec ref		*		dr	Terran Huang	2010/07/08	projection 		size	A4	scale	1:1	
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sky Chen	2014/01/08			ecn no	ELX-DG-16654-1			
				chr	Sun Richard	2014/01/08							
					appr	Pei-Ming Zheng	2014/01/09	product family		METRAL		rel level	Released
surface 3.200 	linear	0.X	±0.3		title METRAL SIGNAL HEADER I MOD, 5 ROW PRESS-FIT				dwg no	89006		rev	BC
		0.XX	±0.13										
		0.XXX	±.050										
ISO 1302	angular	0°	±2°	www.fci.com	cat. no.		-		Product - Customer Drw		sheet 8 of 9		

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PDS: Rev :BC

STATUS:Released

Printed: Jan 09, 2014



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PRODUCT NUMBER

89006-XYX

89006-XYXLF

NOTES:

1. FOR DIM A AND B SEE SHEET 2 AND UP.

2. BODY MATERIAL: LIQUID CRYSTAL

POLYMER 30 % GLASS.

FLAME RETARDANT ACC. UL 94-V0.

3. PIN MATERIAL:

PHOSPHOR BRONZE.

4. PLATING ON PRESS-FIT TAIL:

73931-XYX IS SnPb

73931-XYXLF IS SN (LEAD FREE)

PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE BELOW.

5. PRODUCT MARKING:

PART NUMBER DESIGNATION & BATCH I.D.

6. ALL PRODUCTS WITH PART NUMBERS SHOWN IN SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES. IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P" WILL BE ADDED TO THE END OF THE PART NUMBER. EXAMPLE: XXXXX-XXXP

7. PRODUCT SPECIFICATION GS-12-180

APPLICATION SPECIFICATION BUS-20-073

8. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.

9. THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING (DRAWING NO.)-N1--- OR (DRAWING NO.)-N5---WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. PART NUMBERS (DRAWING NO.)-N1--- AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140°C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

10. FOR LEAD FREE PART NUMBERS, ADD "LF" SUFFIX. EXAMPLE:89006-X01LF

11. -A PLATING HAS Au FLASH IN PRESS FIT AREA (LEAD FREE)

12. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-AYY	TELCORDIA CO	SEE NOTE 11
-PYY	0.25 um GOLD MIN.	-
-NIYY	TELCORDIA CO (NXT)	-
-N5YY	TELCORDIA UE (NXT)	-
-IYY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-NIYY	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 9
-N5YYLF	TELCORDIA UE (NXT)	SEE NOTE 9
-IYYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF	TELCORDIA UE	SEE NOTE 9

spec ref	*	dr	Terran Huang	2010/07/08	projection		size	A4	scale	1:1	
tolerance std		eng	Sky Chen	2014/01/08			ecn no	ELX-DG-16654-1	rel level	Released	
ISO 406		chr	Sun Richard	2014/01/08							
ISO 1101		appr	Pei-Ming Zheng	2014/01/09	product family	METRAL					
surface	3.200 linear		title	METRAL SIGNAL HEADER	dwg no	89006	rev	BC			
	0.X								±0.3		
	0.XX								±0.13		
	0.XXX	±0.050									
ISO 1302	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 9 of 9			