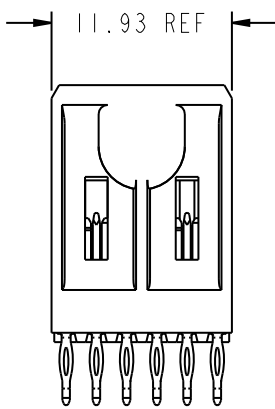
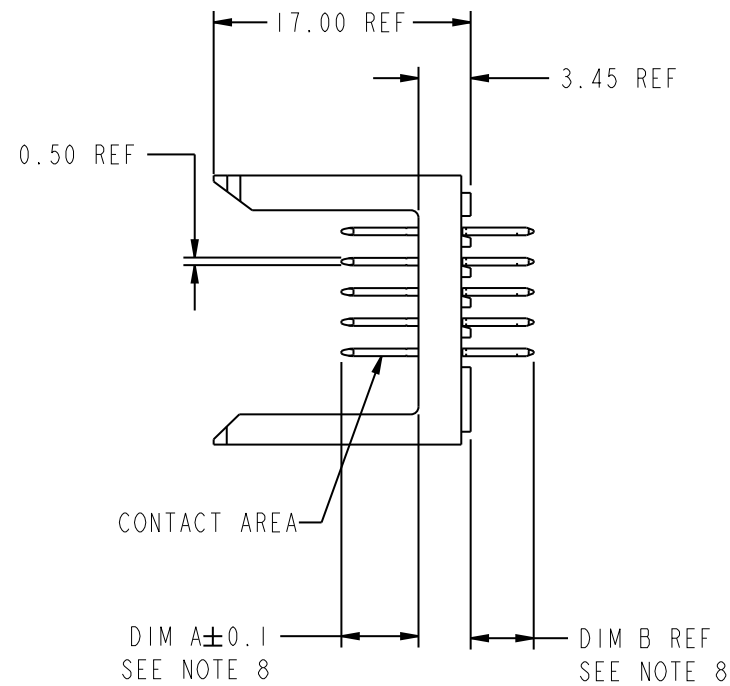
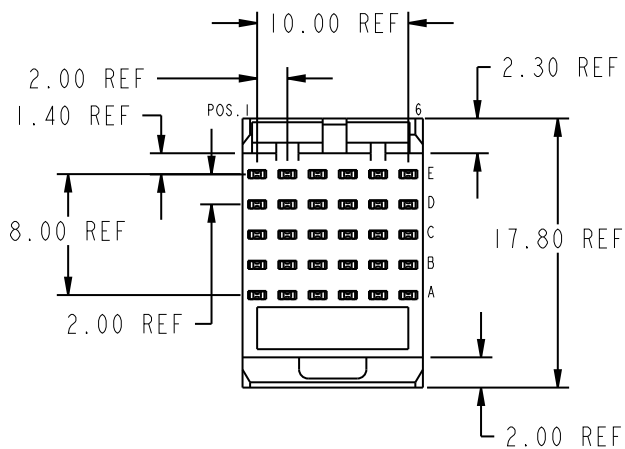




PRODUCT NUMBER
89025-XYX
89025-XYXLF

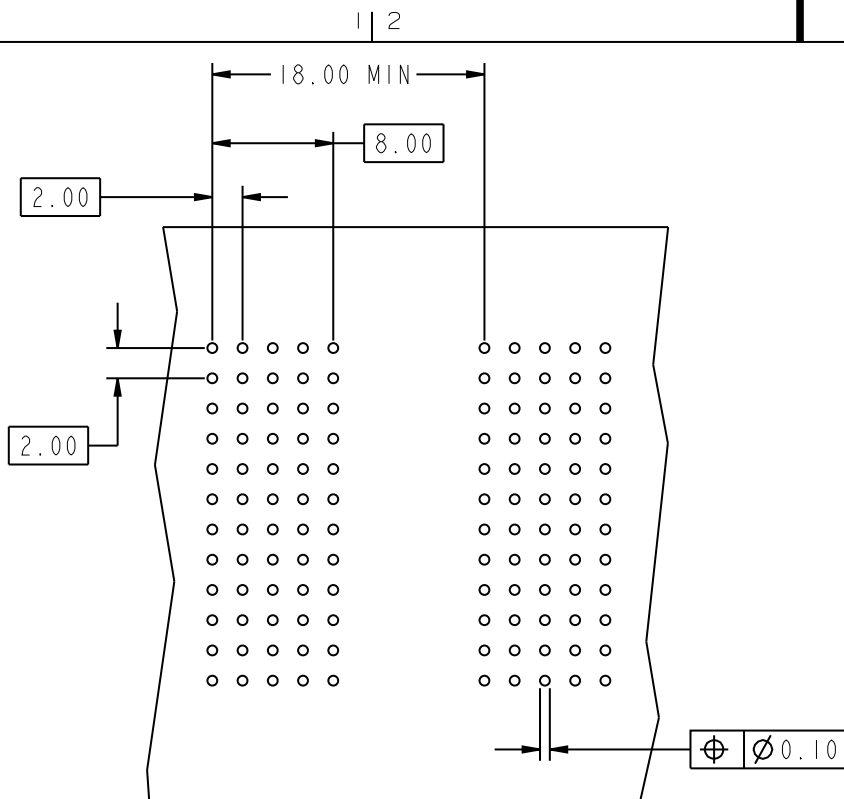


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CP	V06-0573	DCH	2006-06-14		0.XX ±0.13				projection			METRAL SIGNAL HEADER				
CR	DG09-0256	TER	2009-08-19		.XXX ±.051							1 MOD, 5 ROW PRESS-FIT				
-	-	-	-	angles	0° ±2°						product family		METRAL		code	
CK	V03-0031	TAB	02/08/03	dr	T.BRUNGARD 11/19/99				scale		A	size		dwg no		213
CL	V03-1321	DAI	01/15/04	enrg	M.STRAWSER 11/19/99				2:1							sheet
CM	V04-0459	LP	5/25/04	chr	M.STRAWSER 11/19/99											1 of 8
CN	V05-0030	DAI	02/10/05	appd	M.STRAWSER 02/29/00											
sheet		revision		CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
index		sheet		1	2	3	4	5	6	7	8					



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REV E - 2006-04-10



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
19	8.00	4.30
20	8.00	13.60
21	8.00	17.00
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
27	5.75	12.40
29	8.00	14.60

KEY		
CODE	DIMENSIONS	
	DIM "A" MATE	DIM "B" TAIL
32	6.50	12.90
38	7.25	14.40
39	8.00	14.40
40	5.00	15.60
41	6.50	15.60
44	5.75	12.10
45	6.50	12.10
49	5.75	15.10
54	5.00	11.50

mat'l code				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	projection		COPY	
CR					0.XX ±0.13			title	
					.XXX ±.051			METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT	
				angles	0° ±2°	MM		product family	
				dr	T.BRUNGARD 11/19/99			METRAL	
				enrg	M.STRAWSE 11/19/99			code	
				chr	M.STRAWSE 11/19/99	scale	A	size	
				appd	M.STRAWSE 02/29/00			89025	
sheet	revision							sheet	
index	sheet							2	

cage code 22526

Pro/E

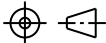
PDM: Rev:CR

STATUS:Released

Printed: Sep 16, 2009



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	D	10	10	10	10	10	10		D	26	12	12	12	12	23		D	21	21	11	11	11	11
	C	9	9	9	9	9	9		C	23	12	12	12	12	23		C	21	21	11	11	11	11
	B	10	10	10	10	10	10		B	24	12	12	12	12	23		B	21	21	11	11	11	11
	A	3	3	3	3	3	3		A	24	12	12	12	12	23		A	21	21	11	11	11	11
89025-X02 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	3	2	89025-X06 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	25	89025-X10 SEE NOTE 10 LEAD FREE OPTION	E	3	19	3	3	19	3
	D	2	2	2	3	2	2		D	25	25	25	25	25	25		D	19	3	3	19	3	3
	C	2	1	2	3	3	2		C	25	25	25	25	25	25		C	3	1	19	3	3	19
	B	2	2	2	3	2	2		B	25	25	25	25	25	25		B	3	19	3	3	19	3
	A	2	2	2	3	3	2		A	25	25	25	25	25	25		A	3	3	19	3	3	3
89025-X03 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	2	2	89025-X07 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	89025-X11 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	2	2	2	3	2	2		D	6	6	6	6	6	6		D	10	10	10	10	10	10
	C	2	1	2	3	2	2		C	6	6	6	6	6	6		C	10	10	10	10	10	10
	B	2	2	2	3	2	2		B	6	6	6	6	6	6		B	10	10	10	10	10	10
	A	2	2	2	3	2	2		A	6	6	6	6	6	6		A	2	2	2	2	2	2
89025-X04 SEE NOTE 10 LEAD FREE OPTION	E	12	25	23	23	23	25	89025-X08 SEE NOTE 10 LEAD FREE OPTION	E	4	2	19	19	19	2	89025-X12 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10
	D	12	25	23	23	23	25		D	4	2	19	19	19	2		D	9	9	9	9	9	9
	C	12	25	23	23	23	25		C	4	2	19	19	19	2		C	10	10	10	10	10	10
	B	12	25	23	23	23	25		B	4	2	19	19	19	2		B	10	10	10	10	10	10
	A	12	25	23	23	23	25		A	4	2	19	19	19	2		A	3	3	3	3	3	3
89025-X13 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10	89025-X14 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	25	89025-X15 SEE NOTE 10 LEAD FREE OPTION	E	3	3	19	19	3	3
	D	9	9	9	9	9	9		D	25	25	25	25	25	25		D	3	3	19	19	3	3
	C	10	10	10	10	10	10		C	25	25	25	25	25	25		C	3	3	19	19	3	3
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	A	2	2	2	2	2	2		A	2	2	2	2	2	2		A	3	3	19	19	3	3
89025-X17 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	89025-X18 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	89025-X19 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	1	1	1
	D	2	2	2	2	2	2		D	6	6	6	6	6	6		D	3	3	3	3	3	3
	C	4	4	4	4	4	4		C	8	8	8	8	8	8		C	3	3	3	3	3	3
	B	2	2	2	2	2	1		B	6	6	6	6	6	5		B	3	3	3	3	3	3
	A	2	2	2	2	2	2		A	6	6	6	6	6	6		A	3	3	3	3	3	3
89025-X16 SEE NOTE 10 LEAD FREE OPTION	E	3	3	19	19	3	4	89025-X20 SEE NOTE 10 LEAD FREE OPTION	E	1	4	4	4	4	19		E	1	4	4	4	4	19
	D	3	3	19	19	3	4		D	1	4	4	4	4	19		D	1	4	4	4	4	19
	C	3	3	19	19	3	4		C	19	4	4	4	4	19		C	19	4	4	4	4	19
	B	3	3	19	19	3	4		B	3	4	4	4	4	19		B	3	4	4	4	4	19
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				engr	M.STRAWSER	11/19/99				size	dwg no
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				appd	M.STRAWSER	02/29/00					
sheet index	revision sheet										

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				angles							
				dr	T.BRUNGARD	11/19/99					
				enrg	M.STRAWSE	11/19/99					
				chr	M.STRAWSE	11/19/99					
				appd	M.STRAWSE	02/29/00			product family METRAL code size dwg no 89025 sheet 3		
sheet	revision										
index	sheet										



1										2										3										4									
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	D	40	40	40	40	40	40		D	3	3	3	3	3	3		D	1	1	1	1	1	1		D	40	40	40	40	40	40		D	11	11	40	11	11	11
	C	25	25	25	25	25	25		C	3	3	3	3	3	3		C	1	1	1	1	1	1		C	25	25	25	25	25	25		C	11	11	11	11	11	11
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	A	3	3	3	3	3	3		A	3	3	3	3	3	3		A	1	1	1	1	1	1		A	41	41	41	41	41	41		A	11	11	11	11	11	11
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	D	1	1	1	1	1	1		D	3	3	-	-	-	-		D	1	1	1	1	1	4		D	4	4	4	13	13	13		D	49	49	49	49	49	49
	C	1	1	1	1	1	1		C	3	3	-	-	-	-		C	1	1	1	4	1	1		C	4	4	4	13	13	13		C	49	49	49	49	49	49
	B	19	4	4	4	4	4		B	3	3	-	-	-	-		B	1	4	1	1	1	1		B	4	4	4	13	13	13		B	49	49	49	49	49	49
	A	1	1	1	1	1	1		A	3	3	-	-	-	-		A	1	1	1	1	1	4		A	4	4	4	13	13	13		A	49	49	49	49	49	49
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									
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	D	-	-	-	-	-	-		D	32	32	32	32	32	32		D	1	1	1	3	1	1		D	40	11	11	11	11	11		D	44	44	44	44	44	44
	C	2	-	2	-	2	-		C	32	32	32	32	32	32		C	3	3	1	3	1	1		C	1	11	11	11	11	11		C	44	44	44	44	44	44
	B	-	-	-	-	-	-		B	32	32	32	32	32	32		B	1	1	1	1	1	1		B	1	11	11	11	11	11		B	44	44	44	44	44	44
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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									
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	D	4	2	2	2	2	2		D	1	1	1	1	1	D		45	45	45	45	45	45	D		8	8	8	14	14	14	D		12	12	12	15	15	15	
	C	4	2	2	2	2	2		C	1	1	1	1	1	C		45	45	45	45	45	45	C		8	8	8	14	14	14	C		12	12	12	15	15	15	
	B	4	2	2	2	2	2		B	1	1	1	1	1	B		45	45	45	45	45	45	B		8	8	8	14	14	14	B		12	12	12	15	15	15	
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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									
mat'l code										tolerances unless otherwise specified										CUSTOMER										FCJ www.fciconnect.com									
lfr ecn no. dr date										linear										projection										title									
CR										0.X ±0.3										COPY										METRAL SIGNAL HEADER									
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										.XXX ±.051										scale										product family									
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										dr T.BRUNGARD 11/19/99										A										89025									
										enrg M.STRAWSER 11/19/99																				dwg no									
										chr M.STRAWSER 11/19/99																													
										appd M.STRAWSER 02/29/00																													
sheet index										revision sheet																													

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		FCJ www.fcjconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3		COPY				
CR					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±2°						
				dr	T.BRUNGARD	11/19/99			product family		code
				engr	M.STRAWSE	11/19/99			METRAL		213
				chr	M.STRAWSE	11/19/99			size		4
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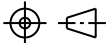


1 2										3										4																									
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	D	1	-	-	-	1	-	1		D	3	3	3	3	3	3		D	1	1	-	1	1	-	1	D	7		5	5	5	5	D	13		4	4	4	4	4					
	C	1	-	-	-	1	-	1		C	3	3	3	3	3	3		C	-	-	-	-	-	-	C	7	5		5	5	5	C	13	4		4	4	4	4						
	B	1	-	-	-	1	-	1		B	3	3	3	3	3	3		B	1	1	-	1	1	-	B	7	5		5	5	5	B	4	4		4	4	4	4						
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	D	4	4	4	4	4	4	D		1	9	1	9	1	4	4	4	D		1	1	9	1	9	1	9	D	2		2	2	2	2	2	D	2		0	7	7	7	7	7		
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	B	1	9	1	9	1	9	1		B	1	9	1	9	1	4	4	4		B	1	1	9	1	9	1	9	B		2	2	2	2	2	2	B		2	0	7	7	7	7	7	
	A	1	9	1	9	1	9	1		A	1	9	1	9	1	4	4	4		A	1	1	9	1	9	1	9	A		2	2	2	2	2	2	A		2	0	7	7	7	7	7	
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											
89025-X43 SEE NOTE 10 LEAD FREE OPTION	E	1	9	1	9	1	9	1	89025-X47 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	4	4	89025-X51 SEE NOTE 10 LEAD FREE OPTION	E	-	2	-	2	-	2	89025-X55 SEE NOTE 10 LEAD FREE OPTION	E	1	9	1	9	1	9	1	89025-X59 SEE NOTE 10 LEAD FREE OPTION	E	1	9	3	3	3	3	3			
	D	1	9	1	9	1	9	1		D	2	2	2	2	4	4		D	-	-	-	-	-	D		1	1	9	1	9	1	9	D		1	1	9	1	9	1	9				
	C	4	4	4	4	4	4	C		2	2	2	2	2	2	C		-	2	-	2	-	2	C		1	1	9	1	9	1	9	C		1	1	9	1	9	1	9				
	B	4	4	4	4	4	4	B		2	2	2	2	1	9	1		B	-	-	-	-	-	B		1	1	9	1	9	1	9	B		1	1	9	1	9	1	9				
	A	4	4	4	4	4	4	A		2	2	2	2	1	9	1		A	-	2	-	2	-	2		A	1	1	9	1	9	1	9		A	1	1	9	1	9	1	9			
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89025-X44 SEE NOTE 10 LEAD FREE OPTION	E	2	0	2	0	2	0	2	89025-X48 SEE NOTE 10 LEAD FREE OPTION	E	3	-	3	-	3	-	89025-X52 SEE NOTE 10 LEAD FREE OPTION	E	1	3	3	3	3	1	89025-X56 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7	89025-X60 SEE NOTE 10 LEAD FREE OPTION	E	1	9	1	9	1	9	-				
	D	2	0	2	0	2	0	2		D	3	-	3	-	3	-		D	3	3	3	3	3	1		D	7	7	4	4	7	7		7	D	1	9	1	9	1	9	-			
	C	8	8	8	8	8	8	C		-	-	-	-	-	C	3		3	3	3	3	1	C	7		7	7	7	7	7	C	1		9	1	9	1	9	-						
	B	8	8	8	8	8	8	B		3	-	3	-	3	-	B		3	3	3	3	3	1	B		7	7	7	7	7	7	B		1	9	1	9	1	9	-					
	A	8	8	8	8	8	8	A		3	-	3	-	3	-	A		3	3	3	3	3	1	A		7	7	7	7	7	7	A		1	9	1	9	1	9	-					

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lfr	ecn no.	dr	date	linear	0.X ±0.3			COPY		title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT			
CR					0.XX ±0.13			projection					
					.XXX ±.051			MM					
					0° ±2°			scale					
				angles	dr	T.BRUNGARD	11/19/99	product family		METRAL		code	
					enr	M.STRAWSE	11/19/99	size		dwg no		213	
					chr	M.STRAWSE	11/19/99	A		89025		sheet	
					appd	M.STRAWSE	02/29/00	1:1				5	
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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											
89025-X61 SEE NOTE 10 LEAD FREE OPTION	E	1	19	3	3	3	3	3	89025-X65 SEE NOTE 10 LEAD FREE OPTION	E	1	19	3	3	3	3	19	89025-X69 SEE NOTE 10 LEAD FREE OPTION	E	14	6	8	8	8	8	89025-X73 SEE NOTE 10 LEAD FREE OPTION	E	-	2	-	2	-	2	89025-X77 SEE NOTE 10 LEAD FREE OPTION	E	7	7	5	20	7	7
	D	3	19	3	3	3	3	D		3	3	3	3	3	19	D	14		7	8	8	8	8	D	2		-	2	-	2	-	D	7		7	7	7	7	7		
	C	3	19	3	3	3	3	C		3	3	3	3	3	19	C	14		7	8	8	8	8	C	-		2	-	2	-	2	C	7		7	7	7	7	7		
	B	19	19	3	3	3	3	B		3	3	3	3	3	19	B	14		7	8	8	8	8	B	2		-	2	-	2	-	B	7		7	7	7	7	7		
	A	19	19	3	3	3	3	A		3	3	3	3	3	19	A	14		7	5	8	8	8	A	-		2	-	2	-	2	A	7		7	7	7	7	7		
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											
89025-X62 SEE NOTE 10 LEAD FREE OPTION	E	1	-	1	-	1	-	89025-X66 SEE NOTE 10 LEAD FREE OPTION	E	3	1	1	1	1	1	89025-X70 SEE NOTE 10 LEAD FREE OPTION	E	13	2	4	4	4	4	89025-X74 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	89025-X78 SEE NOTE 10 LEAD FREE OPTION	E	54	54	39	54	54	54			
	D	-	1	-	1	-	1		D	3	1	1	1	1	1		D	13	3	4	4	4	4		D	2	-	2	-	2		-	D	54	54	39	54	54	54		
	C	1	-	1	-	1	-		C	3	1	1	1	1	1		C	13	3	4	4	4	4		C	-	2	-	2	-		2	C	54	54	39	54	54	54		
	B	-	1	-	1	-	1		B	3	1	1	1	1	1		B	13	3	4	4	4	4		B	2	-	2	-	2		-	B	54	54	39	54	54	54		
	A	1	-	1	-	1	-		A	3	1	1	1	1	1		A	13	3	1	4	4	4		A	-	2	-	2	-		2	A	54	54	39	54	54	54		
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											
89025-X63 SEE NOTE 10 LEAD FREE OPTION	E	8	27	29	29	29	27	89025-X67 SEE NOTE 10 LEAD FREE OPTION	E	20	20	20	20	20	20	89025-X71 SEE NOTE 10 LEAD FREE OPTION	E	20	20	20	8	8	8	89025-X75 SEE NOTE 10 LEAD FREE OPTION	E	54	54	54	54	39	54	89025-X79 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	1		
	D	8	27	29	29	29	27		D	5	5	20	20	20	20		D	20	20	20	8	8	8		D	54	54	54	54	39	54		D	1	1	1	1	1	1		
	C	8	27	29	29	29	27		C	5	5	20	20	20	20		C	20	20	20	8	8	8		C	54	54	54	54	39	54		C	2	2	2	2	1	1		
	B	8	27	29	29	29	27		B	5	5	20	20	20	20		B	20	20	20	8	8	8		B	54	54	54	54	39	54		B	1	1	1	1	1	1		
	A	8	27	29	29	29	27		A	5	5	20	20	20	20		A	20	20	20	8	8	8		A	54	54	54	54	39	54		A	1	1	1	1	1	1		
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											
89025-X64 SEE NOTE 10 LEAD FREE OPTION	E	45	-	45	-	45	-	89025-X68 SEE NOTE 10 LEAD FREE OPTION	E	21	21	21	21	21	21	89025-X72 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	4	4	4	89025-X76 SEE NOTE 10 LEAD FREE OPTION	E	3	3	1	19	3	3	89025-X80 SEE NOTE 10 LEAD FREE OPTION	E	5	5	5	5	5	5		
	D	45	-	45	-	45	-		D	9	9	21	21	21	21		D	19	19	19	4	4	4		D	3	3	3	3	3	3		D	5	5	5	5	5	5		
	C	-	-	-	-	-	-		C	9	9	21	21	21	21		C	19	19	19	4	4	4		C	3	3	3	3	3	3		C	6	6	6	6	5	5		
	B	45	-	45	-	45	-		B	9	9	21	21	21	21		B	19	19	19	4	4	4		B	3	3	3	3	3	3		B	5	5	5	5	5	5		
	A	45	-	45	-	45	-		A	9	9	21	21	21	21		A	19	19	19	4	4	4		A	3	3	3	3	3	3		A	5	5	5	5	5	5		

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lfr	ecn no.	dr	date	linear	0.X ±0.3			COPY		title	
CR					0.XX ±0.13			projection		METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT	
					.XXX ±.051					product family	
					0° ±2°					METRAL	
				dr	T.BRUNGARD	11/19/99	scale		size		code
				enr	M.STRAWSE	11/19/99	1:1		dwg no		213
				chr	M.STRAWSE	11/19/99			A		sheet
				appd	M.STRAWSE	02/29/00			89025		6
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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										
89025-X81 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	89025-X85 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	3	-	89025-X89 SEE NOTE 10 LEAD FREE OPTION	E	4	2	2	2	2	2	89025-X93 SEE NOTE 10 LEAD FREE OPTION	E	2	3	2	2	4	4	89025-X97 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	3	-	3	
	D	2	2	2	2	2	2		D	-	-	-	-	3	-		D	4	2	2	2	2	2		D	2	3	2	2	4	4		D	3	3	3	3	-	3	
	C	2	2	2	2	1	1		C	-	-	-	-	-	-		C	4	2	2	2	2	2		C	2	3	2	2	4	4		C	3	3	3	3	3	3	
	B	1	1	1	1	1	1		B	-	-	-	-	3	-		B	4	2	2	2	2	2		B	2	3	2	2	4	4		B	3	3	3	3	3	3	
	A	1	1	1	1	1	1		A	-	-	-	3	3	-		A	4	2	2	2	1	4		A	2	3	2	2	4	4		A	3	3	3	-	-	3	
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										
89025-X82 SEE NOTE 10 LEAD FREE OPTION	E	7	-	38	38	-	7	89025-X86 SEE NOTE 10 LEAD FREE OPTION	E	19	3	3	3	3	3	89025-X90 SEE NOTE 10 LEAD FREE OPTION	E	19	3	3	3	2	1	89025-X94 SEE NOTE 10 LEAD FREE OPTION	E	1	19	3	3	3	3	89025-X98 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	19	19	19	
	D	7	-	38	38	-	7		D	19	3	3	3	3	1		D	19	3	3	3	2	1		D	3	19	3	3	3	3		D	4	4	4	19	19	19	
	C	7	-	38	38	-	7		C	19	3	3	3	3	1		C	19	3	3	3	2	1		C	3	19	3	3	3	3		C	4	4	4	19	19	19	
	B	7	-	38	38	-	7		B	19	3	3	3	3	2		B	19	3	3	3	2	1		B	19	19	3	3	3	3		B	4	4	4	19	19	19	
	A	7	-	38	38	-	7		A	19	3	3	3	3	3		A	19	3	3	3	2	1		A	19	19	3	3	3	3		A	4	4	4	19	19	19	
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										
89025-X83 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	-	1	1	89025-X87 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	1	2	89025-X91 SEE NOTE 10 LEAD FREE OPTION	E	20	7	7	7	6	5	89025-X95 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	89025-X99 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	20	20	20	
	D	1	1	1	-	1	1		D	2	2	2	2	2	2		D	20	7	7	7	6	5		D	2	2	2	2	2	2		D	8	8	8	20	20	20	
	C	1	1	1	-	1	1		C	3	3	3	3	3	3		C	20	7	7	7	6	5		C	1	2	2	2	2	2		C	8	8	8	20	20	20	
	B	1	1	1	-	-	-		B	2	2	2	2	2	2		B	20	7	7	7	6	5		B	2	2	2	2	2	2		B	8	8	8	20	20	20	
	A	1	1	1	1	1	1		A	2	2	2	2	2	2		A	20	7	7	7	6	5		A	2	2	2	2	2	2		A	8	8	8	20	20	20	
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										
89025-X84 SEE NOTE 10 LEAD FREE OPTION	E	7	7	7	7	7	7	89025-X88 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	89025-X92 SEE NOTE 10 LEAD FREE OPTION	E	19	4	4	4	4	4	89025-X96 SEE NOTE 10 LEAD FREE OPTION	E	3	3	3	-	3	3		E	3	3	3	-	3	3	
	D	7	4	1	7	7	7		D	2	2	2	2	2	2		D	19	4	4	4	4	4		D	3	3	3	-	3	3		D	3	3	3	-	3	3	
	C	4	1	7	4	1	7		7	C	4	2	2	2	2		2	C	19	4	4	4	4		4	C	3	3	3	-	3		3	C	3	3	3	-	3	3
	B	7	7	4	1	7	7		7	B	2	2	2	2	2		2	B	19	4	4	4	4		4	B	3	3	3	-	-		-	B	3	3	3	-	-	-
	A	7	7	7	4	5	7		7	A	2	2	2	2	2		2	A	19	4	4	4	4		4	A	3	3	3	3	3		3	A	3	3	3	3	3	3

mat'l code

tolerances unless otherwise specified

CUSTOMER

FCI

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11r ecn no. dr date

linear

0.X ±0.3

0.XX ±0.13

.XXX ±.051

angles

0° ±2°

dr

T.BRUNGARD

11/19/99

enrg

M.STRAWSER

11/19/99

chr

M.STRAWSER

11/19/99

appd

M.STRAWSER

02/29/00

projection

MM

scale

1:1

product family

METRAL

code

213

size

dwg no

89025

sheet

7

sheet index

revision sheet

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCJ	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		www.fcjconnect.com	
CR				linear	0.XX ±0.13	projection		title	
				angles	.XXX ±.051			METRAL SIGNAL HEADER	
				dr	0° ±2°			1 MOD, 5 ROW PRESS-FIT	
				enr	T.BRUNGARD 11/19/99	product family		METRAL	
				chr	M.STRAWSE 11/19/99	size		dwg no	
				appd	M.STRAWSE 02/29/00	A		89025	
sheet	revision					scale		213	
index	sheet					1:1		sheet	
								7	

PRODUCT NUMBER

89025-XYX

89025-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:
55422 -XYX IS SnPb
55422-XYXLF 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-XXXPLF
7. PRODUCT SPECIFICATION GS-I2-180
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 AN "LF" SUFFIX.
EXAMPLE: 89025-X01LF

PLATING IN CONTACT AREA

DASH NUMBER	PERFORMANCE LEVEL	NOTES
-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



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mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT	
CR					0.XX ±0.13	projection			
					.XXX ±.051				
				angles	0° ±2°				
				dr	T.BRUNGARD	11/19/99	MM		product family
				engr	M.STRAWSER	11/19/99			METRAL
				chr	M.STRAWSER	11/19/99	scale		code
				appd	M.STRAWSER	02/29/00	1:1		213
sheet	revision								sheet
index	sheet								8

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Pro/E