

PRODUCT NUMBER

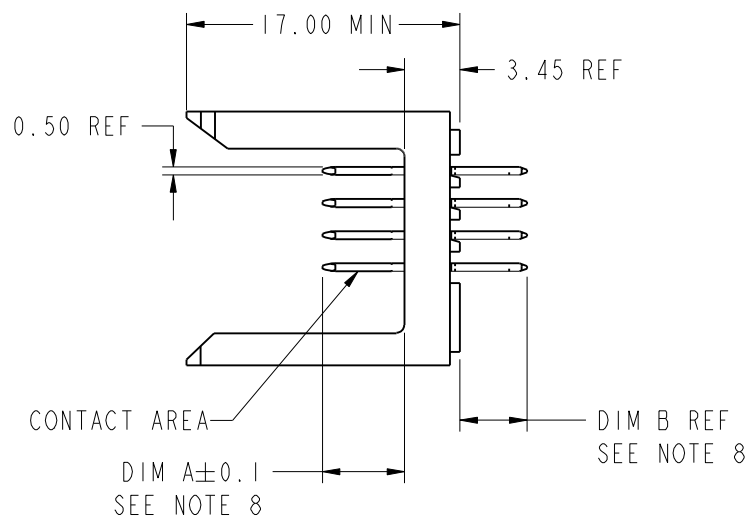
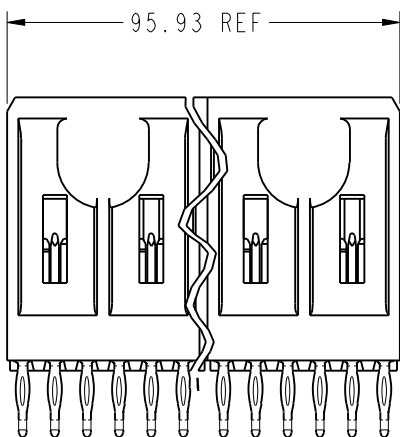
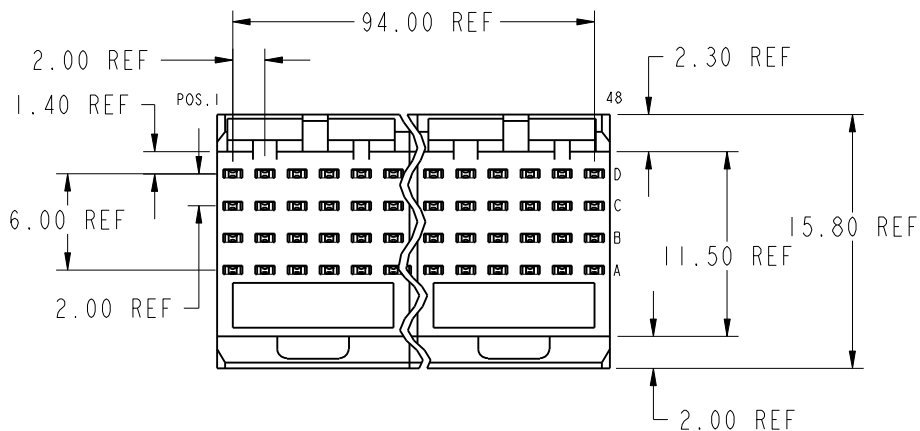
SEE TABLE

A

B

C

D



A

B

C

D

spec ref	*	dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1		
tolerance std	ASME Y14.5	eng	Michael Song	2014/12/02			ecn no	ELX-DG-19567-1				
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Tian-Zhao Lin	2014/12/03			rel level	Released				
surface	✓	appr	Collins Lu	2014/12/03	product family	METRAL		rev				
ASME Y14.5	linear	0.X	±0.3		title	METRAL SIGNAL HEADER			dwg no	88924	rev	AV
		0.XX	±0.13			8 MOD, 4 ROW PRESS-FIT						
		0.XXX	±.051			cat. no.	*	Product - Customer Drw				
	angular	0°	±2°	www.fci.com								

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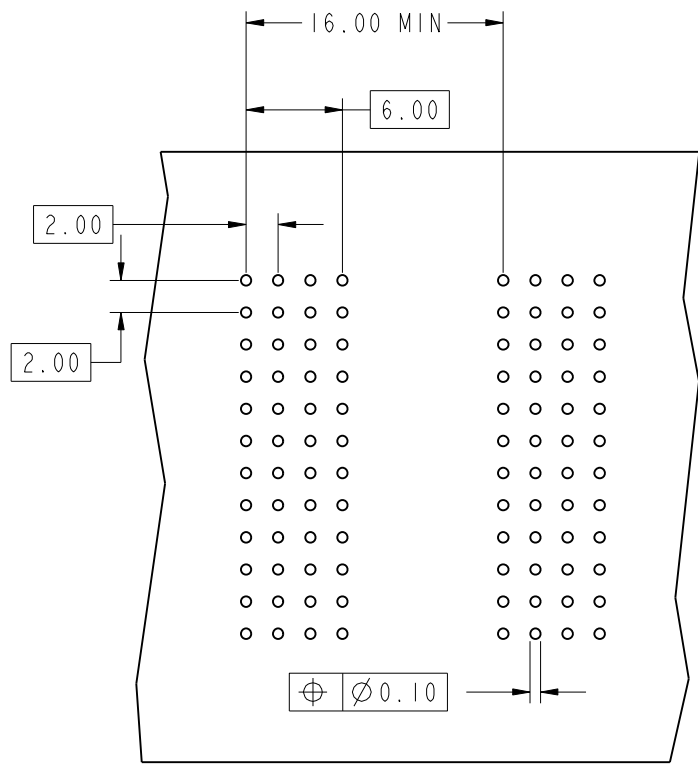
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KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
1	5.00	4.30
2	5.75	4.30
3	6.50	4.30
4	7.25	4.30
5	5.00	13.60
6	5.75	13.60
7	6.50	13.60
13	8.25	4.30
14	8.25	13.60
19	8.00	4.30
20	8.00	13.60
22	5.00	12.10
23	8.00	17.70
25	5.75	15.60
40	5.00	15.60

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

spec ref *		dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1							
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2014/12/02			product family	METRAL	ecn no	ELX-DG-19567-1							
		chr	Tian-Zhao Lin	2014/12/03				rel level	Released								
surface ✓	linear	appr	Collins Lu	2014/12/03	title	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT	dwg no	88924	rev	ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	* Product - Customer Drw	sheet 2 of 14
		0.X	±0.3	FCI logo													
		0.XX	±0.13														
		0.XXX	±.051														

Pre/E File - REV C - 2009-06-09

PRODUCT NUMBER	DESCRIPTION	PLATING IN PRESS FIT TAIL AREA	PERFORMANCE LEVEL OF PLATING IN CONTACT AREA
88924-NIYY	STANDARD	TIN LEAD	TELCORDIA CO (NXT)
88924-N5YY	STANDARD	TIN LEAD	TELCORDIA UE (NXT)
88924-IYY	STANDARD	TIN LEAD	TELCORDIA CO
88924-2YY	STANDARD	TIN LEAD	TELECOM CLASS
88924-3YY	STANDARD	TIN LEAD	IEC CLASS I
88924-5YY	STANDARD	TIN LEAD	TELCORDIA UE
88924-NIYYLF	LEAD FREE	TIN	TELCORDIA CO (NXT), IEC CLASS I, SEE NOTES 9 AND 10
88924-N5YYLF	LEAD FREE	TIN	TELCORDIA UE (NXT) SEE NOTES 9 AND 10
88924-IYYLF	LEAD FREE	TIN	TELCORDIA CO , IEC CLASS I, SEE NOTES 9 AND 10
88924-2YYLF	LEAD FREE	TIN	TELECOM CLASS, SEE NOTES 9 AND 10
88924-5YYLF	LEAD FREE	TIN	TELCORDIA UE , SEE NOTES 9 AND 10

NOTES:

- FOR DIM A, AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL POLYMER 30 % GLASS. FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL: PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT AREA: SEE PRODUCT NUMBER TABLE. PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE ON SHEET 3.
- PRODUCT MARKING: PART NUMBER DESIGNATION & BATCH I.D.
- 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: XXXX-XXXP OR XXXX-XXXPLF
- PRODUCT SPECIFICATION: GS-12-180 APPLICATION SPECIFICATION: BUS-20-073

- AFTER INSERTION INTO BOARD WITH QUALIFIED TOOLING.
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-12-008.
- ALL THE PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING 88924-NI---OR 88924-N5---WILL WITHSTAND EXPOSURE TO 260 DEGREES C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. PART NUMBERS 88924-NI---AND 88924-N5--- WILL NOT WITHSTAND REFLOW AND THE Au CONTACT SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140 DEGREES C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

spec ref	*	dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2014/12/02			ecn no		ELX-DG-19567-1	
ASME Y14.5		chr	Tian-Zhao Lin	2014/12/03			rel level		Released	
surface		linear	appr	Collins Lu	2014/12/03	product family	METRAL		rev	AV
ASME Y14.5	angular			title		88924		88924		
		www.fci.com		8 MOD, 4 ROW PRESS-FIT		Product - Customer Drw		sheet 3 of 14		
				cat. no.						



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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7					MOD. 8																									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48													
88924-X11 AND 88924-X11LF	D	1	1	1	1	1	1	1	1	1	1	19	19	19	19	1	1	1	1	1	4	1	1	1	19	1	1	19	1	1	1	19	1	1	1	19	1	1	1	19	1	1	1	19	1	1																
	C	1	1	1	1	1	1	19	1	19	1	19	1	1	3	19	1	1	3	4	1	1	3	19	1	1	3	19	1	1	3	19	3	19	1	1	3	19	1	1	3	19	1	1	3	19	1	1														
	B	1	1	1	1	1	1	1	3	1	1	1	1	3	1	1	19	3	1	1	19	3	1	1	19	3	1	1	19	3	1	1	1	19	3	1	1	1	19	1	1	1	19	1	1	1	19	1	1													
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88924-X12 AND 88924-X12LF	D	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22	22	22	22	22	3												
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88924-X13 AND 88924-X13LF	D	4	19	19	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	19	19	19	19	4						
	C	4	19	19	19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	19	19	19	19	19	4				
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88924-X14 AND 88924-X14LF	D	4	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4				
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	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
	A	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2



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spec ref *	dr <b>Terran Huang</b> 2010/07/08			projection 	mm 	size	A4	scale	1:1	
tolerance std	eng <b>Michael Song</b> 2014/12/02					product family METRAL	ecn no	ELX-DG-19567-1		
	chr <b>Tian-Zhao Lin</b> 2014/12/03						rel level	<b>Released</b>		
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			appr <b>Collins Lu</b> 2014/12/03	title <b>METRAL SIGNAL HEADER</b> 8 MOD, 4 ROW PRESS-FIT	rel no <b>88924</b>	rev			
surface <input checked="" type="checkbox"/>	linear	0.X	±0.3				<b>AV</b>			
		0.XX	±0.13							
ASME Y14.5	angular	0°	±2°		www.fci.com	cat. no.	Product - Customer Drw	sheet 6 of 14		

Part File - REV C - 2009-06-09













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A

B

C

D

A

B

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7					MOD. 8												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
		88924-X36 AND 88924-X36LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4
C	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7					MOD. 8													
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		88924-X37 AND 88924-X37LF	D	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4
C	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0
B	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0
A	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0	4	0

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7					MOD. 8														
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		88924-X38 AND 88924-X38LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7					MOD. 8												
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		88924-X39 AND 88924-X39LF	D	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7					MOD. 8												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
		88924-X40 AND 88924-X40LF	D	3	3	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	
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spec ref	*	dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	1:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2014/12/02			product family	METRAL	ecn no		ELX-DG-19567-1	
ASME Y14.5		chr	Tian-Zhao Lin	2014/12/03					rel level			Released
surface ✓		appr	Collins Lu	2014/12/03					title		METRAL SIGNAL HEADER	dwg no
ASME Y14.5	linear	www.fci.com		cat. no.		Product - Customer Drw		sheet 11 of 14				
	angular	0°	±2°									





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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7					MOD. 8																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48						
		88924-X46	D	1	1	3	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1	1	1	3	3	1	1	1	1	1	1			
	C	1	1	3	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1	1	1	3	3	1	1	1	1	1	1					
88924-X46LF	B	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	A	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
88924-X47	D	1	1	3	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	C	1	1	3	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
88924-X47LF	B	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	A	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
88924-X48	D	23	23	33	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23		
	C	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
88924-X48LF	B	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
	A	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
88924-X49	D	23	23	33	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
	C	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
88924-X49LF	B	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	A	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
88924-X50 AND 88924-X50LF	D	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	C	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	4	4	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	4

spec ref *		dr <b>Terran Huang</b>		2010/07/08		projection 	mm ←→	size	A4		scale	1:1			
tolerance std		eng <b>Michael Song</b>		2014/12/02				ecn no ELX-DG-19567-1							
ASME Y14.5		chr <b>Tian-Zhao Lin</b>		2014/12/03				rel level <b>Released</b>							
surface <input checked="" type="checkbox"/>		appr <b>Collins Lu</b>		2014/12/03		product family			METRAL			rev			
ASME Y14.5		linear		0.X ±0.3		<b>METRAL SIGNAL HEADER</b> 8 MOD, 4 ROW PRESS-FIT						dwg no		88924	
		angular		0° ±2°								cat. no.		* <b>Product - Customer Drw</b>	
		www.fci.com		cat. no.								rev <b>AV</b>			

METRAL P/N	ROW	CONTACT CODE MOD. 1				MOD. 2				MOD. 3				MOD. 4				MOD. 5				MOD. 6				MOD. 7				MOD. 8																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
88924-X51 AND 88924-X51LF	D	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
	C	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
	B	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	A	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
88924-X52 AND 88924-X52LF	D	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
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A

B

C

D



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spec ref *	dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	1:1	
tolerance std	eng	Michael Song	2014/12/02			←——→	ecn no			ELX-DG-19567-1
ASME Y14.5	chr	Tian-Zhao Lin	2014/12/03		product family		METRAL	rel level		<b>Released</b>
surface 3.2 linear	ASME Y14.5	angular	0°	±2°		title			METRAL SIGNAL HEADER	
		0.X	±0.3	www.fci.com		cat. no.			-	
		0.XX	±0.13			Product - Customer Drw			sheet 14 of 14	
0.XXX	±0.051	8 MOD, 4 ROW PRESS-FIT			dwg no	88924			rev	AV

Pre/E File - REV C - 2009-06-09