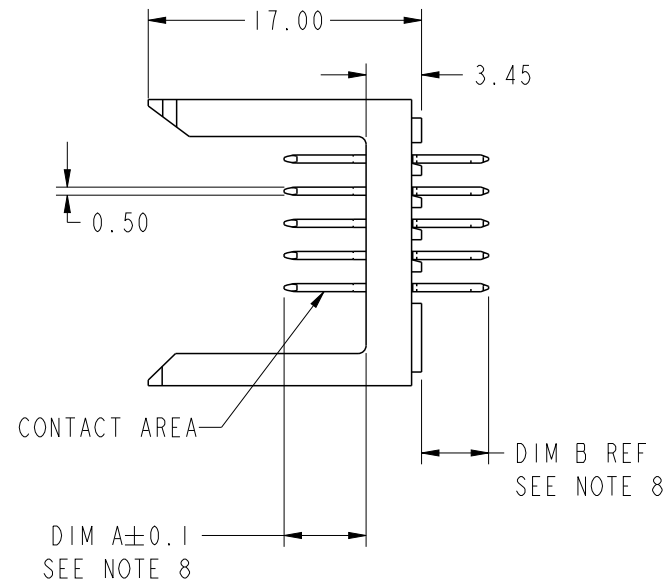
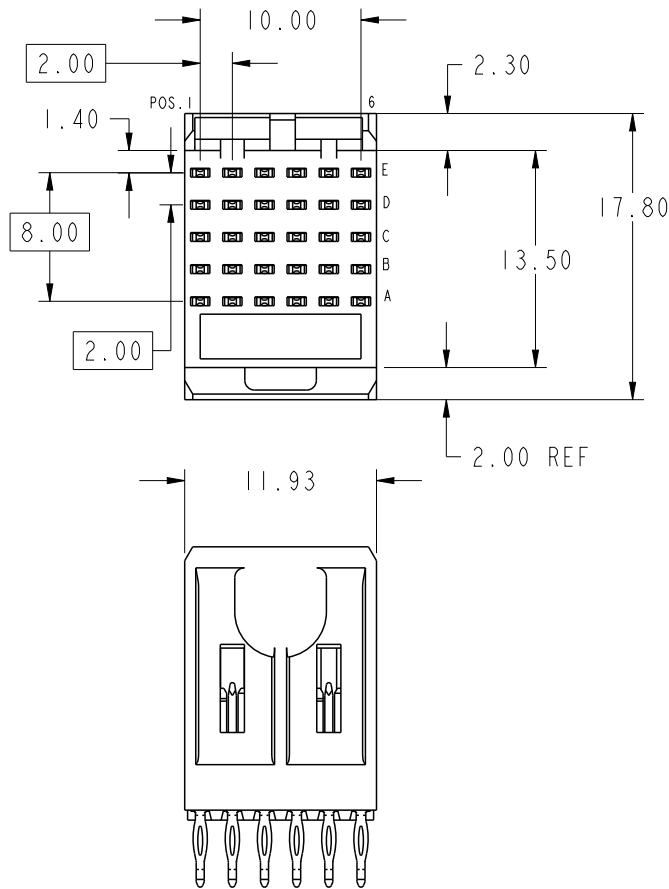




Copyright FCI.

PRODUCT NUMBER
89006-XYX
89006-XYXLF



spec ref	*	dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2014/12/02			ecn no	ELX-DG-19567-1		
ISO 406		chr	Tian-Zhao Lin	2014/12/03			rel level	Released		
ISO 1101		appr	Collins Lu	2014/12/03	product family	METRAL				
surface	3.200 linear				title	METRAL SIGNAL HEADER	dwg no	89006	rev	BF
ISO 1302	angular				1 MOD, 5 ROW PRESS-FIT					
	0.X ±0.3									
	0.XX ±0.13									
	0.XXX ±0.050									
	0° ±2°									
		www.fci.com			cat. no.	-	Product - Customer Drw	sheet 1 of 9		

PrintE File - REV C - 2009-06-09

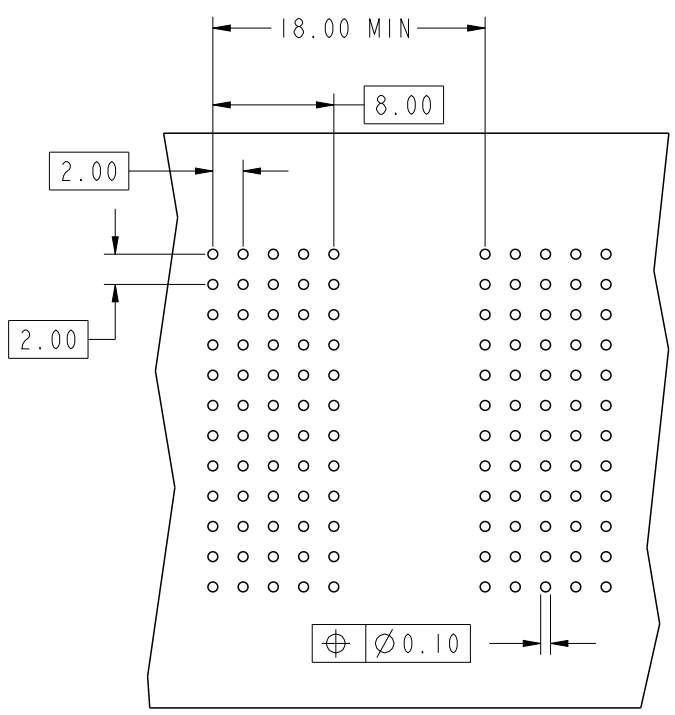
PDS: Rev :BF

STATUS:Released

Printed: Dec 03, 2014

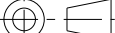


Copyright FCI.



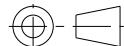
REQUIRED PC BOARD LAYOUT
COMPONENT SIDE
SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

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 Michael Song2014/12/02				ecn no ELX-DG-19567-1							
				chr Tian-Zhao Lin2014/12/03				rel level Released							
				appr Collins Lu2014/12/03											
product family METRAL															
surface 3.200 linear ISO 1302						title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT				dwg no 89006		rev BF			
angular 0° ±2°				www.fci.com		cat. no. -				Product - Customer Drw				sheet 2 of 9	



Copyright FCI.

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														ROW														1 2 3 4 5 6																																									
E														1 1 1 1 1 1														E														4 4 4 4 4 4														E														4 4 4 4 4 4														E														8 8 8 8 8 8														E														6 6 6 6 6 6														E														12 12 12 12 12 12																																									
D														1 1 1 1 1 1														D														3 3 3 3 3 3														D														4 4 4 4 4 4														D														20 20 20 20 20 20														D														6 6 6 6 6 6														D														11 11 11 11 11 11																																									
C														1 1 1 1 1 1														C														4 4 4 4 4 4														C														4 4 4 4 4 4														C														8 8 8 8 8 8														C														6 6 6 6 6 6														C														11 11 11 11 11 11																																									
B														1 1 1 1 1 1														B														4 4 4 4 4 4														B														4 4 4 4 4 4														B														8 8 8 8 8 8														B														6 6 6 6 6 6														B														9 9 9 9 9 9																																									
A														1 1 1 1 1 1														A														4 4 4 4 4 4														A														4 4 4 4 4 4														A														8 8 8 8 8 8														A														20 20 20 20 20 20														A														9 9 9 9 9 9																																									
89006-X10 SEE NOTE 10 LEAD FREE OPTION																												89006-X14 SEE NOTE 10 LEAD FREE OPTION																												89006-X19 SEE NOTE 10 LEAD FREE OPTION																												89006-X23 SEE NOTE 10 LEAD FREE OPTION																												89006-X27 SEE NOTE 10 LEAD FREE OPTION																												89006-X32 SEE NOTE 10 LEAD FREE OPTION																																																							
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														ROW														1 2 3 4 5 6																																									
E														3 3 3 3 3 3														E														1 1 1 1 1 1														E														5 5 5 5 5 5														E														8 8 8 8 8 8														E														8 8 8 8 8 8														E														12 12 12 12 12 12																																									
D														3 3 3 3 3 3														D														1 1 1 1 1 1														D														5 5 5 5 5 5														D														7 7 7 7 7 7														D														8 8 8 8 8 8														D														8 8 8 8 8 8														D														21 21 21 21 21 21													
C														3 3 3 3 3 3														C														1 1 1 1 1 1														C														5 5 5 5 5 5														C														8 8 8 8 8 8														C														8 8 8 8 8 8														C														12 12 12 12 12 12																																									
B														3 3 3 3 3 3														B														1 1 1 1 1 1														B														5 5 5 5 5 5														B														8 8 8 8 8 8														B														8 8 8 8 8 8														B														12 12 12 12 12 12																																									
A														3 3 3 3 3 3														A														3 3 3 3 3 3														A														5 5 5 5 5 5														A														8 8 8 8 8 8														A														8 8 8 8 8 8														A														12 12 12 12 12 12																																									
89006-X11 SEE NOTE 10 LEAD FREE OPTION																												89006-X15 SEE NOTE 10 LEAD FREE OPTION																												89006-X20 SEE NOTE 10 LEAD FREE OPTION																												89006-X24 SEE NOTE 10 LEAD FREE OPTION																												89006-X29 SEE NOTE 10 LEAD FREE OPTION																												89006-X33 SEE NOTE 10 LEAD FREE OPTION																																																							
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														ROW														1 2 3 4 5 6																																									
E														4 4 4 4 4 4														E														2 2 2 2 2 2														E														7 7 7 7 7 7														E														5 5 5 5 5 5														E														9 9 9 9 9 9														E														12 12 12 12 12 12																																									
D														3 3 3 3 3 3														D														2 2 2 2 2 2														D														7 7 7 7 7 7														D														5 5 5 5 5 5														D														9 9 9 9 9 9														D														11 11 11 11 11 11																																									
C														3 3 3 3 3 3														C														2 2 2 2 2 2														C														7 7 7 7 7 7														C														5 5 5 5 5 5														C														9 9 9 9 9 9														C														12 12 12 12 12 12																																									
B														1 1 1 1 1 1														B														2 2 2 2 2 2														B														7 7 7 7 7 7														B														5 5 5 5 5 5														B														9 9 9 9 9 9														B														12 12 12 12 12 12																																									
A														1 1 1 1 1 1														A														2 2 2 2 2 2														A														7 7 7 7 7 7														A														9 9 9 9 9 9														A														12 12 12 12 12 12																																																																					
89006-X12 SEE NOTE 10 LEAD FREE OPTION																												89006-X16 SEE NOTE 10 LEAD FREE OPTION																												89006-X21 SEE NOTE 10 LEAD FREE OPTION																												89006-X25 SEE NOTE 10 LEAD FREE OPTION																												89006-X30 SEE NOTE 10 LEAD FREE OPTION																												89006-X34 SEE NOTE 10 LEAD FREE OPTION																																																							
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														ROW														1 2 3 4 5 6																																									
E														4 4 4 4 4 4														E														2 2 2 2 2 2														E														8 8 8 8 8 8														E														6 6 6 6 6 6														E														11 11 11 11 11 11														E														9 9 9 9 9 9																																									
D														19 19 19 19 19 19														D														2 2 2 2 2 2														D														7 7 7 7 7 7														D														6 6 6 6 6 6														D														11 11 11 11 11 11														D														9 9 9 9 9 9																																									
C														4 4 4 4 4 4														C														2 2 2 2 2 2														C														7 7 7 7 7 7														C														6 6 6 6 6 6														C														11 11 11 11 11 11														C														9 9 9 9 9 9																																									
B														4 4 4 4 4 4														B														2 2 2 2 2 2														B														5 5 5 5 5 5														B														6 6 6 6 6 6														B														11 11 11 11 11 11														B														9 9 9 9 9 9																																									
A														4 4 4 4 4 4														A														19 19 19 19 19 19														A														5 5 5 5 5 5														A														6 6 6 6 6 6														A														11 11 11 11 11 11														A														9 9 9 9 9 9																																									
89006-X13 SEE NOTE 10 LEAD FREE OPTION																												89006-X17 SEE NOTE 10 LEAD FREE OPTION																												89006-X22 SEE NOTE 10 LEAD FREE OPTION																												89006-X26 SEE NOTE 10 LEAD FREE OPTION																												89006-X31 SEE NOTE 10 LEAD FREE OPTION																												89006-X35 SEE NOTE 10 LEAD FREE OPTION																																																							
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																																																																																			
ISO 406																												chr														Tian-Zhao Lin														2014/12/03																																										rel level														Released																																																																																			
ISO 1101																												appr														Collins Lu														2014/12/03														product family														METRAL																																																																																																															
surface														3.200 linear																												METRAL SIGNAL HEADER														dwg no														89006														rev														BF																																																																																																	
ISO 1302														angular														0°														±2°														www.fci.com														cat. no.														-														Product - Customer Drw														sheet 3 of 9																																																																																			



Copyright FCI.

A

B

C

D

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X36 SEE NOTE 10 LEAD FREE OPTION		E	10	10	10	10	10	10
		D	10	10	10	10	10	10
		C	10	10	10	10	10	10
		B	10	10	10	10	10	10
		A	10	10	10	10	10	10

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X41 SEE NOTE 10 LEAD FREE OPTION		E	2	2	2	2	2	2
		D	1	1	1	1	1	1
		C	2	2	2	2	2	2
		B	2	2	2	2	2	2
		A	3	3	3	3	3	3

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X45 SEE NOTE 10 LEAD FREE OPTION		E	1	1	1	1	1	1
		D	19	19	19	19	19	19
		C	1	1	1	1	1	1
		B	19	19	19	19	19	19
		A	1	1	1	1	1	1

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X49 SEE NOTE 10 LEAD FREE OPTION		E	4	4	4	4	4	4
		D	3	3	3	3	3	3
		C	3	3	3	3	3	3
		B	3	3	3	3	3	3
		A	19	19	19	19	19	19

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X53 SEE NOTE 10 LEAD FREE OPTION		E	6	6	6	6	6	6
		D	6	6	6	6	6	6
		C	6	6	6	6	6	6
		B	6	6	6	6	6	6
		A	8	8	8	8	8	8

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X57 SEE NOTE 10 LEAD FREE OPTION		E	6	6	6	6	6	6
		D	7	7	7	7	7	7
		C	6	6	6	6	6	6
		B	6	6	6	6	6	6
		A	7	7	7	7	7	7

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X37 SEE NOTE 10 LEAD FREE OPTION		E	10	10	10	10	10	10
		D	10	10	10	10	10	10
		C	10	10	10	10	10	10
		B	10	10	10	10	10	10
		A	21	21	21	21	21	21

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X42 SEE NOTE 10 LEAD FREE OPTION		E	2	2	2	2	2	2
		D	4	4	4	4	4	4
		C	4	4	4	4	4	4
		B	3	3	3	3	3	3
		A	4	4	4	4	4	4

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X46 SEE NOTE 10 LEAD FREE OPTION		E	2	2	2	2	2	2
		D	2	2	2	2	2	2
		C	4	4	4	4	4	4
		B	2	2	2	2	2	2
		A	2	2	2	2	2	2

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X50 SEE NOTE 10 LEAD FREE OPTION		E	6	6	6	6	6	6
		D	6	6	6	6	6	6
		C	6	6	6	6	6	6
		B	8	8	8	8	8	8
		A	6	6	6	6	6	6

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X54 SEE NOTE 10 LEAD FREE OPTION		E	5	5	5	5	5	5
		D	7	7	7	7	7	7
		C	8	8	8	8	8	8
		B	7	7	7	7	7	7
		A	5	5	5	5	5	5

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X39 SEE NOTE 10 LEAD FREE OPTION		E	12	12	12	12	12	12
		D	12	12	12	12	12	12
		C	12	12	12	12	12	12
		B	12	12	12	12	12	12
		A	12	12	12	12	12	12

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X43 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	4	4	4	4	4	4

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X47 SEE NOTE 10 LEAD FREE OPTION		E	2	2	2	2	2	2
		D	3	3	3	3	3	3
		C	2	2	2	2	2	2
		B	2	2	2	2	2	2
		A	3	3	3	3	3	3

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X51 SEE NOTE 10 LEAD FREE OPTION		E	6	6	6	6	6	6
		D	5	5	5	5	5	5
		C	6	6	6	6	6	6
		B	6	6	6	6	6	6
		A	7	7	7	7	7	7

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X55 SEE NOTE 10 LEAD FREE OPTION		E	5	5	5	5	5	5
		D	20	20	20	20	20	20
		C	5	5	5	5	5	5
		B	20	20	20	20	20	20
		A	5	5	5	5	5	5

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X59 SEE NOTE 10 LEAD FREE OPTION		E	8	8	8	8	8	8
		D	7	7	7	7	7	7
		C	7	7	7	7	7	7
		B	7	7	7	7	7	7
		A	20	20	20	20	20	20

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X40 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	4	4	4	4	4	4
		A	2	2	2	2	2	2

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X44 SEE NOTE 10 LEAD FREE OPTION		E	1	1	1	1	1	1
		D	3	3	3	3	3	3
		C	4	4	4	4	4	4
		B	3	3	3	3	3	3
		A	1	1	1	1	1	1

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X48 SEE NOTE 10 LEAD FREE OPTION		E	19	19	19	19	19	19
		D	19	19	19	19	19	19
		C	19	19	19	19	19	19
		B	19	19	19	19	19	19
		A	19	19	19	19	19	19

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X52 SEE NOTE 10 LEAD FREE OPTION		E	6	6	6	6	6	6
		D	8	8	8	8	8	8
		C	8	8	8	8	8	8
		B	7	7	7	7	7	7
		A	8	8	8	8	8	8

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X56 SEE NOTE 10 LEAD FREE OPTION		E	6	6	6	6	6	6
		D	6	6	6	6	6	6
		C	8	8	8	8	8	8
		B	6	6	6	6	6	6
		A	6	6	6	6	6	6

METRAL P/N		ROW	CONTACT CODE MOD. I					
			1	2	3	4	5	6
89006-X60 SEE NOTE 10 LEAD FREE OPTION		E	10	10	10	10	10	10
		D	10	10	10	10	10	10
		C	10	10	10	10	10	10
		B	12	12	12	12	12	12
		A	10	10	10	10	10	10

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	
ISO 406													
ISO 1101													
chr Tian-Zhao Lin2014/12/03													
appr Collins Lu2014/12/03						product family METRAL				rel level Released			
surface 3.200linear		0.X ±0.3				title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT				dwg no 89006		rev BFB	
		0.XX ±0.13											
		0.XXX ±.050											
ISO 1302		angular 0° ±2°		www.fci.com		cat. no. -		Product - Customer Drw				sheet 4 of 9	



Copyright FCI.

A

B

C

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			89006-X71 SEE NOTE 10 LEAD FREE OPTION		D	21	21	21	21			21	21	89006-X75 SEE NOTE 10 LEAD FREE OPTION		D	4	4			4	4	4	4	89006-X79 SEE NOTE 10 LEAD FREE OPTION		D			19	19	19	19	19	19	89006-X83 SEE NOTE 10 LEAD FREE OPTION			D	20	20	20	20	20	20																			
		C	10	10	10	10	10	10					89006-X70 SEE NOTE 10 LEAD FREE OPTION		C	9	9			9	9			9	9	89006-X74 SEE NOTE 10 LEAD FREE OPTION			C	4	4	4			4			4	4	89006-X78 SEE NOTE 10 LEAD FREE OPTION		C	4				4	4	4	4	4	89006-X82 SEE NOTE 10 LEAD FREE OPTION		C	7	7	7	7	7	7												
		B	10	10	10	10	10	10							89006-X67 SEE NOTE 10 LEAD FREE OPTION		B			21	21			21	21				21	21	89006-X72 SEE NOTE 10 LEAD FREE OPTION				B			4	4			4	4				4	4	89006-X80 SEE NOTE 10 LEAD FREE OPTION		B			3	3	3	3	3	3	89006-X84 SEE NOTE 10 LEAD FREE OPTION		B	20	20	20	20	20	20				
		A	11	11	11	11	11	11									89006-X68 SEE NOTE 10 LEAD FREE OPTION			A	9			9	9				9	9					9			89006-X76 SEE NOTE 10 LEAD FREE OPTION				A	13				13	13			13			13	13	89006-X86 SEE NOTE 10 LEAD FREE OPTION		A	7			7	7	7	7	7						
METRAL P/N		ROW	1	2	3	4	5	6	METRAL P/N		ROW	1							2	3	4	5	6	METRAL P/N				ROW	1	2			3	4	5	6	METRAL P/N					ROW	1	2	3	4	5	6			METRAL P/N			ROW	1			2	3			4	5	6								
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	20	20			20	20	20	20	89006-X82 SEE NOTE 10 LEAD FREE OPTION			E	5			5	5	5	5	5						
		D	12	12	12	12	12	12			89006-X67 SEE NOTE 10 LEAD FREE OPTION		D	10	10	10			10	10	10			89006-X72 SEE NOTE 10 LEAD FREE OPTION		D	2	2	2	2	2	2			89006-X76 SEE NOTE 10 LEAD FREE OPTION		D			4	4	4	4			4	4	89006-X80 SEE NOTE 10 LEAD FREE OPTION		D	16	16	16	16				16	16	89006-X84 SEE NOTE 10 LEAD FREE OPTION		D	5	5	5	5	5	5				
		C	12	12	12	12	12	12					89006-X69 SEE NOTE 10 LEAD FREE OPTION		C	12	12	12	12	12	12					89006-X74 SEE NOTE 10 LEAD FREE OPTION		C	3	3	3	3					3	3	89006-X78 SEE NOTE 10 LEAD FREE OPTION		C	3	3			3	3			3	3	89006-X82 SEE NOTE 10 LEAD FREE OPTION		C			5	5	5			5	5	5								
		B	11	11	11	11	11	11							89006-X70 SEE NOTE 10 LEAD FREE OPTION		B	10	10	10	10							10	10	89006-X76 SEE NOTE 10 LEAD FREE OPTION		B					4	4			4	4	4			4	89006-X80 SEE NOTE 10 LEAD FREE OPTION			B	16			16			16	16	16			16	89006-X84 SEE NOTE 10 LEAD FREE OPTION		B	5	5	5	5	5	5	
		A	12	12	12	12	12	12									89006-X71 SEE NOTE 10 LEAD FREE OPTION		A	10	10							10	10			10					10	89006-X77 SEE NOTE 10 LEAD FREE OPTION			A	13	13			13				13	13			13			89006-X81 SEE NOTE 10 LEAD FREE OPTION		A			20			20	20	20	20	20			
METRAL P/N		ROW	1	2	3	4	5	6	METRAL P/N		ROW	1							2	3	4	5	6	METRAL P/N				ROW	1			2	3	4	5	6	METRAL P/N				ROW	1	2	3	4	5			6	METRAL P/N				ROW	1	2			3	4	5	6										
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			89006-X69 SEE NOTE 10 LEAD FREE OPTION		D	11	11	11			11	11	11			89006-X73 SEE NOTE 10 LEAD FREE OPTION		D	19	19	19	19	19	19			89006-X77 SEE NOTE 10 LEAD FREE OPTION		D			3	3	3	3			3	3	89006-X81 SEE NOTE 10 LEAD FREE OPTION		D	8	8	8	8					8	8												
		C	10	10	10	10	10	10					89006-X70 SEE NOTE 10 LEAD FREE OPTION		C	10	10	10	10	10	10					89006-X76 SEE NOTE 10 LEAD FREE OPTION		C	2	2	2	2					2	2	89006-X80 SEE NOTE 10 LEAD FREE OPTION		C	4	4			4	4			4	4	89006-X84 SEE NOTE 10 LEAD FREE OPTION		C			8	8	8	8	8	8										
		B	10	10	10	10	10	10							89006-X72 SEE NOTE 10 LEAD FREE OPTION		B	10	10	10	10							10	10	89006-X78 SEE NOTE 10 LEAD FREE OPTION		B					3	3			3	3	3			3	89006-X82 SEE NOTE 10 LEAD FREE OPTION			B	8			8			8	8	8	8												
		A	12	12	12	12	12	12									89006-X74 SEE NOTE 10 LEAD FREE OPTION		A	11	11							11	11			11					11	89006-X80 SEE NOTE 10 LEAD FREE OPTION			A	4	4			4				4	4			4			89006-X86 SEE NOTE 10 LEAD FREE OPTION		A	14	14	14	14	14	14							
METRAL P/N		ROW	1	2	3	4	5	6	METRAL P/N		ROW	1							2	3	4	5	6	METRAL P/N				ROW	1			2	3	4	5	6	METRAL P/N				ROW	1	2	3	4	5			6	METRAL P/N				ROW	1	2			3	4	5	6										
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			14	14	14	14	14	14	89006-X84 SEE NOTE 10 LEAD FREE OPTION				E	14	14	14	14	14	14							
		D	11	11	11	11	11	11			89006-X69 SEE NOTE 10 LEAD FREE OPTION		D	21	21	21			21	21	21			89006-X74 SEE NOTE 10 LEAD FREE OPTION		D	1	1	1	1	1	1			89006-X78 SEE NOTE 10 LEAD FREE OPTION		D			6	6	6	6			6	6	89006-X82 SEE NOTE 10 LEAD FREE OPTION		D	8	8	8	8					8	8												
		C	12	12	12	12	12	12					89006-X70 SEE NOTE 10 LEAD FREE OPTION		C	21	21	21	21	21	21					89006-X76 SEE NOTE 10 LEAD FREE OPTION		C	1	1	1	1					1	1	89006-X80 SEE NOTE 10 LEAD FREE OPTION		C	7	7			7	7			7	7	89006-X84 SEE NOTE 10 LEAD FREE OPTION		C			7	7	7	7	7	7										
		B	11	11	11	11	11	11							89006-X72 SEE NOTE 10 LEAD FREE OPTION		B	21	21	21	21							21	21	89006-X78 SEE NOTE 10 LEAD FREE OPTION		B					1	1			1	1	1			1	89006-X82 SEE NOTE 10 LEAD FREE OPTION			B	6			6			6	6	6	6	89006-X86 SEE NOTE 10 LEAD FREE OPTION		B	8	8	8	8	8	8			
		A	9	9	9	9	9	9									89006-X74 SEE NOTE 10 LEAD FREE OPTION		A	21	21							21	21			21					21	89006-X80 SEE NOTE 10 LEAD FREE OPTION			A	6	6			6				6	6			6			89006-X84 SEE NOTE 10 LEAD FREE OPTION		A	14			14	14	14	14	14					
METRAL P/N		ROW	1	2	3	4	5	6	METRAL P/N		ROW	1							2	3	4	5	6	METRAL P/N				ROW	1			2	3	4	5	6	METRAL P/N				ROW	1	2	3	4	5			6	METRAL P/N				ROW	1	2			3	4			5	6								
89006-X65 SEE NOTE 10 LEAD FREE OPTION		E	10	10	10	10	10	10	89006-X69 SEE NOTE 10 LEAD FREE OPTION		E	10	10	10					10	10	10	89006-X73 SEE NOTE 10 LEAD FREE OPTION		E	13	13	13	13	13			13	89006-X77 SEE NOTE 10 LEAD FREE OPTION		E	20	20			20	20	20	20	89006-X81 SEE NOTE 10 LEAD FREE OPTION		E			5	5	5	5	5	5																		
		D	12	12	12	12	12	12			89006-X70 SEE NOTE 10 LEAD FREE OPTION		D	10	10	10			10	10	10			89006-X76 SEE NOTE 10 LEAD FREE OPTION		D	4	4	4	4	4	4			89006-X80 SEE NOTE 10 LEAD FREE OPTION		D			16	16	16	16			16	16	89006-X84 SEE NOTE 10 LEAD FREE OPTION		D	5	5	5	5	5	5																
		C	12	12	12	12	12	12					89006-X72 SEE NOTE 10 LEAD FREE OPTION		C	12	12	12	12	12	12					89006-X78 SEE NOTE 10 LEAD FREE OPTION		C	3	3	3	3					3	3	89006-X82 SEE NOTE 10 LEAD FREE OPTION		C	5	5			5	5			5	5																					
		B	11	11	11	11	11	11							89006-X74 SEE NOTE 10 LEAD FREE OPTION		B	10	10	10	10							10	10	89006-X80 SEE NOTE 10 LEAD FREE OPTION		B					16	16			16	16	16			16	89006-X86 SEE NOTE 10 LEAD FREE OPTION			B	5	5	5	5	5	5																
		A	12	12	12	12	12	12									89006-X76 SEE NOTE 10 LEAD FREE OPTION		A	10	10							10	10			10					10	89006-X82 SEE NOTE 10 LEAD FREE OPTION			A	13	13			13				13	13	13	89006-X88 SEE NOTE 10 LEAD FREE OPTION		A	20	20	20	20	20	20											
METRAL P/N		ROW	1	2	3	4	5	6	METRAL P/N		ROW	1							2	3	4	5	6	METRAL P/N				ROW	1			2	3	4	5	6	METRAL P/N				ROW	1	2	3	4	5			6	METRAL P/N		ROW			1	2	3	4	5	6												
89006-X66 SEE NOTE 10 LEAD FREE OPTION		E	10	10	10	10	10	10	89006-X70 SEE NOTE 10 LEAD FREE OPTION		E	10	10	10					10	10	10	89006-X74 SEE NOTE 10 LEAD FREE OPTION		E	13	13	13	13	13			13	89006-X78 SEE NOTE 10 LEAD FREE OPTION		E	20	20			20	20	20	20	89006-X82 SEE NOTE 10 LEAD FREE OPTION		E			5	5	5	5			5	5																
		D	12	12	12	12	12	12			89006-X72 SEE NOTE 10 LEAD FREE OPTION		D	10	10	10			10	10	10			89006-X78 SEE NOTE 10 LEAD FREE OPTION		D	4	4	4	4	4	4			89006-X82 SEE NOTE 10 LEAD FREE OPTION		D			16	16	16	16			16	16	89006-X86 SEE NOTE 10 LEAD FREE OPTION		D	5	5			5	5	5	5														
		C	12	12	12	12	12	12					89006-X74 SEE NOTE 10 LEAD FREE OPTION		C	12	12	12	12	12	12					89006-X80 SEE NOTE 10 LEAD FREE OPTION		C	3	3	3	3					3	3	89006-X84 SEE NOTE 10 LEAD FREE OPTION		C	5	5			5	5			5	5																					
		B	11	11	11	11	11	11							89006-X76 SEE NOTE 10 LEAD FREE OPTION		B	10	10																																																					



Copyright FCI.

A

B

C

D

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X85 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7
	D	7	7	7	7	7	7
	C	6	6	6	6	6	6
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X86 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	5
	D	5	5	5	5	5	5
	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	8	8	8	8	8	8
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X87 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7
	D	20	20	20	20	20	20
	C	8	8	8	8	8	8
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X88 SEE NOTE 10 LEAD FREE OPTION	E	14	14	14	14	14	14
	D	17	17	17	17	17	17
	C	6	6	6	6	6	6
	B	17	17	17	17	17	17
	A	14	14	14	14	14	14
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X89 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7
	D	7	7	7	7	7	7
	C	8	8	8	8	8	8
	B	17	17	17	17	17	17
	A	20	20	20	20	20	20
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X90 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	10	10	10	10	10	10
	C	11	11	11	11	11	11
	B	10	10	10	10	10	10
	A	10	10	10	10	10	10
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X91 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11	11
	D	21	21	21	21	21	21
	C	11	11	11	11	11	11
	B	21	21	21	21	21	21
	A	11	11	11	11	11	11
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X92 SEE NOTE 10 LEAD FREE OPTION	E	21	21	21	21	21	21
	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	21	21	21	21	21	21
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X93 SEE NOTE 10 LEAD FREE OPTION	E	12	12	12	12	12	12
	D	12	12	12	12	12	12
	C	12	12	12	12	12	12
	B	12	12	12	12	12	12
	A	15	15	15	15	15	15
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X94 SEE NOTE 10 LEAD FREE OPTION	E	15	15	15	15	15	15
	D	12	12	12	12	12	12
	C	11	11	11	11	11	11
	B	12	12	12	12	12	12
	A	15	15	15	15	15	15
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X95 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11	11
	D	11	11	11	11	11	11
	C	10	10	10	10	10	10
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X96 SEE NOTE 10 LEAD FREE OPTION	E	9	9	9	9	9	9
	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	12	12	12	12	12	12
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X97 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11	11
	D	21	21	21	21	21	21
	C	12	12	12	12	12	12
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X98 SEE NOTE 10 LEAD FREE OPTION	E	15	15	15	15	15	15
	D	18	18	18	18	18	18
	C	10	10	10	10	10	10
	B	18	18	18	18	18	18
	A	15	15	15	15	15	15
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X99 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11	11
	D	11	11	11	11	11	11
	C	12	12	12	12	12	12
	B	18	18	18	18	18	18
	A	21	21	21	21	21	21
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X100 SEE NOTE 10 LEAD FREE OPTION	E	1	3	2	3	1	3
	D	1	3	2	3	1	3
	C	1	3	2	3	1	3
	B	1	3	2	3	1	3
	A	1	3	2	3	1	3
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X101 SEE NOTE 10 LEAD FREE OPTION	E	1	1	4	4	4	4
	D	1	1	4	4	4	4
	C	1	1	4	4	4	4
	B	1	1	4	4	4	4
	A	1	1	4	4	4	4
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X102 SEE NOTE 10 LEAD FREE OPTION	E	19	2	19	2	2	2
	D	19	2	19	2	2	2
	C	19	1	19	2	2	2
	B	19	2	19	2	2	2
	A	19	2	19	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X103 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	19	2	2
	D	2	2	2	19	2	2
	C	2	1	2	19	2	2
	B	2	19	19	19	2	2
	A	2	19	19	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X104 SEE NOTE 10 LEAD FREE OPTION	E	19	2	2	2	2	2
	D	19	2	2	2	2	2
	C	19	2	2	2	2	1
	B	19	2	2	2	2	2
	A	19	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X105 SEE NOTE 10 LEAD FREE OPTION	E	19	2	19	2	2	2
	D	19	2	19	2	2	2
	C	19	2	19	2	2	2
	B	19	2	19	2	2	2
	A	19	2	19	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X106 SEE NOTE 10 LEAD FREE OPTION	E	19	2	19	2	2	2
	D	19	2	19	2	2	1
	C	19	2	19	2	2	2
	B	19	2	19	2	2	2
	A	19	2	19	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X107 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	2	2	2	2	2	1
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X108 SEE NOTE 10 LEAD FREE OPTION	E	19	19	2	2	2	2
	D	19	19	2	1	2	2
	C	19	19	2	2	2	2
	B	19	19	2	2	2	2
	A	19	2	2	2	2	2

A

B

C

D

spec ref	*	dr	Terran Huang	2010/07/08	projection		mm	size	A4	scale	1:1
tolerance std	ISO 406 ISO 1101	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	appr	Collins Lu	2014/12/03	product family	METRAL	rel level	Released	rev	BF	
ISO 1302	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 6 of 9			

Print File - REV C - 2009-06-09



Copyright FCI.

A

B

C

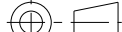
D

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		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Michael Song 2014/12/02				ecn no ELX-DG-19567-1	
ISO 406 ISO 1101				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 1 MOD, 5 ROW PRESS-FIT	dwg no 89006		rev BF	
		0.XX	±0.13						
		0.XXX	±.050						
ISO 1302	angular	0°	±2°	www.fci.com	cat. no. -	Product - Customer Drw		sheet 7 of 9	



Copyright FCI.

A

B

C

D

METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I						METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6			1	2	3	4	5	6
89006-X133 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	89006-X137 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	3	2	89006-X141 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	3	3	89006-X145 SEE NOTE 10 LEAD FREE OPTION	E	5	5	1	1	7	5
	D	2	2	2	2	2	2		D	2	2	2	3	3	2		D	1	1	1	1	3	3		D	5	5	1	1	7	5
	C	2	2	2	2	2	2		C	2	2	2	3	3	2		C	3	3	3	3	3	3		C	5	5	1	1	7	7
	B	2	2	2	2	2	2		B	2	2	2	3	3	2		B	1	1	1	1	3	1		B	5	5	1	1	7	5
	A	2	2	1	2	2	2		A	2	2	2	3	3	2		A	1	1	1	1	3	1		A	5	5	1	1	7	5

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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X138 SEE NOTE 10 LEAD FREE OPTION	E	2	3	2	2	2	2
	D	2	3	2	2	2	2
	C	2	3	2	2	2	2
	B	2	3	2	2	2	2
	A	2	2	2	2	2	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89006-X142 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	3	3
	D	2	2	2	3	3	3
	C	2	2	2	3	3	3
	B	2	2	2	3	3	3
	A	2	2	2	3	3	3

BF

METRAL P/N		CONTACT CODE MOD. I					
ROW		1	2	3	4	5	6
89006-X135 SEE NOTE 10 LEAD FREE OPTION	E	2	3	2	2	2	2
	D	2	3	2	2	2	2
	C	2	3	2	2	2	2
	B	2	3	2	2	2	2
	A	2	2	2	2	2	2

METRAL P/N		CONTACT CODE MOD. I					
ROW		1	2	3	4	5	6
89006-X139 SEE NOTE 10 LEAD FREE OPTION	E	59	59	11	6	6	11
	D	59	59	11	6	6	11
	C	59	59	11	6	6	11
	B	59	59	11	6	6	11
	A	59	59	11	6	6	11

METRAL P/N		CONTACT CODE MOD. I					
ROW		1	2	3	4	5	6
89006-X143 SEE NOTE 10 LEAD FREE OPTION	E	3	1	3	1	3	3
	D	3	1	3	1	3	3
	C	3	3	3	1	3	3
	B	3	1	3	1	3	3
	A	3	1	3	1	3	3



METRAL P/N							CONTACT CODE MOD. I								
ROW	1	2	3	4	5	6	ROW	1	2	3	4	5	6		
89006-X136 SEE NOTE 10 LEAD FREE OPTION	E	2	3	2	3	2	2	89006-X140 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1
	D	2	3	2	3	2	2		D	1	1	1	1	3	1
	C	2	3	2	3	2	2		C	1	1	1	1	1	1
	B	2	3	2	3	2	2		B	1	1	1	1	1	1
	A	2	3	2	3	2	2		A	1	1	1	1	1	1

BF

METRAL P/N							CONTACT CODE MOD. I								
ROW	1	2	3	4	5	6	ROW	1	2	3	4	5	6		
89006-X144 SEE NOTE 10 LEAD FREE OPTION	E	7	5	5	5	5	5	89006-X148 SEE NOTE 10 LEAD FREE OPTION	E	7	5	5	5	5	5
	D	7	5	5	5	5	5		D	7	5	5	5	5	5
	C	7	5	5	5	5	5		C	7	5	5	5	5	5
	B	7	5	5	5	5	5		B	7	5	5	5	5	5
	A	7	5	5	5	5	5		A	7	5	5	5	5	5

BF

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	
ISO 406						chr Tian-Zhao Lin2014/12/03						rel level Released	
ISO 1101						appr Collins Lu2014/12/03						product family METRAL	
surface 3.2		linear		0.X ±0.3				title METRAL SIGNAL HEADER		dwg no 89006		rev B	
		0.XX ±0.13		I MOD, 5 ROW PRESS-FIT									
		0.XXX ±.050											
ISO 1302		angular		0° ±2°		www.fci.com		cat. no. -		Product - Customer Drw		sheet 8 of 9	



Copyright FCI.

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 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
-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)	SEE NOTE 9
-N5YYLF	TELCORDIA UE (NXT)	SEE NOTE 9
-IYYLF	TELCORDIA CO	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	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Michael Song	2014/12/02			ecn no	ELX-DG-19567-1	rel level	Released	
ISO 406		chr	Tian-Zhao Lin	2014/12/03							
ISO 1101		appr	Collins Lu	2014/12/03	product family	METRAL					
surface	3.200 linear		title	METRAL SIGNAL HEADER	dwg no	89006	rev	BF			
	0.X								±0.3		
	0.XX								±0.13		
	0.XXX	±.050									
ISO 1302	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 9 of 9			