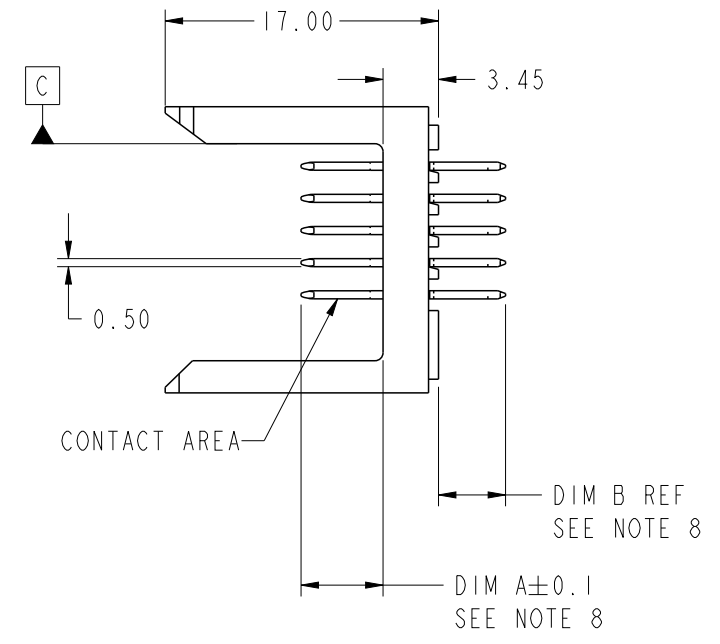
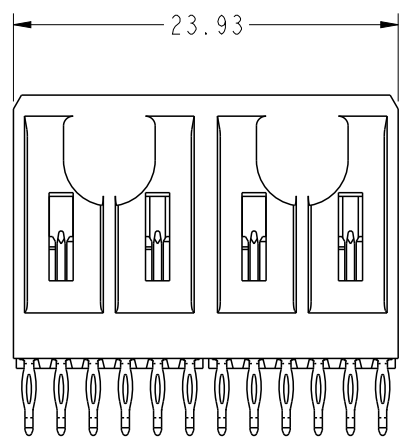
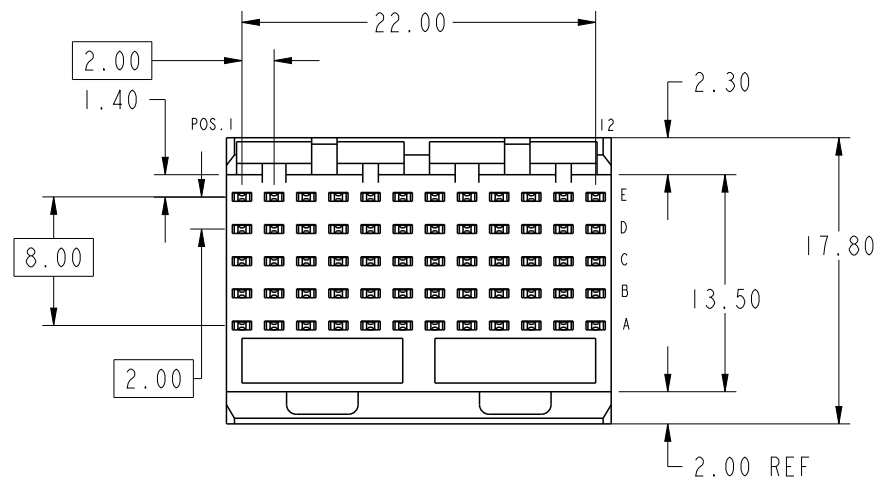
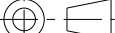




Copyright FCI.

PRODUCT NUMBER
89007-XYX
89007-XYXLF

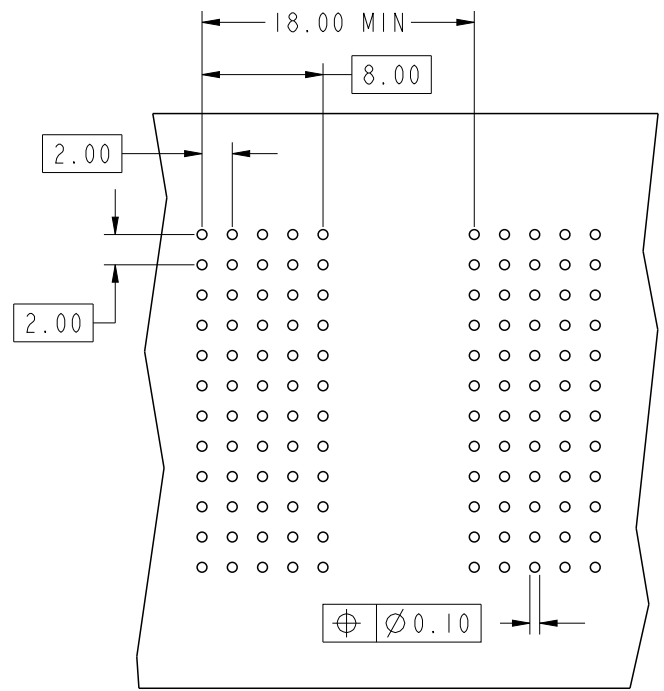


spec ref *				dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2014/12/02			ecn no	ELX-DG-19567-1		
				chr	Tian-Zhao Lin	2014/12/03						
				appr	Collins Lu	2014/12/03						product family
surface 3.200 linear ✓		0.X	±0.3		title	METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT			dwg no	89007		rev AE
		0.XX	±0.13									
		0.XXX	±0.050									
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 1 of 12	

Print File - REV C - 2009-06-09



Copyright FCI.



KEY (SIGNAL PF)		
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

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			ecn no	ELX-DG-19567-1				
				chr	Tian-Zhao Lin	2014/12/03								
				appr	Collins Lu	2014/12/03						product family	METRAL	
surface 3.200 linear 		0.X	±0.3		title	METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT			dwg no	89007		rev	AE	
		0.XX	±0.13											
		0.XXX	±0.050											
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 2 of 12			



Copyright FCI.

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X10 SEE NOTE10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X11 SEE NOTE10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X12 SEE NOTE10 LEAD FREE OPTION	E	4	4	4	4	4	4	4	4	4	4	4	4
	D	3	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3
	B	1	1	1	1	1	1	1	1	1	1	1	1
	A	1	1	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X13 SEE NOTE10 LEAD FREE OPTION	E	4	4	4	4	4	4	4	4	4	4	4	4
	D	19	19	19	19	19	19	19	19	19	19	19	19
	C	4	4	4	4	4	4	4	4	4	4	4	4
	B	4	4	4	4	4	4	4	4	4	4	4	4
	A	4	4	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X14 SEE NOTE10 LEAD FREE OPTION	E	4	4	4	4	4	4	4	4	4	4	4	4
	D	3	3	3	3	3	3	3	3	3	3	3	3
	C	4	4	4	4	4	4	4	4	4	4	4	4
	B	4	4	4	4	4	4	4	4	4	4	4	4
	A	4	4	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X15 SEE NOTE10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1
	A	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X16 SEE NOTE10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2	2	2

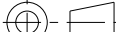
METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X17 SEE NOTE10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2	2	2
	A	19	19	19	19	19	19	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X19 SEE NOTE10 LEAD FREE OPTION	E	4	4	4	4	4	4	4	4	4	4	4	4
	D	4	4	4	4	4	4	4	4	4	4	4	4
	C	4	4	4	4	4	4	4	4	4	4	4	4
	B	4	4	4	4	4	4	4	4	4	4	4	4
	A	4	4	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X20 SEE NOTE10 LEAD FREE OPTION	E	5	5	5	5	5	5	5	5	5	5	5	5
	D	5	5	5	5	5	5	5	5	5	5	5	5
	C	5	5	5	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5	5	5	5	5
	A	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X21 SEE NOTE10 LEAD FREE OPTION	E	7	7	7	7	7	7	7	7	7	7	7	7
	D	7	7	7	7	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11
89007-X22 SEE NOTE10 LEAD FREE OPTION	E	8	8	8	8	8	8	8	8	8	8	8
	D	7	7	7	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7	7	7	7
	B	5	5	5	5	5	5	5	5	5	5	5
	A	5	5	5	5	5	5	5	5	5	5	5

spec ref		*		dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	1:1								
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	product family				METRAL	rel level		Released								
appr		Collins Lu		2014/12/03		product family			METRAL	rel level		Released								
surface		3.2		linear		0.X		±0.3		FCI		title	METRAL SIGNAL HEADER		dwg no	89007		rev	A1	
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.			-			Product - Customer Drw			sheet 3 of 12	



Copyright FCI.

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X23 SEE NOTE10 LEAD FREE OPTION	E	8	8	8	8	8	8	8	8	8	8
	D	20	20	20	20	20	20	20	20	20	20
	C	8	8	8	8	8	8	8	8	8	8
	B	8	8	8	8	8	8	8	8	8	8
	A	8	8	8	8	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X24 SEE NOTE10 LEAD FREE OPTION	E	8	8	8	8	8	8	8	8	8	8
	D	7	7	7	7	7	7	7	7	7	7
	C	8	8	8	8	8	8	8	8	8	8
	B	8	8	8	8	8	8	8	8	8	8
	A	8	8	8	8	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X25 SEE NOTE10 LEAD FREE OPTION	E	5	5	5	5	5	5	5	5	5	5
	D	5	5	5	5	5	5	5	5	5	5
	C	5	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5	5	5
	A	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X26 SEE NOTE10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X27 SEE NOTE10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6
	A	20	20	20	20	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X29 SEE NOTE10 LEAD FREE OPTION	E	8	8	8	8	8	8	8	8	8	8
	D	8	8	8	8	8	8	8	8	8	8
	C	8	8	8	8	8	8	8	8	8	8
	B	8	8	8	8	8	8	8	8	8	8
	A	8	8	8	8	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X30 SEE NOTE10 LEAD FREE OPTION	E	9	9	9	9	9	9	9	9	9	9
	D	9	9	9	9	9	9	9	9	9	9
	C	9	9	9	9	9	9	9	9	9	9
	B	9	9	9	9	9	9	9	9	9	9
	A	9	9	9	9	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X31 SEE NOTE10 LEAD FREE OPTION	E	11	11	11	11	11	11	11	11	11	11
	D	11	11	11	11	11	11	11	11	11	11
	C	11	11	11	11	11	11	11	11	11	11
	B	11	11	11	11	11	11	11	11	11	11
	A	11	11	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X32 SEE NOTE10 LEAD FREE OPTION	E	12	12	12	12	12	12	12	12	12	12
	D	11	11	11	11	11	11	11	11	11	11
	C	11	11	11	11	11	11	11	11	11	11
	B	9	9	9	9	9	9	9	9	9	9
	A	9	9	9	9	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X33 SEE NOTE10 LEAD FREE OPTION	E	12	12	12	12	12	12	12	12	12	12
	D	21	21	21	21	21	21	21	21	21	21
	C	12	12	12	12	12	12	12	12	12	12
	B	12	12	12	12	12	12	12	12	12	12
	A	12	12	12	12	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X34 SEE NOTE10 LEAD FREE OPTION	E	12	12	12	12	12	12	12	12	12	12
	D	11	11	11	11	11	11	11	11	11	11
	C	12	12	12	12	12	12	12	12	12	12
	B	12	12	12	12	12	12	12	12	12	12
	A	12	12	12	12	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X35 SEE NOTE10 LEAD FREE OPTION	E	9	9	9	9	9	9	9	9	9	9
	D	9	9	9	9	9	9	9	9	9	9
	C	9	9	9	9	9	9	9	9	9	9
	B	9	9	9	9	9	9	9	9	9	9
	A	11	11	11	11	11	11	11	11	11	11

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		
				appr	Collins Lu	2014/12/03	product family		METRAL			
surface		3.200 linear 	0.X	±0.3		title METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT		dwg no	89007		rev A1	
			0.XX	±0.13								
			0.XXX	±0.050								
ASME Y14.5		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw			sheet 4 of 12	



Copyright FCI.

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X36 SEE NOTE10 LEAD FREE OPTION	E	10	10	10	10	10	10	10	10	10	10
	D	10	10	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10	10	10
	A	10	10	10	10	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X37 SEE NOTE10 LEAD FREE OPTION	E	10	10	10	10	10	10	10	10	10	10
	D	10	10	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10	10	10
	A	21	21	21	21	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X39 SEE NOTE10 LEAD FREE OPTION	E	12	12	12	12	12	12	12	12	12	12
	D	12	12	12	12	12	12	12	12	12	12
	C	12	12	12	12	12	12	12	12	12	12
	B	12	12	12	12	12	12	12	12	12	12
	A	12	12	12	12	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X40 SEE NOTE10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	4	4	4	4	4	4	4	4	4	4
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X41 SEE NOTE10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	1	1	1	1	1	1	1	1	1	1
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X42 SEE NOTE10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	4	4	4	4	4	4	4	4	4	4
	C	4	4	4	4	4	4	4	4	4	4
	B	3	3	3	3	3	3	3	3	3	3
	A	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X43 SEE NOTE10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	4	4	4	4	4	4	4	4	4	4

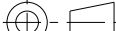
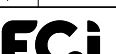
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X44 SEE NOTE10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1
	D	3	3	3	3	3	3	3	3	3	3
	C	4	4	4	4	4	4	4	4	4	4
	B	3	3	3	3	3	3	3	3	3	3
	A	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X45 SEE NOTE10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1
	D	19	19	19	19	19	19	19	19	19	19
	C	1	1	1	1	1	1	1	1	1	1
	B	19	19	19	19	19	19	19	19	19	19
	A	1	1	1	1	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X46 SEE NOTE10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	4	4	4	4	4	4	4	4	4	4
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X47 SEE NOTE10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	3	3	3	3	3	3	3	3	3	3
	C	2	2	2	2	2	2	2	2	2	2
	B	2	2	2	2	2	2	2	2	2	2
	A	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X48 SEE NOTE10 LEAD FREE OPTION	E	19	19	19	19	19	19	19	19	19	19
	D	19	19	19	19	19	19	19	19	19	19
	C	19	19	19	19	19	19	19	19	19	19
	B	19	19	19	19	19	19	19	19	19	19
	A	19	19	19	19	19	19	19	19	19	19

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				rel level			Released
				appr	Collins Lu	2014/12/03	product family			METRAL			
surface		3.200 linear 	0.X	±0.3		title	METRAL SIGNAL HEADER			dwg no	89007		rev
			0.XX	±0.13									
			0.XXX	±0.050									
ASME Y14.5		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 5 of 12	

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X49 SEE NOTE10 LEAD FREE OPTION	E	4	4	4	4	4	4	4	4	4	4	4	4
	D	3	3	3	3	3	3	3	3	3	3	3	3
	C	3	3	3	3	3	3	3	3	3	3	3	3
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	19	19	19	19	19	19	19	19	19	19	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X50 SEE NOTE10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6
	B	8	8	8	8	8	8	8	8	8	8	8	8
	A	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X51 SEE NOTE10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6
	D	5	5	5	5	5	5	5	5	5	5	5	5
	C	6	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6
	A	7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X52 SEE NOTE10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6
	D	8	8	8	8	8	8	8	8	8	8	8	8
	C	8	8	8	8	8	8	8	8	8	8	8	8
	B	7	7	7	7	7	7	7	7	7	7	7	7
	A	8	8	8	8	8	8	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X53 SEE NOTE10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	6	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6
	A	8	8	8	8	8	8	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X54 SEE NOTE10 LEAD FREE OPTION	E	5	5	5	5	5	5	5	5	5	5	5	5
	D	7	7	7	7	7	7	7	7	7	7	7	7
	C	8	8	8	8	8	8	8	8	8	8	8	8
	B	7	7	7	7	7	7	7	7	7	7	7	7
	A	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X55 SEE NOTE10 LEAD FREE OPTION	E	5	5	5	5	5	5	5	5	5	5	5	5
	D	20	20	20	20	20	20	20	20	20	20	20	20
	C	5	5	5	5	5	5	5	5	5	5	5	5
	B	20	20	20	20	20	20	20	20	20	20	20	20
	A	5	5	5	5	5	5	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X56 SEE NOTE10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	8	8	8	8	8	8	8	8	8	8	8	8
	B	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X57 SEE NOTE10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6
	D	7	7	7	7	7	7	7	7	7	7	7	7
	C	6	6	6	6	6	6	6	6	6	6	6	6
	B	6	6	6	6	6	6	6	6	6	6	6	6
	A	7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X58 SEE NOTE10 LEAD FREE OPTION	E	20	20	20	20	20	20	20	20	20	20	20	20
	D	20	20	20	20	20	20	20	20	20	20	20	20
	C	20	20	20	20	20	20	20	20	20	20	20	20
	B	20	20	20	20	20	20	20	20	20	20	20	20
	A	20	20	20	20	20	20	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X59 SEE NOTE10 LEAD FREE OPTION	E	8	8	8	8	8	8	8	8	8	8	8	8
	D	7	7	7	7	7	7	7	7	7	7	7	7
	C	7	7	7	7	7	7	7	7	7	7	7	7
	B	7	7	7	7	7	7	7	7	7	7	7	7
	A	20	20	20	20	20	20	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X60 SEE NOTE10 LEAD FREE OPTION	E	10	10	10	10	10	10	10	10	10	10	10	10
	D	10	10	10	10	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10	10	10	10	10
	B	12	12	12	12	12	12	12	12	12	12	12	12
	A	10	10	10	10	10	10	10	10	10	10	10	10

spec ref		*		dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	1:1	
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2014/12/02			ecn no	ELX-DG-19567-1			
				chr	Tian-Zhao Lin	2014/12/03							
					appr	Collins Lu	2014/12/03	product family		METRAL		rel level	Released
surface 3.200 linear 		0.X	±0.3		title	METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT			dwg no	89007		rev	AE
		0.XX	±0.13										
		0.XXX	±0.050										
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 6 of 12		



Copyright FCI.

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X61 SEE NOTE10 LEAD FREE OPTION	E	10	10	10	10	10	10	10	10	10	10
	D	9	9	9	9	9	9	9	9	9	9
	C	10	10	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10	10	10
	A	11	11	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X62 SEE NOTE10 LEAD FREE OPTION	E	10	10	10	10	10	10	10	10	10	10
	D	12	12	12	12	12	12	12	12	12	12
	C	12	12	12	12	12	12	12	12	12	12
	B	11	11	11	11	11	11	11	11	11	11
	A	12	12	12	12	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X63 SEE NOTE10 LEAD FREE OPTION	E	10	10	10	10	10	10	10	10	10	10
	D	10	10	10	10	10	10	10	10	10	10
	C	10	10	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10	10	10
	A	12	12	12	12	12	12	12	12	12	12

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X64 SEE NOTE10 LEAD FREE OPTION	E	9	9	9	9	9	9	9	9	9	9
	D	11	11	11	11	11	11	11	11	11	11
	C	12	12	12	12	12	12	12	12	12	12
	B	11	11	11	11	11	11	11	11	11	11
	A	9	9	9	9	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X65 SEE NOTE10 LEAD FREE OPTION	E	9	9	9	9	9	9	9	9	9	9
	D	21	21	21	21	21	21	21	21	21	21
	C	9	9	9	9	9	9	9	9	9	9
	B	21	21	21	21	21	21	21	21	21	21
	A	9	9	9	9	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X66 SEE NOTE10 LEAD FREE OPTION	E	10	10	10	10	10	10	10	10	10	10
	D	10	10	10	10	10	10	10	10	10	10
	C	12	12	12	12	12	12	12	12	12	12
	B	10	10	10	10	10	10	10	10	10	10
	A	10	10	10	10	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X67 SEE NOTE10 LEAD FREE OPTION	E	10	10	10	10	10	10	10	10	10	10
	D	11	11	11	11	11	11	11	11	11	11
	C	10	10	10	10	10	10	10	10	10	10
	B	10	10	10	10	10	10	10	10	10	10
	A	11	11	11	11	11	11	11	11	11	11

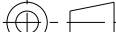
METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X68 SEE NOTE10 LEAD FREE OPTION	E	21	21	21	21	21	21	21	21	21	21
	D	21	21	21	21	21	21	21	21	21	21
	C	21	21	21	21	21	21	21	21	21	21
	B	21	21	21	21	21	21	21	21	21	21
	A	21	21	21	21	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X69 SEE NOTE10 LEAD FREE OPTION	E	12	12	12	12	12	12	12	12	12	12
	D	11	11	11	11	11	11	11	11	11	11
	C	11	11	11	11	11	11	11	11	11	11
	B	11	11	11	11	11	11	11	11	11	11
	A	21	21	21	21	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X70 SEE NOTE10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	2	2	2
	D	2	2	2	2	2	2	2	2	2	2
	C	3	3	3	3	3	3	3	3	3	3
	B	2	2	2	2	2	2	2	2	2	2
	A	2	2	2	2	2	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X71 SEE NOTE10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3
	D	19	19	19	19	19	19	19	19	19	19
	C	3	3	3	3	3	3	3	3	3	3
	B	19	19	19	19	19	19	19	19	19	19
	A	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X72 SEE NOTE10 LEAD FREE OPTION	E	19	19	19	19	19	19	19	19	19	19
	D	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1
	A	19	19	19	19	19	19	19	19	19	19

spec ref		*		dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	1:1
tolerance std		ASME Y14.5		eng	Michael Song	2014/12/02			ecn no	ELX-DG-19567-1		
				chr	Tian-Zhao Lin	2014/12/03			rel level			
				appr	Collins Lu	2014/12/03	product family		METRAL		Released	
surface 3.200 linear 		0.X	±0.3		title	METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT			dwg no	89007		rev
		0.XX	±0.13									
		0.XXX	±0.050									
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw			sheet 7 of 12		

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X73 SEE NOTE10 LEAD FREE OPTION	E	4	4	4	4	4	4	4	4	4	4	4	4
	D	4	4	4	4	4	4	4	4	4	4	4	4
	C	4	4	4	4	4	4	4	4	4	4	4	4
	B	4	4	4	4	4	4	4	4	4	4	4	4
	A	13	13	13	13	13	13	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X74 SEE NOTE10 LEAD FREE OPTION	E	13	13	13	13	13	13	13	13	13	13	13	13
	D	4	4	4	4	4	4	4	4	4	4	4	4
	C	3	3	3	3	3	3	3	3	3	3	3	3
	B	4	4	4	4	4	4	4	4	4	4	4	4
	A	13	13	13	13	13	13	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X75 SEE NOTE10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3	3	3
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X76 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	1	1	1	1
	D	1	1	1	1	1	1	1	1	1	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1
	B	1	1	1	1	1	1	1	1	1	1	1	1
	A	4	4	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X77 SEE NOTE10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3	3	3
	D	19	19	19	19	19	19	19	19	19	19	19	19
	C	4	4	4	4	4	4	4	4	4	4	4	4
	B	3	3	3	3	3	3	3	3	3	3	3	3
	A	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X78 SEE NOTE10 LEAD FREE OPTION	E	13	13	13	13	13	13	13	13	13	13	13	13
	D	16	16	16	16	16	16	16	16	16	16	16	16
	C	2	2	2	2	2	2	2	2	2	2	2	2
	B	16	16	16	16	16	16	16	16	16	16	16	16
	A	13	13	13	13	13	13	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X79 SEE NOTE10 LEAD FREE OPTION	E	3	3	3	3	3	3	3	3	3	3	3	3
	D	3	3	3	3	3	3	3	3	3	3	3	3
	C	4	4	4	4	4	4	4	4	4	4	4	4
	B	19	19	19	19	19	19	19	19	19	19	19	19
	A	4	4	4	4	4	4	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X80 SEE NOTE10 LEAD FREE OPTION	E	6	6	6	6	6	6	6	6	6	6	6	6
	D	6	6	6	6	6	6	6	6	6	6	6	6
	C	7	7	7	7	7	7	7	7	7	7	7	7
	B	6	6	6	6	6	6	6	6	6	6	6	6
	A	6	6	6	6	6	6	6	6	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X81 SEE NOTE10 LEAD FREE OPTION	E	7	7	7	7	7	7	7	7	7	7	7	7
	D	20	20	20	20	20	20	20	20	20	20	20	20
	C	7	7	7	7	7	7	7	7	7	7	7	7
	B	20	20	20	20	20	20	20	20	20	20	20	20
	A	7	7	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X82 SEE NOTE10 LEAD FREE OPTION	E	20	20	20	20	20	20	20	20	20	20	20	20
	D	5	5	5	5	5	5	5	5	5	5	5	5
	C	5	5	5	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5	5	5	5	5
	A	20	20	20	20	20	20	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X83 SEE NOTE10 LEAD FREE OPTION	E	8	8	8	8	8	8	8	8	8	8	8	8
	D	8	8	8	8	8	8	8	8	8	8	8	8
	C	8	8	8	8	8	8	8	8	8	8	8	8
	B	8	8	8	8	8	8	8	8	8	8	8	8
	A	14	14	14	14	14	14	14	14	14	14	14	14

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X84 SEE NOTE10 LEAD FREE OPTION	E	14	14	14	14	14	14	14	14	14	14	14	14
	D	8	8	8	8	8	8	8	8	8	8	8	8
	C	7	7	7	7	7	7	7	7	7	7	7	7
	B	8	8	8	8	8	8	8	8	8	8	8	8
	A	14	14	14	14	14	14	14	14	14	14	14	14

spec ref		*		dr		Terran Huang		2010/07/08		projection				mm		size		A4		scale		1:1			
tolerance std		ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Michael Song		2014/12/02		chr		Tian-Zhao Lin		2014/12/03		ecn no		ELX-DG-19567-1		rel level		Released	
surface		3.200 linear		0.X		±0.3		FCI		title		METRAL SIGNAL HEADER		dwg no		89007		rev		A1					
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 8 of 12									
				0.XX		±0.13																			
				0.XXX		±0.050																			



Copyright FCI.

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X85 SEE NOTE10 LEAD FREE OPTION	E	7	7	7	7	7	7	7	7	7	7
	D	7	7	7	7	7	7	7	7	7	7
	C	6	6	6	6	6	6	6	6	6	6
	B	7	7	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X86 SEE NOTE10 LEAD FREE OPTION	E	5	5	5	5	5	5	5	5	5	5
	D	5	5	5	5	5	5	5	5	5	5
	C	5	5	5	5	5	5	5	5	5	5
	B	5	5	5	5	5	5	5	5	5	5
	A	8	8	8	8	8	8	8	8	8	8

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X87 SEE NOTE10 LEAD FREE OPTION	E	7	7	7	7	7	7	7	7	7	7
	D	20	20	20	20	20	20	20	20	20	20
	C	8	8	8	8	8	8	8	8	8	8
	B	7	7	7	7	7	7	7	7	7	7
	A	7	7	7	7	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X88 SEE NOTE10 LEAD FREE OPTION	E	14	14	14	14	14	14	14	14	14	14
	D	17	17	17	17	17	17	17	17	17	17
	C	6	6	6	6	6	6	6	6	6	6
	B	17	17	17	17	17	17	17	17	17	17
	A	14	14	14	14	14	14	14	14	14	14

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X89 SEE NOTE10 LEAD FREE OPTION	E	7	7	7	7	7	7	7	7	7	7
	D	7	7	7	7	7	7	7	7	7	7
	C	8	8	8	8	8	8	8	8	8	8
	B	17	17	17	17	17	17	17	17	17	17
	A	20	20	20	20	20	20	20	20	20	20

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X90 SEE NOTE10 LEAD FREE OPTION	E	10	10	10	10	10	10	10	10	10	10
	D	10	10	10	10	10	10	10	10	10	10
	C	11	11	11	11	11	11	11	11	11	11
	B	10	10	10	10	10	10	10	10	10	10
	A	10	10	10	10	10	10	10	10	10	10

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X91 SEE NOTE10 LEAD FREE OPTION	E	11	11	11	11	11	11	11	11	11	11
	D	21	21	21	21	21	21	21	21	21	21
	C	11	11	11	11	11	11	11	11	11	11
	B	21	21	21	21	21	21	21	21	21	21
	A	11	11	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X92 SEE NOTE10 LEAD FREE OPTION	E	21	21	21	21	21	21	21	21	21	21
	D	9	9	9	9	9	9	9	9	9	9
	C	9	9	9	9	9	9	9	9	9	9
	B	9	9	9	9	9	9	9	9	9	9
	A	21	21	21	21	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X93 SEE NOTE10 LEAD FREE OPTION	E	12	12	12	12	12	12	12	12	12	12
	D	12	12	12	12	12	12	12	12	12	12
	C	12	12	12	12	12	12	12	12	12	12
	B	12	12	12	12	12	12	12	12	12	12
	A	15	15	15	15	15	15	15	15	15	15

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X94 SEE NOTE10 LEAD FREE OPTION	E	15	15	15	15	15	15	15	15	15	15
	D	12	12	12	12	12	12	12	12	12	12
	C	11	11	11	11	11	11	11	11	11	11
	B	12	12	12	12	12	12	12	12	12	12
	A	15	15	15	15	15	15	15	15	15	15

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X95 SEE NOTE10 LEAD FREE OPTION	E	11	11	11	11	11	11	11	11	11	11
	D	11	11	11	11	11	11	11	11	11	11
	C	10	10	10	10	10	10	10	10	10	10
	B	11	11	11	11	11	11	11	11	11	11
	A	11	11	11	11	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2				
		1	2	3	4	5	6	7	8	9	10
89007-X96 SEE NOTE10 LEAD FREE OPTION	E	9	9	9	9	9	9	9	9	9	9
	D	9	9	9	9	9	9	9	9	9	9
	C	9	9	9	9	9	9	9	9	9	9
	B	9	9	9	9	9	9	9	9	9	9
	A	12	12	12	12	12	12	12	12	12	12

spec ref		*		dr		Terran Huang		2010/07/08		projection				size		A4		scale		1:1			
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		product family						METRAL		rel level						Released	
		appr		Collins Lu		2014/12/03																	
surface		3.200 linear		0.X		±0.3				title		METRAL SIGNAL HEADER		2 MOD, 5 ROW PRESS-FIT		dwg no		89007		rev		AE	
		0.XX		±0.13																			
		0.XXX		±0.050																			
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 9 of 12							



Copyright FCI.

spec ref *		dr Terran Huang		2010/07/08		projection	mm	size	A4		scale	1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED						ecn no		ELX-DG-19567-1			
ASME Y14.5								rel level		Released			
surface		0.X	±0.3			title	METRAL SIGNAL HEADER				dwg no	89007	rev
ASME Y14.5		0.XX	±0.13										
angular		0°	±2°										
www.fci.com		cat. no.		-		Product - Customer Drw				sheet 10 of 12			

PartE File - REV C - 2009-06-09

PDS: Rev :AE

STATUS:Released

Printed: Dec 03, 2014

A

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X113 SEE NOTE10 LEAD FREE OPTION	E	2	2	2	2	3	2	2	2	2	2	3	3
	D	2	2	2	2	3	2	2	2	2	2	3	3
	C	2	2	2	2	3	2	2	2	2	2	3	3
	B	2	2	2	2	3	2	2	2	2	2	3	3
	A	2	2	2	2	3	2	2	2	2	2	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X117 SEE NOTE10 LEAD FREE OPTION	E	6	7	6	7	6	6	6	7	6	6	7	7
	D	6	7	6	7	6	6	6	7	6	6	6	7
	C	6	7	6	7	6	6	6	7	6	6	6	7
	B	6	7	6	7	6	6	6	7	6	6	6	7
	A	6	6	7	6	6	7	6	7	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	
89007-X121 SEE NOTE10 LEAD FREE OPTION	E	1	1	3	1	1	1	1	3	1	1	1	
	D	1	1	3	1	1	1	1	3	1	1	1	
	C	1	1	3	1	1	1	1	3	1	1	1	
	B	1	1	3	1	1	1	1	3	1	1	1	
	A	1	1	3	1	1	1	1	3	1	1	1	

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X125 SEE NOTE10 LEAD FREE OPTION	E	1	1	1	3	1	1	1	1	1	1	1	1
	D	1	1	1	3	1	1	1	1	1	1	1	1
	C	1	1	1	3	1	1	1	1	1	1	1	1
	B	1	1	1	3	1	1	1	1	1	1	1	1
	A	1	1	1	3	1	1	1	1	1	1	1	1

B

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X114 SEE NOTE10 LEAD FREE OPTION	E	2	3	2	3	2	2	2	3	2	2	3	3
	D	2	3	2	3	2	2	2	3	2	2	2	3
	C	2	3	2	3	2	2	2	3	2	2	2	3
	B	2	3	2	3	2	2	2	3	2	2	2	3
	A	2	2	3	2	2	3	2	3	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X118 SEE NOTE10 LEAD FREE OPTION	E	3	2	2	3	2	3	2	3	2	2	2	3
	D	3	2	2	3	2	3	2	3	2	2	2	3
	C	3	2	2	3	1	3	2	3	2	2	2	3
	B	3	2	2	3	2	3	2	3	2	2	2	3
	A	3	2	2	3	2	3	2	3	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X122 SEE NOTE10 LEAD FREE OPTION	E	3	1	3	1	1	1	3	1	1	1	3	1
	D	3	1	3	1	1	1	3	1	1	1	3	1
	C	3	1	3	1	1	1	3	1	1	1	3	1
	B	3	1	3	1	1	1	3	1	1	1	3	1
	A	3	1	3	1	1	1	3	1	1	1	3	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X115 SEE NOTE10 LEAD FREE OPTION	E	1	1	3	1	1	3	1	1	3	1	1	3
	D	1	1	3	1	1	3	1	1	3	3	3	3
	C	1	1	3	1	1	3	1	1	3	3	3	3
	B	1	1	3	1	1	3	1	1	3	3	3	3
	A	1	1	3	1	1	3	1	1	1	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X119 SEE NOTE10 LEAD FREE OPTION	E	3	1	2	1	1	3	1	1	3	1	1	1
	D	3	1	2	1	1	3	1	1	3	1	1	1
	C	3	1	2	1	1	3	3	3	3	3	3	3
	B	3	1	2	1	1	3	1	1	3	1	1	1
	A	3	1	2	1	1	3	1	1	3	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	
89007-X123 SEE NOTE10 LEAD FREE OPTION	E	3	1	3	2	3	2	2	1	1	3	1	
	D	3	1	3	2	3	2	2	1	1	3	1	
	C	3	3	3	3	3	2	2	1	1	3	1	
	B	3	1	3	1	3	2	2	1	1	3	1	
	A	3	1	3	1	3	2	2	1	1	3	1	

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X116 SEE NOTE10 LEAD FREE OPTION	E	5	5	7	5	5	7	5	5	7	5	5	7
	D	5	5	7	5	5	7	5	5	7	7	7	7
	C	5	5	7	5	5	7	5	5	7	7	7	7
	B	5	5	7	5	5	7	5	5	7	7	7	7
	A	5	5	7	5	5	7	5	5	5	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. 1						MOD. 2					
		1	2	3	4	5	6	7	8	9	10	11	12
89007-X120 SEE NOTE10 LEAD FREE OPTION	E	1	1	1	1	1	1	1	1	3	1	1	3
	D	1	1	1	1	1	1	1	1	3	1	1	3
	C	1	1	1	1	1	1	1	1	3	3	3	3
	B	1	1	1	1	1	1	1	1	3	1	1	3
	A	1	1	1	1	1	1	1	1	3	1	1	3

METRAL P/N		ROW	CONTACT CODE MOD. 1						MOD. 2					
			1	2	3	4	5	6	7	8	9	10	11	
 89007-X124 SEE NOTE10 LEAD FREE OPTION	E	1	3	1	3	1	1	3	1	1	3	1		
	D	1	3	1	3	1	1	3	1	1	3	1		
	C	3	3	3	3	3	3	3	3	3	3	3		
	B	1	3	1	3	1	1	3	1	1	3	1		
	A	1	3	1	3	1	1	3	1	1	3	1		

A

B

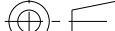
C

D



Copyright FCI.

D

spec ref				dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	11:10	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Michael Song	2014/12/02			ecn no	ELX-DG-19567-1			
				chr	Tian-Zhao Lin	2014/12/03							
				appr	Collins Lu	2014/12/03							product family
surface ✓	linear	0.X	±0.3		title METRAL SIGNAL HEADER 2 MOD, 5 ROW PRESS-FIT				dwg no	89007		rev	AE
		0.XX	±0.13										
		0.XXX	±0.050										
	ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.		*	Product - Customer Drw			sheet 11 of 12	



Copyright FCI.

PRODUCT NUMBER
89007-XYX
89007-XYXLF

- 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 TAIL:
89007-XYX IS SnPb
89007-XYXLF IS SN (LEAD FREE)
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE
LEVEL SHOWN IN TABLE.
 - 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: XXXXX-XXXP OR XXXXX-XXXPLF
 - PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
 - AFTER INSERTION INTO CIRCUIT BOARD WITH
QUALIFIED TOOL.
 - 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.
 - FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.
EXAMPLE: 89007-X01LF
 - REFER TO 85832 FOR OTHER LOAD VARIATIONS.
 - PLATING SPEC REFER TO THE DRAWING 10110324.
 - A Δ 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
-PYY	0.25 um GOLD MIN.	-
-N1YY	TELCORDIA CO (NXT)	-
-N5YY	TELCORDIA UE (NXT)	-
-1YY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-N1YYLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 9
-N5YYLF	TELCORDIA UE (NXT)	SEE NOTE 9
-1YYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 9
-2YYLF	TELECOM CLASS	SEE NOTE 9
-5YYLF	TELCORDIA UE	SEE NOTE 9

spec ref *				dr Terran Huang2010/07/08		projection		mm		size A4		scale 1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng Michael Song2014/12/02						ecn no ELX-DG-19567-1	
ASME Y14.5						chr Tian-Zhao Lin2014/12/03						rel level Released	
						appr Collins Lu2014/12/03						product family METRAL	
surface 3.200 linear		0.X ±0.3				title METRAL SIGNAL HEADER		dwg no 89007		rev AE			
		0.XX ±0.13											
		0.XXX ±0.050											
ASME Y14.5		angular 0° ±2°		www.fci.com		cat. no. -		Product - Customer Drw				sheet 12 of 12	