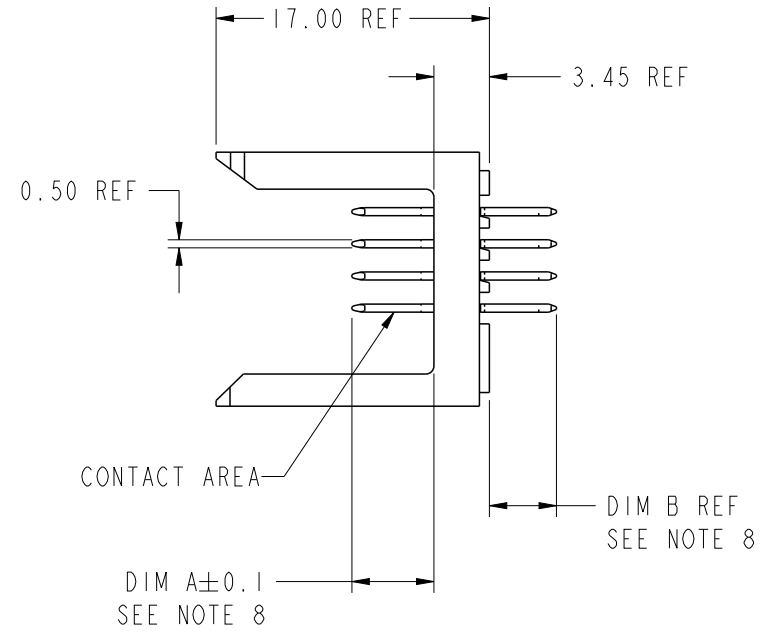
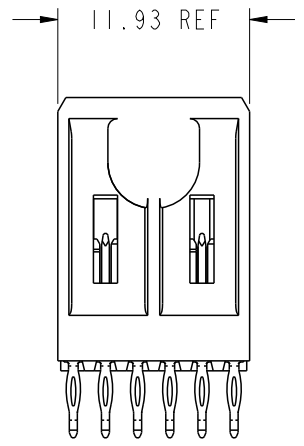
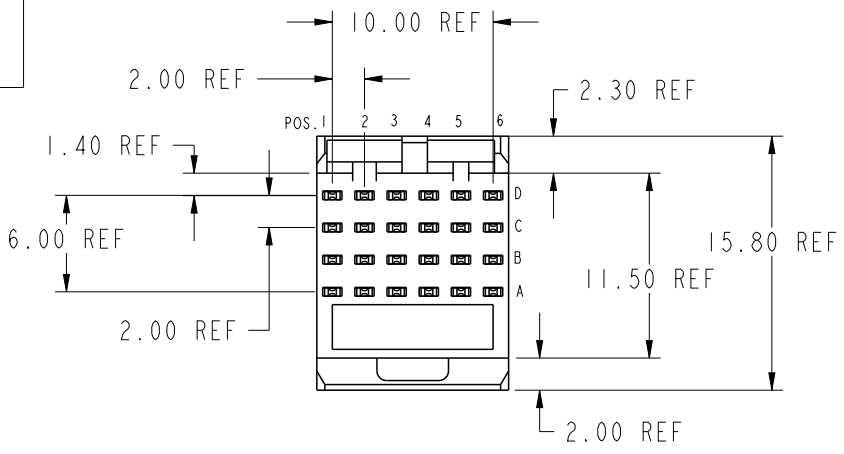


PRODUCT NUMBER  
 89073-XXX  
 OR  
 89073-YYYY  
 89073-XYLFF  
 OR  
 89073-YYLFF



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spec ref	*	dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terran Huang	2011/08/11			ecn no	ELX-DG-004963-1		
		chr	-	-						
surface	3.200 linear	appr	Pei-Ming Zheng	2011/08/11	product family	METRAL		rel level	Released	
	0.X	±0.3		title	METRAL SIGNAL HEADER			dwg no	89073	rev
	0.XX	±0.13								
	0.XXX	±0.051								
	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 10	CE	

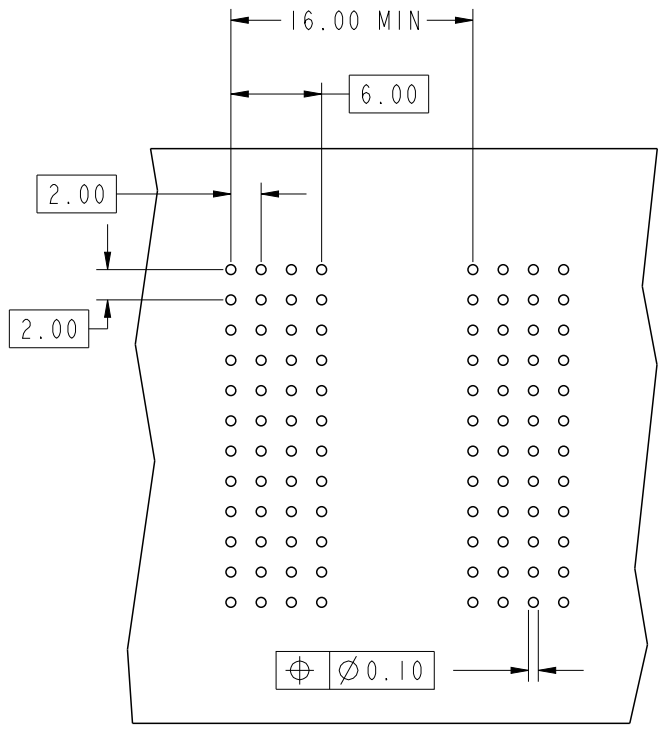
Print File - REV C - 2009-06-09

A

B

C

D



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
11	6.50	17.00
12	7.25	17.00
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
24	6.50	16.30
25	5.75	15.60
26	5.00	14.90

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



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spec ref	*	dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terran Huang	2011/08/11			ecn no		ELX-DG-004963-1	
		chr	-	-			rel level		Released	
surface	3.200 linear	appr	Pei-Ming Zheng	2011/08/11	product family		METRAL		rev	
	0.X ±0.3			title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT		dwg no 89073		rev CE		
	0.XX ±0.13									
	0.XXX ±.051									
	angular 0° ±2°	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 2 of 10			

A

A

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X01 SEE NOTE 11 LEAD FREE OPTION	D	-	-	-	-	3	3
	C	-	-	-	-	3	3
	B	-	-	-	-	3	3
	A	-	-	-	-	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X06 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	4	1
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X11 SEE NOTE 11 LEAD FREE OPTION	D	22	22	22	22	22	22
	C	22	22	22	22	22	22
	B	22	22	22	22	22	22
	A	22	22	22	22	22	22

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X16 SEE NOTE 11 LEAD FREE OPTION	D	4	3	3	4	3	3
	C	4	3	3	4	3	3
	B	4	3	3	4	3	3
	A	4	3	3	4	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X02 SEE NOTE 11 LEAD FREE OPTION	D	3	3	19	3	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X07 SEE NOTE 11 LEAD FREE OPTION	D	1	-	1	-	1	-
	C	-	1	-	1	-	1
	B	1	-	1	-	1	-
	A	-	1	-	1	-	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X12 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	-	-
	C	3	3	3	3	-	-
	B	3	3	3	3	-	-
	A	3	3	3	3	-	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X17 SEE NOTE 11 LEAD FREE OPTION	D	2	1	1	1	1	1
	C	2	1	1	1	1	1
	B	2	3	1	1	1	1
	A	2	3	1	1	1	1

B

B

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X03 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	19	3	

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X08 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	3	2	2
	C	1	1	1	3	2	2
	B	1	1	1	3	2	2
	A	1	1	1	3	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X13 SEE NOTE 11 LEAD FREE OPTION	D	-	-	3	3	3	3
	C	-	-	3	3	3	3
	B	-	-	3	3	3	3
	A	-	-	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X18 SEE NOTE 11 LEAD FREE OPTION	D	1	-	1	-	1	-
	C	-	2	-	1	-	3
	B	1	-	2	-	3	-
	A	-	1	-	1	-	3

C

C

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X04 SEE NOTE 11 LEAD FREE OPTION	D	19	3	3	3	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X09 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	7
	C	6	6	6	6	6	7
	B	6	6	6	6	6	7
	A	6	6	6	6	6	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X14 SEE NOTE 11 LEAD FREE OPTION	D	-	1	-	1	-	1
	C	1	-	1	-	1	-
	B	-	1	-	1	-	1
	A	1	-	1	-	1	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X19 SEE NOTE 11 LEAD FREE OPTION	D	1	2	2	1	1	1
	C	1	2	2	1	1	1
	B	1	1	1	1	1	1
	A	3	3	3	3	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X05 SEE NOTE 11 LEAD FREE OPTION	D	3	-	3	-	3	-
	C	3	-	4	-	2	-
	B	3	-	3	-	3	-
	A	3	-	3	-	3	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X10 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	3	3	1	1	1	1
	A	3	3	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X15 SEE NOTE 11 LEAD FREE OPTION	D	19	2	4	4	4	19
	C	19	3	4	4	4	4
	B	19	3	4	4	4	4
	A	19	3	1	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X20 SEE NOTE 11 LEAD FREE OPTION	D	19	19	1	1	1	1
	C	19	19	1	1	1	1
	B	19	19	1	1	1	1
	A	19	19	1	1	1	1

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spec ref *		dr <b>Terran Huang</b>		2010/07/08		projection		size		scale							
tolerance std		eng <b>Terran Huang</b>		2011/08/11				mm		A4							
TOLERANCES UNLESS OTHERWISE SPECIFIED surface 3.2 $\sqrt{}$ 200 linear		chr -		-								ecn no		ELX-DG-004963-1			
		appr <b>Pei-Ming Zheng</b>		2011/08/11		product family		METRAL		rel level		Released					
angular 0°		0.X ±0.3		0.XX ±0.13				title		METRAL SIGNAL HEADER		dwg no		89073		rev	
±2°		0.XXX ±.051		www.fci.com													

A

A

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X21 SEE NOTE 11 LEAD FREE OPTION	D	5	5	5	5	5	5
	C	7	7	7	7	7	7
	B	5	5	5	5	5	5
	A	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X26 SEE NOTE 11 LEAD FREE OPTION	D	3	1	1	1	1	3
	C	3	1	1	1	1	3
	B	3	1	1	1	1	3
	A	3	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X31 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	8
	C	7	7	7	7	7	8
	B	7	7	7	7	7	8
	A	7	7	7	7	7	8

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X36 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3
	C	3	3	4	3	2	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X22 SEE NOTE 11 LEAD FREE OPTION	D	4	3	4	2	2	3
	C	4	3	4	2	2	3
	B	4	3	4	2	2	3
	A	4	3	4	1	4	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X27 SEE NOTE 11 LEAD FREE OPTION	D	19	3	4	4	3	3
	C	19	3	4	4	3	3
	B	19	3	4	4	3	3
	A	19	3	4	4	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X32 SEE NOTE 11 LEAD FREE OPTION	D	8	8	8	8	7	7
	C	8	8	8	8	7	7
	B	8	8	8	8	7	7
	A	8	8	8	8	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X37 SEE NOTE 11 LEAD FREE OPTION	D	8	7	7	8	7	7
	C	8	7	7	8	7	7
	B	8	7	7	8	7	7
	A	8	7	7	8	7	7

B

B

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X23 SEE NOTE 11 LEAD FREE OPTION	D	3	1	1	1	1	1
	C	3	1	1	1	1	1
	B	3	1	1	1	1	1
	A	3	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X28 SEE NOTE 11 LEAD FREE OPTION	D	19	3	19	19	3	3
	C	19	3	19	19	3	3
	B	19	3	19	19	3	3
	A	19	3	19	19	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X33 SEE NOTE 11 LEAD FREE OPTION	D	19	3	19	19	4	4
	C	19	3	19	19	4	4
	B	19	3	19	19	4	4
	A	19	3	19	19	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X38 SEE NOTE 11 LEAD FREE OPTION	D	3	4	2	2	2	2
	C	3	4	2	2	2	2
	B	3	4	2	2	2	2
	A	3	4	2	2	2	2

C

C

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X24 SEE NOTE 11 LEAD FREE OPTION	D	19	3	3	3	3	1
	C	19	3	3	3	3	1
	B	19	3	3	3	3	2
	A	19	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X29 SEE NOTE 11 LEAD FREE OPTION	D	2	3	3	3	3	19
	C	2	3	3	3	3	19
	B	2	3	3	3	3	19
	A	2	3	3	3	3	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X34 SEE NOTE 11 LEAD FREE OPTION	D	3	2	2	2	2	2
	C	3	2	2	2	2	2
	B	3	2	2	2	1	2
	A	3	2	2	2	3	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X39 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	19	3	3
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X25 SEE NOTE 11 LEAD FREE OPTION	D	19	3	3	3	3	19
	C	19	3	3	3	3	3
	B	19	3	3	3	3	3
	A	19	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X30 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	4
	C	3	3	3	3	3	4
	B	3	3	3	3	3	4
	A	3	3	3	3	3	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X35 SEE NOTE 11 LEAD FREE OPTION	D	3	3	-	3	3	-
	C	-	-	-	-	-	-
	B	-	-	-	-	-	-
	A	3	3	-	3	3	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X40 SEE NOTE 11 LEAD FREE OPTION	D	3	4	4	3	2	2
	C	3	4	4	3	2	2
	B	3	4	4	3	2	2
	A	3	4	4	3	2	2



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D

D

spec ref *		dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	1:1
tolerance std		eng	Terran Huang	2011/08/11					ecn no ELX-DG-004963-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-	product family	METRAL			rel level Released	
surface	3.2	linear	0.X	±0.3		title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT	dwg no 89073	rev		
		0.XX	±0.13	CE						
		0.XXX	±.051							
angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw		sheet 4 of 10		

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X41 SEE NOTE 11 LEAD FREE OPTION	D	4	4	2	3	3	3
	C	2	2	4	2	4	4
	B	2	2	4	4	2	2
	A	2	2	4	2	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X46 SEE NOTE 11 LEAD FREE OPTION	D	20	7	7	7	7	7
	C	20	7	7	7	7	7
	B	20	7	7	7	7	7
	A	20	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X51 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	6	8
	C	7	7	7	7	6	8
	B	7	7	7	7	6	8
	A	7	7	7	7	6	8

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X56 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	2	4	4
	C	3	3	3	2	4	4
	B	3	3	3	2	4	4
	A	3	3	3	2	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X42 SEE NOTE 11 LEAD FREE OPTION	D	1	4	1	1	1	1
	C	1	4	1	1	1	1
	B	1	4	1	1	1	1
	A	1	4	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X47 SEE NOTE 11 LEAD FREE OPTION	D	20	7	7	7	7	5
	C	20	7	7	7	7	5
	B	20	7	7	7	7	6
	A	20	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X52 SEE NOTE 11 LEAD FREE OPTION	D	8	7	7	7	7	8
	C	8	7	7	7	7	8
	B	8	7	7	7	7	8
	A	8	7	7	7	7	8

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X57 SEE NOTE 11 LEAD FREE OPTION	D	2	3	1	1	1	1
	C	2	3	1	1	1	1
	B	2	3	1	1	1	1
	A	2	3	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X43 SEE NOTE 11 LEAD FREE OPTION	D	14	14	14	14	14	14
	C	14	20	14	20	14	20
	B	20	20	20	20	20	20
	A	14	14	14	14	14	14

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X48 SEE NOTE 11 LEAD FREE OPTION	D	5	5	20	5	5	5
	C	5	5	20	5	5	5
	B	5	5	20	5	5	5
	A	5	5	20	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X53 SEE NOTE 11 LEAD FREE OPTION	D	2	2	4	3	3	4
	C	2	2	4	3	3	4
	B	2	2	4	3	3	4
	A	2	2	4	3	3	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X58 SEE NOTE 11 LEAD FREE OPTION	D	5	6	8	5	5	7
	C	5	6	8	5	5	7
	B	5	5	5	5	5	5
	A	5	5	5	5	5	5

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X44 SEE NOTE 11 LEAD FREE OPTION	D	13	13	13	13	13	13
	C	13	19	13	19	13	19
	B	19	19	19	19	19	19
	A	13	13	13	13	13	13

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X49 SEE NOTE 11 LEAD FREE OPTION	D	2	2	4	4	2	19
	C	2	2	4	4	2	19
	B	2	2	4	4	2	19
	A	2	2	4	4	2	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X54 SEE NOTE 11 LEAD FREE OPTION	D	2	2	4	3	3	4
	C	2	2	4	3	3	4
	B	2	2	4	3	3	4
	A	2	2	4	3	3	4

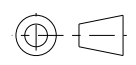

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X59 SEE NOTE 11 LEAD FREE OPTION	D	7	6	8	7	7	7
	C	7	6	8	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X45 SEE NOTE 11 LEAD FREE OPTION	D	1	1	-	-	1	1
	C	1	1	-	-	1	1
	B	1	1	-	-	1	1
	A	1	1	-	-	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X50 SEE NOTE 11 LEAD FREE OPTION	D	7	7	6	6	6	6
	C	7	7	6	6	6	6
	B	7	7	6	6	6	6
	A	7	7	6	6	6	6

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X55 SEE NOTE 11 LEAD FREE OPTION	D	2	3	3	3	4	4
	C	2	3	3	3	4	4
	B	2	3	3	3	4	4
	A	1	3	3	3	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X60 SEE NOTE 11 LEAD FREE OPTION	D	4	2	2	4	2	2
	C	4	2	2	4	2	2
	B	4	2	2	4	2	2
	A	4	2	2	4	2	2

spec ref *		dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	1:1
tolerance std		eng	Terran Huang	2011/08/11			ecn no	ELX-DG-004963-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-				rel level		Released
surface	3.200 linear	appr	Pei-Ming Zheng	2011/08/11	product family		METRAL	rev		
	0.X ±0.3	FCJ		title		METRAL SIGNAL HEADER		dwg no		89073
	0.XX ±0.13	www.fci.com		cat. no.		-		Product - Customer Drw		sheet 5 of 10
	0.XXX ±0.051									CE
	angular 0° ±2°									



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1

2

3

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A

A

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X61 SEE NOTE 11 LEAD FREE OPTION	D	4	4	2	2	3	3
	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
89073-X66 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	4	4	4
	C	4	4	4	4	4	2
	B	4	4	4	4	4	2
	A	4	4	4	4	4	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X71 SEE NOTE 11 LEAD FREE OPTION	D	2	3	3	2	4	2
	C	2	3	3	2	4	2
	B	2	3	3	2	4	2
	A	2	3	3	2	4	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X76 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	2	3	1
	C	2	1	1	2	2	1
	B	2	1	1	2	2	1
	A	2	1	1	2	2	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X62 SEE NOTE 11 LEAD FREE OPTION	D	7	8	6	8	7	7
	C	7	8	6	8	7	7
	B	7	8	6	8	7	7
	A	7	8	6	8	7	7

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X67 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	4	3	3
	C	4	4	4	4	3	3
	B	4	4	4	4	3	3
	A	4	4	4	4	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X72 SEE NOTE 11 LEAD FREE OPTION	D	4	2	2	2	2	4
	C	4	2	2	2	2	4
	B	4	2	2	2	2	4
	A	4	2	2	2	2	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X77 SEE NOTE 11 LEAD FREE OPTION	D	1	3	2	3	2	3
	C	1	3	2	3	2	3
	B	1	3	2	3	2	3
	A	1	3	2	3	2	3

B

B

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X63 SEE NOTE 11 LEAD FREE OPTION	D	1	2	2	1	2	2
	C	1	2	2	1	2	2
	B	1	2	2	1	2	2
	A	1	2	2	1	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X68 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	4	4	2
	C	4	4	4	4	4	2
	B	4	4	4	4	4	2
	A	4	4	4	4	4	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X73 SEE NOTE 11 LEAD FREE OPTION	D	-	-	-	-	-	-
	C	-	-	-	-	-	-
	B	-	-	-	-	-	-
	A	-	-	-	-	-	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X78 SEE NOTE 11 LEAD FREE OPTION	D	2	2	3	2	2	2
	C	2	2	3	2	2	2
	B	2	2	3	2	2	2
	A	2	2	3	2	2	2

C

C

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X64 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	1	3	3
	C	3	3	3	1	3	3
	B	3	3	3	1	3	3
	A	3	3	3	1	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X69 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	3	3
	C	2	2	2	2	3	3
	B	2	2	2	2	3	3
	A	2	2	2	2	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X74 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3
	C	4	4	4	3	3	3
	B	4	3	4	3	3	3
	A	4	4	4	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X79 SEE NOTE 11 LEAD FREE OPTION	D	2	3	2	3	2	3
	C	2	3	2	3	2	3
	B	2	3	2	3	2	3
	A	2	3	2	3	2	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X65 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	4	4	4
	C	4	4	4	4	4	4
	B	4	4	4	4	4	2
	A	4	4	4	4	4	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X70 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	4	4	4
	C	19	19	19	19	19	19
	B	4	4	4	4	4	4
	A	19	19	19	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X75 SEE NOTE 11 LEAD FREE OPTION	D	11	11	11	11	11	11
	C	12	12	12	11	11	11
	B	12	11	12	11	11	11
	A	12	12	12	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X80 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2
	C	2	2	2	2	2	2
	B	2	2	2	2	2	4
	A	2	2	2	2	2	2

D

D

spec ref *		dr Terran Huang		2010/07/08		projection		size A4		scale 1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng Terran Huang		2011/08/11		ecn no ELX-DG-004963-1	
surface $\sqrt{3.2}$		0.X ±0.3		FCI		chr -		-		rel level Released	
linear		0.XX ±0.13		www.fci.com		appr Pei-Ming Zheng		2011/08/11		product family METRAL	
angular 0°		±2°		cat. no.		-		Product - Customer Drw		sheet 6 of 10	
		title METRAL SIGNAL HEADER				dwg no 89073				rev CE	



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A

A

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X81 SEE NOTE 11 LEAD FREE OPTION	D	2	4	2	2	4	2
	C	2	4	2	2	4	2
	B	2	4	2	2	4	2
	A	2	4	2	2	4	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X86 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	3	3
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	1	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X91 SEE NOTE 11 LEAD FREE OPTION	D	19	3	3	3	3	3
	C	19	3	3	2	3	3
	B	19	3	3	3	3	3
	A	19	3	1	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X96 SEE NOTE 11 LEAD FREE OPTION	D	2	-	2	-	2	2
	C	-	2	-	2	-	2
	B	2	-	2	-	2	2
	A	-	2	-	2	-	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X82 SEE NOTE 11 LEAD FREE OPTION	D	2	2	4	4	4	4
	C	2	2	4	2	2	4
	B	2	2	4	2	2	4
	A	2	2	4	2	2	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X87 SEE NOTE 11 LEAD FREE OPTION	D	2	-	2	2	2	-
	C	2	-	-	-	2	-
	B	-	-	-	-	2	-
	A	2	2	2	2	2	-

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X92 SEE NOTE 11 LEAD FREE OPTION	D	19	2	3	3	3	3
	C	19	3	3	3	3	3
	B	19	3	3	3	3	3
	A	19	3	1	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X97 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6
	C	6	6	6	6	6	6
	B	6	6	6	6	6	8
	A	6	6	6	6	6	6

B

B

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X83 SEE NOTE 11 LEAD FREE OPTION	D	3	3	4	4	3	3
	C	3	3	4	4	3	3
	B	3	3	4	4	3	3
	A	3	3	4	4	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X88 SEE NOTE 11 LEAD FREE OPTION	D	1	-	-	1	1	1
	C	-	-	-	1	1	1
	B	-	-	-	1	1	1
	A	1	-	-	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X93 SEE NOTE 11 LEAD FREE OPTION	D	26	23	25	23	12	12
	C	23	23	25	23	12	12
	B	24	23	25	23	12	12
	A	23	23	25	23	12	12

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X98 SEE NOTE 11 LEAD FREE OPTION	D	6	7	7	6	8	8
	C	6	7	7	6	8	8
	B	6	7	7	6	8	8
	A	6	7	7	6	8	8

C

C

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X84 SEE NOTE 11 LEAD FREE OPTION	D	1	-	1	-	1	-
	C	1	1	-	1	-	1
	B	1	-	1	-	1	-
	A	1	1	-	1	-	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X89 SEE NOTE 11 LEAD FREE OPTION	D	3	3	2	2	2	2
	C	3	3	2	2	2	2
	B	3	3	2	2	2	2
	A	3	3	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X94 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	1	1	1
	C	1	1	1	1	1	1
	B	3	3	3	3	1	1
	A	3	3	3	3	1	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X99 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3
	C	4	4	4	2	4	2
	B	4	3	4	2	4	2
	A	3	4	4	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X85 SEE NOTE 11 LEAD FREE OPTION	D	1	1	1	3	3	3
	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
89073-X90 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	1	19
	C	3	3	3	3	2	19
	B	3	3	3	3	3	19
	A	3	3	3	3	3	19

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X95 SEE NOTE 11 LEAD FREE OPTION	D	1	-	1	-	1	1
	C	-	1	-	1	-	1
	B	1	-	1	-	1	1
	A	-	1	-	1	-	1

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X100 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	4	2	4
	C	4	4	4	4	2	4
	B	4	4	4	4	2	4
	A	4	4	4	4	2	4

D

D

spec ref	*	dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Terran Huang	2011/08/11	ecn no		ELX-DG-004963-1		
surface	3.2	linear	0.X	±0.3	FCj	title	METRAL	rel level	Released		
		angular	0°	±2°					rev	CE	
www.fcj.com		cat. no.	-			product family	Product - Customer Drw		sheet 7 of 10		
dwg no		89073		rev							



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A	METRAL P/N	CONTACT CODE MOD. I	89073-X101 SEE NOTE 11 LEAD FREE OPTION	ROW	1	2	3	4	5	6
	D	2		2	2	2	2	2		
	C	2		1	2	2	2	2		
	B	2		2	2	2	2	2		
B	METRAL P/N	CONTACT CODE MOD. I	89073-X102 SEE NOTE 11 LEAD FREE OPTION	ROW	1	2	3	4	5	6
	D	6		8	8	6	20	20		
	C	6		8	8	6	20	20		
	B	6		8	8	6	20	20		
C	METRAL P/N	CONTACT CODE MOD. I	89073-X103 SEE NOTE 11 LEAD FREE OPTION	ROW	1	2	3	4	5	6
	D	2		4	4	2	19	19		
	C	2		4	4	2	19	19		
	B	2		4	4	2	19	19		
D	METRAL P/N	CONTACT CODE MOD. I	89073-X104 SEE NOTE 11 LEAD FREE OPTION	ROW	1	2	3	4	5	6
	D	8		6	6	6	6	6		
	C	8		6	6	6	6	6		
	B	8		6	6	6	6	6		
E	METRAL P/N	CONTACT CODE MOD. I	89073-X105 SEE NOTE 11 LEAD FREE OPTION	ROW	1	2	3	4	5	6
	D	2		2	2	1	2	2		
	C	2		2	2	4	2	2		
	B	2		2	2	2	2	2		



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D	spec ref	*	dr	Terran Huang	2010/07/08			size	A4	scale	1:1		
	tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Terran Huang			2011/08/11	ecn no	ELX-DG-004963-1			
		surface	linear	0.X	±0.3			appr		Pei-Ming Zheng	2011/08/11	product family	METRAL
	angular		0°	±2°	cat. no.				-	Product - Customer Drw	sheet 8 of 10		





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METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X121 SEE NOTE 11 LEAD FREE OPTION	D	3	3	4	3	4	2
	C	3	3	4	3	4	2
	B	3	3	4	3	4	2
	A	3	3	4	3	4	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X126 SEE NOTE 11 LEAD FREE OPTION	D	4	2	2	2	2	2
	C	4	2	2	2	2	2
	B	4	2	2	2	2	4
	A	4	2	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X122 SEE NOTE 11 LEAD FREE OPTION	D	4	4	2	4	2	2
	C	2	2	2	4	4	4
	B	4	4	2	4	2	2
	A	2	2	2	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X127 SEE NOTE 11 LEAD FREE OPTION	D	25	23	23	23	23	23
	C	23	23	23	23	23	23
	B	23	23	23	23	23	23
	A	23	23	23	23	23	23

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X123 SEE NOTE 11 LEAD FREE OPTION	D	2	3	2	2	2	2
	C	2	3	2	2	2	2
	B	2	3	2	2	2	2
	A	2	3	2	2	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X128 SEE NOTE 11 LEAD FREE OPTION	D	3	2	1	1	1	1
	C	3	2	1	1	1	1
	B	3	2	1	1	1	1
	A	3	2	1	1	1	1



METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X124 SEE NOTE 11 LEAD FREE OPTION	D	2	3	2	3	2	2
	C	2	3	2	3	2	2
	B	2	3	2	3	2	2
	A	2	3	2	3	2	2

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
89073-X125 SEE NOTE 11 LEAD FREE OPTION	D	4	3	3	3	3	4
	C	4	3	3	3	3	4
	B	4	3	3	3	3	4
	A	4	3	3	3	3	4

spec ref	*	dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terran Huang	2011/08/11			ecn no		ELX-DG-004963-1	
		chr	-	-			rel level		Released	
surface	3.2	appr	Pei-Ming Zheng	2011/08/11	product family		METRAL		rev	CE
	linear				title		METRAL SIGNAL HEADER		dwg no	89073
					1 MOD, 4 ROW PRESS-FIT					
	angular				cat. no.		Product - Customer Drw		sheet 9 of 10	

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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:  
55422 -XXX IS SnPb  
55422 -XYL F IS SN (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE.
- 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 OR XXXXX-XXXXP, XXXXX-XXXPLF OR XXXXX-XXXXPLF
- 7. PRODUCT SPECIFICATION GS-12-180  
APPLICATION SPECIFICATION BUS-20-073
- 8. AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
- 9. -A PLATING HAS Au FLASH IN PRESS FIT AREA (LEAD FREE).
- 10. 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.)-NI--- 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.)-NI--- AND (DRAWINGS NO.)-N5---WILL NOT WITHSTAND REFLOW AND Au CONTACT SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMIM 140°C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.
- 11. FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX.  
EXAMPLE: 89073-X01LF

PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-Ayy OR -AYyy	TELCORDIA CO	SEE NOTE 9
-NIyy OR -NIyyy	TELCORDIA CO (NXT)	-
-N5yy OR N5yyy	TELCORDIA UE (NXT)	-
-Iyy OR -Iyyy	TELCORDIA CO	-
-2yy OR -2yyy	TELECOM CLASS	-
-3yy OR -3yyy	IEC CLASS I	-
-5yy OR -5yyy	TELCORDIA UE	-
-9yy OR -9yyy	TELCORDIA CO	-
-AYyLF OR -AYyLF	TELCORDIA CO	SEE NOTE 10
-NIyLF OR -NIyLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 10
-N5yLF OR N5yLF	TELCORDIA UE (NXT)	SEE NOTE 10
-IyLF OR -IyLF	TELCORDIA CO IEC CLASS I	SEE NOTE 10
-2yLF OR -2yLF	TELECOM CLASS	SEE NOTE 10
-5yLF OR -5yLF	TELCORDIA UE	SEE NOTE 10



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spec ref	*	dr	Terran Huang	2010/07/08	projection 	mm 	size	A4	scale	53:50	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terran Huang	2011/08/11			product family	METRAL	ecn no	ELX-DG-004963-1	
		chr	-	-				rel level	Released		
surface	3.2	appr	Pei-Ming Zheng	2011/08/11	title		METRAL SIGNAL HEADER	rev	CE		
	linear				cat. no.		-	Product - Customer Drw	sheet 10 of 10		
	angular				www.fci.com						



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Электрон  
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