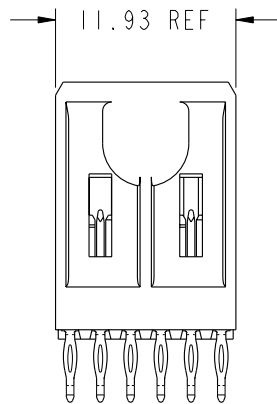
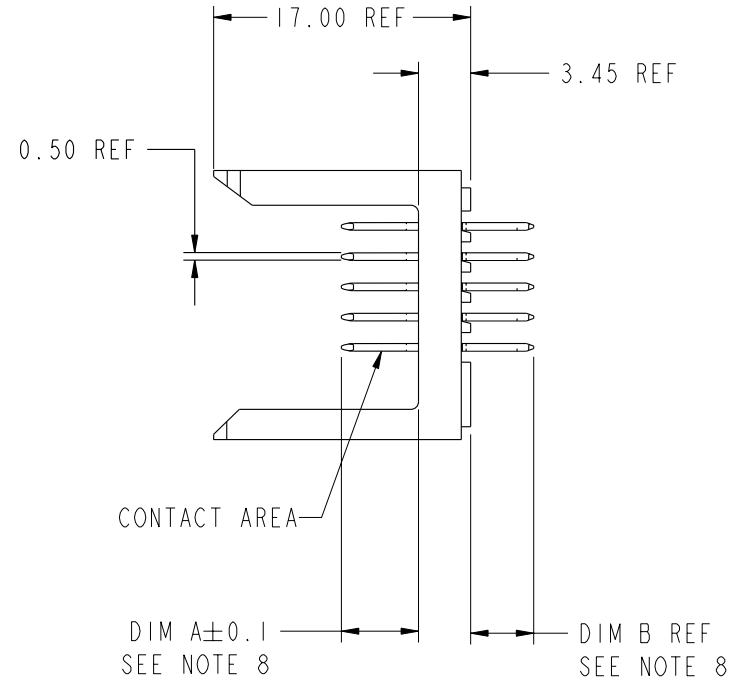
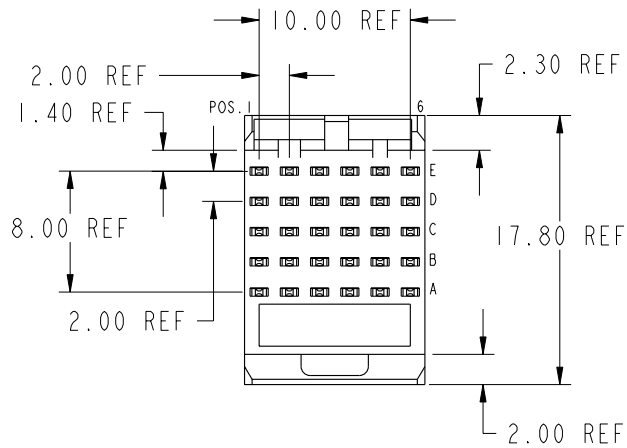


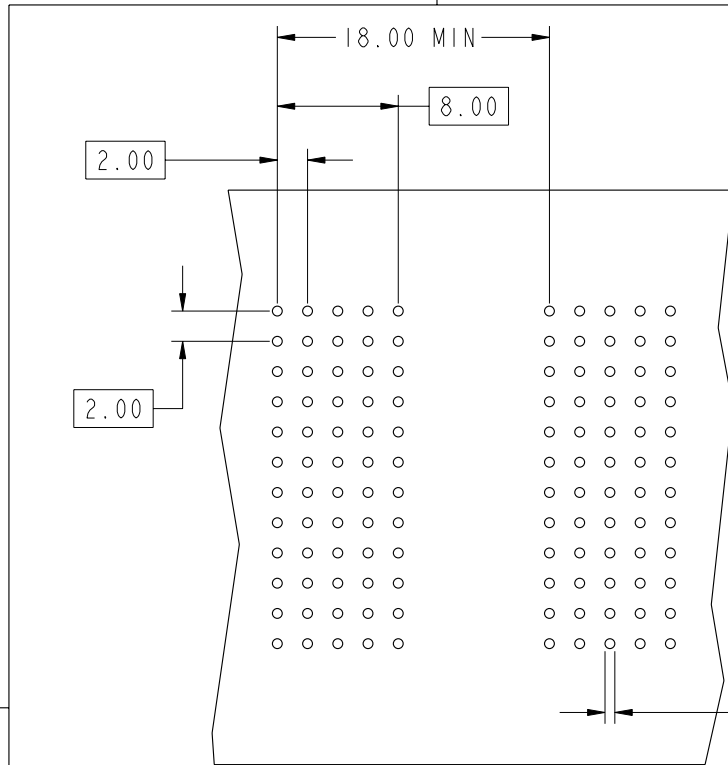
PRODUCT NUMBER
89025-XYX
89025-XYLRF



mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY		title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT		
CP	V06-0573	DCH	2006-06-14		0.XX ±0.13		projection				
-	-	-	-		.XXX ±.051						
CJ	V11715	JWS	07/02/01	angles	0° ±2°				product family METRAL code 213 sheet 1 of 8		
CK	V03-0031	TAB	02/08/03	dr	T.BRUNGARD	11/19/99	MM				
CL	V03-1321	DAI	01/15/04	engr	M.STRAWSER	11/19/99	← MM →				
CM	V04-0459	LP	5/25/04	chr	M.STRAWSER	11/19/99	scale				
CN	V05-0030	DAI	02/10/05	appd	M.STRAWSER	02/29/00	2:1				
sheet index	revision sheet	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
		1	2	3	4	5	6	7	8		

This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCI. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCI. Copyright FCI.

This document is the property of and embodies  
 CONFIDENTIAL and PROPRIETARY information of FCI.  
 No part of the information shown on this  
 document may be used in any way or disclosed  
 to others without the written consent of FCI.  
 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
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			
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection		title			
CP					0.XX ±0.13			METRAL SIGNAL HEADER		1 MOD, 5 ROW PRESS-FIT	
					.XXX ±.051			product family		METRAL	
				angles	0° ±2°	 MM scale 1:1	 A	size	dwg no		
				dr	T.BRUNGARD			11/19/99	code		
				engr	M.STRAWSER			11/19/99	213		
				chr	M.STRAWSER			11/19/99	sheet		
				appd	M.STRAWSER	02/29/00	2				
sheet index	revision sheet										

This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCJ. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCJ. Copyright FCJ.



1   2							3							4																								
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							
89025-X01 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	89025-X05 SEE NOTE 10 LEAD FREE OPTION	E	26	12	12	12	12	23	89025-X09 SEE NOTE 10 LEAD FREE OPTION	E	21	21	11	11	10	11	89025-X13 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	10	89025-X17 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2
	D	10	10	10	10	10		D	26	12	12	12	12	23		D	21	21	11	11	11	11		D	9	9	9	9	9	D		2	2	2	2	2	2	
	C	9	9	9	9	9		C	23	12	12	12	12	23		C	21	21	11	11	11	11		C	10	10	10	10	10	10		C	4	4	4	4	4	4
	B	10	10	10	10	10		B	24	12	12	12	12	23		B	21	21	11	11	11	11		B	10	10	10	10	10	10		B	2	2	2	2	2	1
	A	3	3	3	3	3		A	24	12	12	12	12	23		A	21	21	11	11	11	11		A	2	2	2	2	2	2		A	2	2	2	2	2	2
89025-X02 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	2	89025-X06 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	89025-X10 SEE NOTE 10 LEAD FREE OPTION	E	3	19	3	3	19	3	89025-X14 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	25	89025-X18 SEE NOTE 10 LEAD FREE OPTION	E	6	6	6	6	6	6	
	D	2	2	2	3	2		D	25	25	25	25	25		D	19	3	3	19	3	3		D	25	25	25	25	25	25		D	6	6	6	6	6	6	
	C	2	1	2	3	2		C	25	25	25	25	25		C	3	1	19	3	3	19		C	25	25	25	25	25	25		C	8	8	8	8	8	8	
	B	2	2	2	3	2		B	25	25	25	25	25		B	3	19	3	3	19	3		B	25	25	25	25	25	25		B	6	6	6	6	6	5	
	A	2	2	2	3	2		A	25	25	25	25	25		A	3	3	19	3	3	A		2	2	2	2	2	2	A		6	6	6	6	6	6		
89025-X03 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	3	2	89025-X07 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	89025-X11 SEE NOTE 10 LEAD FREE OPTION	E	10	10	10	10	10	89025-X15 SEE NOTE 10 LEAD FREE OPTION	E	3	3	19	19	3	3	89025-X19 SEE NOTE 10 LEAD FREE OPTION	E	19	19	19	1	1	1		
	D	2	2	2	3	2		D	6	6	6	6	6		D	10	10	10	10	10		D	3	3	19	19	3	3		D	3	3	3	3	3	3		
	C	2	1	2	3	2		C	6	6	6	6	6		C	10	10	10	10	10		C	3	3	19	19	3	3		C	3	3	3	3	3	3		
	B	2	2	2	3	2		B	6	6	6	6	6		B	10	10	10	10	10		B	3	3	19	19	3	3		B	3	3	3	3	3	3		
	A	2	2	2	3	2		A	6	6	6	6	6		A	2	2	2	2	2		A	3	3	19	19	3	3		A	3	3	3	3	3	3		
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	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
	D	12	25	23	23	23	25		D	4	2	19	19	19	2		D	9	9	9	9	9		D	3	3	19	19	3	4		D	1	4	4	4	4	19
	C	12	25	23	23	23	25		C	4	2	19	19	19	2		C	10	10	10	10	10		C	3	3	19	19	3	4		C	19	4	4	4	4	19
	B	12	25	23	23	23	25		B	4	2	19	19	19	2		B	10	10	10	10	10		B	3	3	19	19	3	4		B	3	4	4	4	4	19
	A	12	25	23	23	23	25		A	4	2	19	19	19	2		A	3	3	3	3	3		3	A	3	3	19	19	3		4	A	3	4	4	4	4

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection		COPY		title		METRAL SIGNAL HEADER	
CP				angles	0.XX ±0.13	MM		MM		product family		METRAL	
				dr	.XXX ±.051	scale		1:1		size		dwg no	
				engr	0° ±2°					A		89025	
				chr						sheet		213	
				appd						3			
sheet index	revision sheet												

This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCJ. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCJ. Copyright FCJ.



1   2							3							4																						
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					
89025-X21 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	89025-X25 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	89025-X29 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	89025-X33 SEE NOTE 10 LEAD FREE OPTION	E	25	25	25	25	25	89025-X37 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11		
	D	40	40	40	40	40		D	3	3	3	3	3		D	1	1	-	-	-		D	11	11	40	11	11									
	C	25	25	25	25	25		C	3	3	3	3	3		C	1	1	-	-	-		C	11	11	11	11	11									
	B	25	25	25	25	25		B	3	3	3	3	3		B	1	1	-	-	-		B	11	11	11	11	11									
	A	3	3	3	3	3		A	3	3	3	3	3		A	1	1	-	-	-		A	11	11	11	11	11									
89025-X22 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	1	1	89025-X26 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	89025-X30 SEE NOTE 10 LEAD FREE OPTION	E	1	4	1	1	1	89025-X34 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	13	13	13	89025-X38 SEE NOTE 10 LEAD FREE OPTION	E	49	49	49	49	49	
	D	1	1	1	1	1		D	3	3	-	-	-		D	4	4	4	13	13		13	D	49	49	49	49	49								
	C	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
	B	19	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
	A	1	1	1	1	1		A	3	3	-	-	-		A	1	1	1	1	4		A	4	4	4	13	13	13		A	49	49	49	49	49	
89025-X23 SEE NOTE 10 LEAD FREE OPTION	E	2	-	2	-	2	89025-X27 SEE NOTE 10 LEAD FREE OPTION	E	32	32	32	32	32	89025-X31 SEE NOTE 10 LEAD FREE OPTION	E	1	1	1	3	1	89025-X35 SEE NOTE 10 LEAD FREE OPTION	E	11	11	11	11	11	89025-X39 SEE NOTE 10 LEAD FREE OPTION	E	44	44	44	44	44		
	D	-	-	-	-	-		D	32	32	32	32	32		D	1	1	1	3	1		D	40	11	11	11	11		11	D	44	44	44	44	44	
	C	2	-	2	-	2		C	32	32	32	32	32		C	3	3	1	3	1		C	1	1	1	1	1		1	C	44	44	44	44	44	
	B	-	-	-	-	-		B	32	32	32	32	32		B	1	1	1	1	1		B	1	1	1	1	1		1	B	44	44	44	44	44	
	A	2	-	2	-	2		A	32	32	32	32	32		A	4	4	4	4	4		A	1	1	1	1	1		1	A	44	44	44	44	44	
89025-X24 SEE NOTE 10 LEAD FREE OPTION	E	4	2	2	2	2	89025-X28 SEE NOTE 10 LEAD FREE OPTION	E	-	-	-	-	-	89025-X32 SEE NOTE 10 LEAD FREE OPTION	E	45	45	45	45	45	89025-X36 SEE NOTE 10 LEAD FREE OPTION	E	8	8	8	14	14	14	89025-X40 SEE NOTE 10 LEAD FREE OPTION	E	12	12	12	15	15	15
	D	4	2	2	2	2		D	1	1	1	1	1		D	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		C	1	1	1	1	1		C	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		B	1	1	1	1	1		B	45	45	45	45	45		B	8	8	8	14	14	14		B	12	12	12	15	15	15
	A	4	2	2	2	2		A	1	1	1	1	1		A	45	45	45	45	45		A	8	8	8	14	14	14		A	12	12	12	15	15	15

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection		title	
CP				angles	0.XX ±0.13	MM				METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT	
				dr	.XXX ±.051	T.BRUNGARD 11/19/99		product family		METRAL code	
				engr	0° ±2°	M.STRAWSER 11/19/99		size		213	
				chr		M.STRAWSER 11/19/99		dwg no		sheet	
				appd		M.STRAWSER 02/29/00		A 89025		4	
sheet index	revision sheet										

This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCJ. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCJ. Copyright FCJ.



1   2						3						4																																	
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														
89025-X41 SEE NOTE 10 LEAD FREE OPTION	E	1	-	-	1	-	1	89025-X45 SEE NOTE 10 LEAD FREE OPTION	E	1	3	3	3	3	3	89025-X49 SEE NOTE 10 LEAD FREE OPTION	E	1	1	-	1	1	-	89025-X53 SEE NOTE 10 LEAD FREE OPTION	E	7	5	5	5	5	5	89025-X57 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4						
	D	1	-	-	1	-	1		D	3	3	3	3	3	D		1	1	-	1	1	-	D		7	5	5	5	5	5	D		1	3	4	4	4	4							
	C	1	-	-	1	-	1		C	3	3	3	3	3	C		-	-	-	-	-	-	C		7	5	5	5	5	5	C		1	3	4	4	4	4							
	B	1	-	-	1	-	1		B	3	3	3	3	3	B		1	1	-	1	1	-	B		7	5	5	5	5	5	B		4	4	4	4	4	4							
	A	1	-	-	1	-	1		A	3	3	3	3	3	A		1	1	-	1	1	-	A		7	5	5	5	5	5	A		1	3	1	3	1	3							
89025-X42 SEE NOTE 10 LEAD FREE OPTION	E	4	4	4	4	4	4	89025-X46 SEE NOTE 10 LEAD FREE OPTION	E	1	9	1	9	1	9	1	89025-X50 SEE NOTE 10 LEAD FREE OPTION	E	1	1	9	1	9	1	9	1	89025-X54 SEE NOTE 10 LEAD FREE OPTION	E	2	2	2	2	2	2	2	89025-X58 SEE NOTE 10 LEAD FREE OPTION	E	2	0	7	7	7	7	7	
	D	4	4	4	4	4	4		D	1	9	1	9	1	9	1		D	1	1	9	1	9	1	9	1		D	2	2	2	2	2	2	2		D	2	0	7	7	7	7	7	
	C	4	4	4	4	4	4		C	1	9	1	9	1	9	1		C	1	1	9	1	9	1	9	1		C	2	2	2	2	2	2	2		C	2	0	7	7	7	7	7	
	B	1	9	1	9	1	9		1	B	1	9	1	9	1	9		1	B	1	1	9	1	9	1	9		1	B	2	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	9		1	A	1	1	9	1	9	1	9		1	A	2	2	2	2	2	2		2	A	2	0	7	7	7	7	7
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				
	D	1	9	1	9	1	9	1		D	2	2	2	2	4	4		D	-	-	-	-	-	-		D	1	1	9	1	9	1	9		1	D	1	9	3	3	3	3	3		
	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	1		C	1	9	3	3	3	3	3			
	B	4	4	4	4	4	4	B		2	2	2	2	1	9	1		B	-	-	-	-	-	-		B	1	1	9	1	9	1	9		1	B	1	9	3	3	3	3	3		
	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		1	A	1	9	3	3	3	3	3		
89025-X44 SEE NOTE 10 LEAD FREE OPTION	E	2	0	2	0	2	0	2	0	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	9	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	0		D	3	-	3	-	3	-		D	3	3	3	3	3	1	9		D	7	7	4	4	7	7		7	D	1	9	1	9	1	9	-	
	C	8	8	8	8	8	8	8	C		-	-	-	-	-	-	C		3	3	3	3	3	1	9	C		7	7	7	7	7	7	7		C	1	9	1	9	1	9	-		
	B	8	8	8	8	8	8	8	B		3	-	3	-	3	-	B		3	3	3	3	3	1	9	B		7	7	7	7	7	7	7		B	1	9	1	9	1	9	-		
	A	8	8	8	8	8	8	8	A		3	-	3	-	3	-	A		3	3	3	3	3	1	9	A		7	7	7	7	7	7	7		A	1	9	1	9	1	9	-		

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com	
ltr	ecn no.	dr	date	linear	0.X ± 0.3		COPY		title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT		
CP					0.XX ± 0.13		projection				
					.XXX ± 0.051						
				angles	0° ± 2°				product family		code
				dr	T.BRUNGARD	11/19/99	MM		METRAL		213
				engr	M.STRAWSER	11/19/99	← MM →		size		sheet
				chr	M.STRAWSER	11/19/99	scale		A		5
				appd	M.STRAWSER	02/29/00	1:1		89025		
sheet index	revision sheet										
				Pro/E		3		cage code		22526	
										4	

This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCJ. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCJ. Copyright FCJ.



1   2						3						4																											
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								
89025-X61 SEE NOTE 10 LEAD FREE OPTION	E	1	19	3	3	3	3	89025-X65 SEE NOTE 10 LEAD FREE OPTION	E	1	19	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	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	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	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	19	A		14	7	5	8	8	8	A		-	2	-	2	-	2	A		7	7	7	7	7	7	
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	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	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	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	A		13	3	1	4	4	4	A		-	2	-	2	-	2	A		54	54	39	54	54	54	
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
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

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		FCJ		www.fcjconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection		COPY		title		METRAL SIGNAL HEADER	
CP				angles	0.XX ±0.13	MM		MM		product family		METRAL	
				dr	.XXX ±.051	scale		1:1		size		dwg no	
				engr	0° ±2°					A		89025	
				chr						sheet		213	
				appd						sheet		6	
sheet index	revision sheet												



This document is the property of and embodies  
 CONFIDENTIAL and PROPRIETARY information of FCI.  
 No part of the information shown on this  
 document may be used in any way or disclosed  
 to others without the written consent of FCI.  
 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																		
		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		
89025-X81 SEE NOTE 10 LEAD FREE OPTION		E	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			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
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	
		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	
		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	
		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	
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	D			8	8	8	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	
		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	
		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	
89025-X84 SEE NOTE 10 LEAD FREE OPTION		E	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	89025-X99 SEE NOTE 10 LEAD FREE OPTION		E	8	8	8	20	20	20	
		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	8	8	8	20	20	
		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	8	8	8	20	20
		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	8	8	8	20	20
		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	8	8	8	20	20

mat'l code				tolerances unless otherwise specified				CUSTOMER		www.fciconnect.com	
ltr	ecn no.	dr	date	0.X ± 0.3				COPY			
CP				0.XX ± 0.13				projection		title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT	
				.XXX ± .051							
				0° ± 2°						product family METRAL code size 213	
				dr	T.BRUNGARD	11/19/99	MM		size 89025 sheet 7		
				engr	M.STRAWSER	11/19/99	← MM →				scale 1:1
				chr	M.STRAWSER	11/19/99			cage code 22526		
				appd	M.STRAWSER	02/29/00					sheet index
sheet		revision									
index		sheet									

PRODUCT NUMBER
89025-XYX
89025-XYXLF

NOTES:


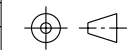

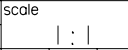
- FOR DIM A AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL  
POLYMER 30 % GLASS.  
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL:  
PHOSPHOR BRONZE.
- PLATING ON PRESS-FIT TAIL:  
55422 -XYX IS SnPb  
55422-XYXLF IS SN (LEAD FREE)  
PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN 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

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	-
-9YY	TELCORDIA CO	-
-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

- 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: 89025-X01LF

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com		
ltr	ecr no.	dr	date	linear	0.X ±0.3	COPY		 title METRAL SIGNAL HEADER 1 MOD, 5 ROW PRESS-FIT		
CP					0.XX ±0.13	projection				
					.XXX ±.051	 product family METRAL code 213				
				angles	0° ±2°	 size A		sheet 8		
				dr	T.BRUNGARD	11/19/99	scale 1:1		cage code 22526	
				engr	M.STRAWSER	11/19/99				
				chr	M.STRAWSER	11/19/99				
				appd	M.STRAWSER	02/29/00				
sheet index	revision sheet									



This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of FCJ. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of FCJ. Copyright FCJ.