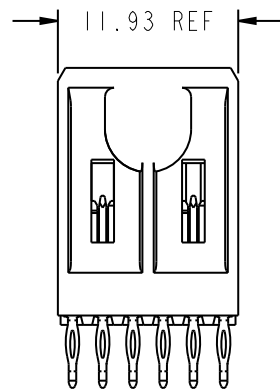
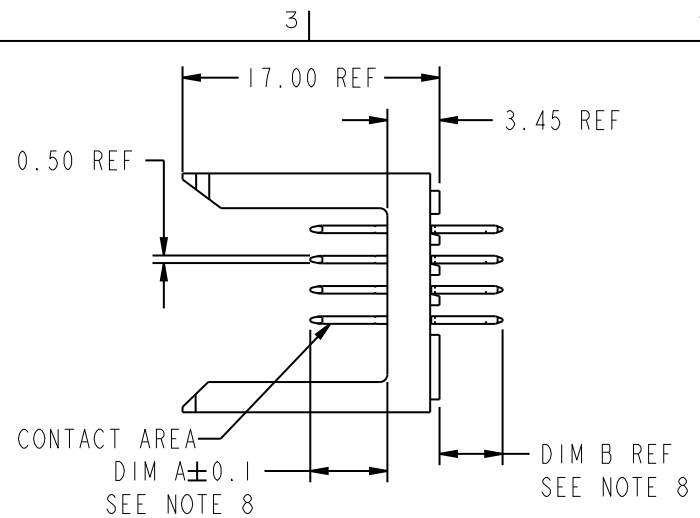
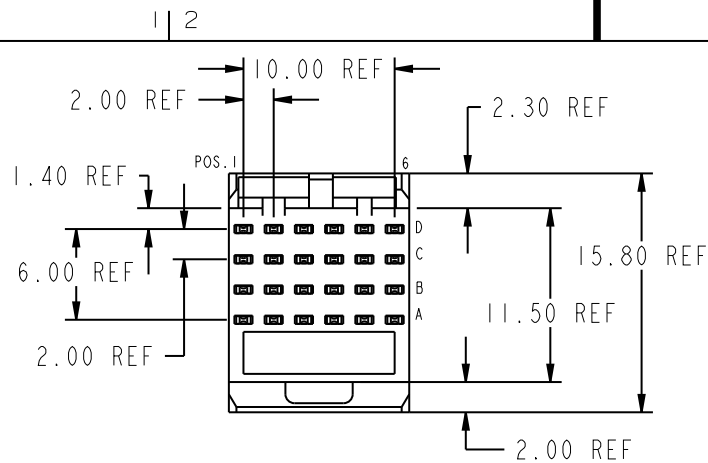


PRODUCT NUMBER
70232-XYX
70232-XYLF



PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-AYY	TELCORDIA CO	SEE NOTE 9
-NIYY	TELCORDIA CO (NXT)	-
-N5YY	TELCORDIA UE (NXT)	-
-1YY	TELCORDIA CO	-
-2YY	TELECOM CLASS	-
-3YY	IEC CLASS I	-
-5YY	TELCORDIA UE	-
-AYYLF	TELCORDIA CO	SEE NOTE 10
-NIYYLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 10
-N5YYLF	TELCORDIA UE (NXT)	SEE NOTE 10
-1YYLF	TELCORDIA CO IEC CLASS I	SEE NOTE 10
-2YYLF	TELECOM CLASS	SEE NOTE 10
-5YYLF	TELCORDIA UE	SEE NOTE 10

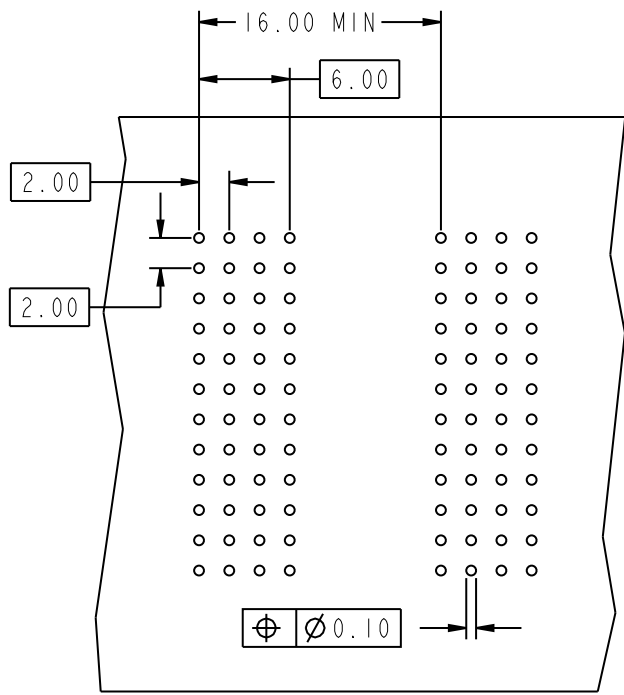
mat'l code				tolerances unless otherwise specified				CUSTOMER		FCJ		www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3		COPY		projection	title			
AL	V06-0498	DCH	2006-05-31		0.XX ±0.13		MM			METRAL SIGNAL HEADER			
AM	DG09-0256	TER	2009-08-19		.XXX ±.051		2:1			1 MOD, 4 ROW PRESS-FIT			
-	-	-	-	angles	0° ±2°		scale		product family		code		
AG	V04-0554	TAB	06/07/04	dr	T.BRUNGARD	11/19/99	A		METRAL		213		
AH	V05-0079	HTB	02/03/05	engr	M.STRAWSER	11/19/99	A		size		sheet		
AJ	V05-0359	DAI	04/21/05	chr	M.STRAWSER	11/19/99	A		70232		1 of 8		
AK	V05-1030	LP	11/18/05	appd	M.STRAWSER	02/29/00	A		cage code		22526		
sheet	revision	AM	AM	AM	AM	AM	AM	AM	AM	cage code		22526	
index	sheet	1	2	3	4	5	6	7	8	cage code		22526	

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



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

REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION



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.

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fcjconnect.com		
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection		
AM					0.XX ±0.13	MM				title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT
					.XXX ±.051					
				angles	0° ±2°	scale		1:1	product family METRAL	
				dr	T.BRUNGARD	11/19/99	size		dwg no	
				engr	M.STRAWSER	11/19/99	A		70232	
				chr	M.STRAWSER	11/19/99	code		213	
				appd	M.STRAWSER	02/29/00	sheet		2	
sheet index	revision sheet									

cage code 22526



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	ROW	CONTACT CODE MOD. 1					
		1	2	3	4	5	6
70232-X10	D	1	1	1	1	1	1
SEE NOTE 11 LEAD FREE OPTION	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	3	3	3	3	3	3
70232-X11	D	1	1	1	1	1	1
SEE NOTE 11 LEAD FREE OPTION	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	1	1	1	1	1	1
70232-X12	D	1	1	1	1	1	1
SEE NOTE 11 LEAD FREE OPTION	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	3	3	3	3	3	3
70232-X13	D	3	3	3	3	3	3
SEE NOTE 11 LEAD FREE OPTION	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	3	3	3	3	3	3
70232-X14	D	4	4	4	4	4	4
SEE NOTE 11 LEAD FREE OPTION	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	4	4	4	4	4	4
70232-X15	D	3	3	3	3	3	3
SEE NOTE 11 LEAD FREE OPTION	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3
70232-X16	D	2	2	2	2	2	2
SEE NOTE 11 LEAD FREE OPTION	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
70232-X17	D	3	3	3	3	3	3
SEE NOTE 11 LEAD FREE OPTION	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	1	1	1	1	1	1
70232-X18	D	3	3	3	3	3	3
SEE NOTE 11 LEAD FREE OPTION	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	1	1	1	1	1	1
70232-X19	D	4	4	4	4	4	4
SEE NOTE 11 LEAD FREE OPTION	C	4	4	4	4	4	4
	B	4	4	4	4	4	4
	A	4	4	4	4	4	4
70232-X20	D	5	5	5	5	5	5
SEE NOTE 11 LEAD FREE OPTION	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	7	7	7	7	7	7
70232-X21	D	5	5	5	5	5	5
SEE NOTE 11 LEAD FREE OPTION	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	5	5	5	5	5	5
70232-X22	D	5	5	5	5	5	5
SEE NOTE 11 LEAD FREE OPTION	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	7	7	7	7	7	7
70232-X23	D	7	7	7	7	7	7
SEE NOTE 11 LEAD FREE OPTION	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	7	7	7	7	7	7
70232-X24	D	8	8	8	8	8	8
SEE NOTE 11 LEAD FREE OPTION	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	8	8	8	8	8	8
70232-X25	D	7	7	7	7	7	7
SEE NOTE 11 LEAD FREE OPTION	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7
70232-X26	D	6	6	6	6	6	6
SEE NOTE 11 LEAD FREE OPTION	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	6	6	6	6	6	6
70232-X27	D	7	7	7	7	7	7
SEE NOTE 11 LEAD FREE OPTION	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	5	5	5	5	5	5
70232-X28	D	7	7	7	7	7	7
SEE NOTE 11 LEAD FREE OPTION	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	5	5	5	5	5	5
70232-X29	D	8	8	8	8	8	8
SEE NOTE 11 LEAD FREE OPTION	C	8	8	8	8	8	8
	B	8	8	8	8	8	8
	A	8	8	8	8	8	8

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		 title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT	product family METRAL code 213 size dwg no 70232 sheet 3
AM					0.XX ±0.13	projection			
					.XXX ±.051	 MM scale 1:1			
				angles	0° ±2°				
		dr	T.BRUNGARD	11/19/99					
		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.



METRAL P/N		CONTACT CODE MOD. 1						METRAL P/N		CONTACT CODE MOD. 1						METRAL P/N		CONTACT CODE MOD. 1						METRAL P/N		CONTACT CODE MOD. 1													
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
70232-X30	D	9	9	9	9	9	9	70232-X34	D	12	12	12	12	12	12	70232-X38	D	11	11	11	11	11	11	70232-X42	D	1	1	1	1	1	1	70232-X46	D	19	19	19	19	19	
SEE NOTE 11 LEAD FREE OPTION	C	10	10	10	10	10	10	SEE NOTE 11 LEAD FREE OPTION	C	11	11	11	11	11	11	SEE NOTE 11 LEAD FREE OPTION	C	9	9	9	9	9	9	SEE NOTE 11 LEAD FREE OPTION	C	1	1	1	1	1	1	SEE NOTE 11 LEAD FREE OPTION	C	3	3	3	3	3	
	B	10	10	10	10	10	10		B	11	11	11	11	11	11		B	9	9	9	9	9	9		B	1	1	1	1	1	1		B	3	3	3	3	3	
	A	11	11	11	11	11	11		A	12	12	12	12	12	12		A	9	9	9	9	9	9		A	2	2	2	2	2	2		A	3	3	3	3	3	
70232-X31	D	9	9	9	9	9	9	70232-X35	D	11	11	11	11	11	11	70232-X39	D	12	12	12	12	12	12	70232-X43	D	13	13	13	13	13	70232-X47	D	4	4	4	4	4		
SEE NOTE 11 LEAD FREE OPTION	C	9	9	9	9	9	9	SEE NOTE 11 LEAD FREE OPTION	C	11	11	11	11	11	11	SEE NOTE 11 LEAD FREE OPTION	C	12	12	12	12	12	12	SEE NOTE 11 LEAD FREE OPTION	C	3	3	3	3	3	3	SEE NOTE 11 LEAD FREE OPTION	C	4	4	4	4	4	
	B	9	9	9	9	9	9		B	11	11	11	11	11	11		B	12	12	12	12	12	12		B	3	3	3	3	3	3		B	13	13	13	13	13	
	A	9	9	9	9	9	9		A	11	11	11	11	11	11		A	12	12	12	12	12	12		A	3	3	3	3	3	3		A	13	13	13	13	13	
70232-X32	D	9	9	9	9	9	9	70232-X36	D	10	10	10	10	10	10	70232-X40	D	2	2	2	2	2	2	70232-X44	D	2	2	2	2	2	70232-X48	D	19	19	19	19	19		
SEE NOTE 11 LEAD FREE OPTION	C	9	9	9	9	9	9	SEE NOTE 11 LEAD FREE OPTION	C	10	10	10	10	10	10	SEE NOTE 11 LEAD FREE OPTION	C	2	2	2	2	2	2	SEE NOTE 11 LEAD FREE OPTION	C	3	3	3	3	3	3	SEE NOTE 11 LEAD FREE OPTION	C	19	19	19	19	19	
	B	9	9	9	9	9	9		B	10	10	10	10	10	10		B	4	4	4	4	4	4		B	4	4	4	4	4	4		B	19	19	19	19	19	
	A	11	11	11	11	11	11		A	10	10	10	10	10	10		A	2	2	2	2	2	2		A	3	3	3	3	3	3		A	19	19	19	19	19	
70232-X33	D	11	11	11	11	11	11	70232-X37	D	11	11	11	11	11	11	70232-X41	D	2	2	2	2	2	2	70232-X45	D	1	1	1	1	1	70232-X49	D	4	4	4	4	4		
SEE NOTE 11 LEAD FREE OPTION	C	10	10	10	10	10	10	SEE NOTE 11 LEAD FREE OPTION	C	10	10	10	10	10	10	SEE NOTE 11 LEAD FREE OPTION	C	2	2	2	2	2	2	SEE NOTE 11 LEAD FREE OPTION	C	2	2	2	2	2	SEE NOTE 11 LEAD FREE OPTION	C	3	3	3	3	3		
	B	10	10	10	10	10	10		B	10	10	10	10	10	10		B	2	2	2	2	2	2		B	3	3	3	3	3	3		B	3	3	3	3	3	
	A	11	11	11	11	11	11		A	9	9	9	9	9	9		A	4	4	4	4	4	4		A	4	4	4	4	4	4		A	3	3	3	3	3	

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCJ	
ltr	ecr no.	dr	date	linear	0.X ±0.3			COPY		www.fcjconnect.com	
AM				angles	0.XX ±0.13			projection		title	
				dr	.XXX ±.051					METRAL SIGNAL HEADER	
				engr	0° ±2°					1 MOD, 4 ROW PRESS-FIT	
				chr	T.BRUNGARD	11/19/99	MM		product family		code
				appd	M.STRAWSER	11/19/99	← MM →		METRAL		213
					M.STRAWSER	11/19/99	scale		size		sheet
					M.STRAWSER	02/29/00	1:1		dwg no		4
sheet index	revision sheet								A		70232
									cage code		
									22526		



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	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
70232-X50 SEE NOTE 11 LEAD FREE OPTION	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
70232-X51 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	6
	A	8	8	8	8	8	8
70232-X52 SEE NOTE 11 LEAD FREE OPTION	D	5	5	5	5	5	5
	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	6	6	6	6	6	6
70232-X53 SEE NOTE 11 LEAD FREE OPTION	D	14	14	14	14	14	14
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7
70232-X54 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6
	C	7	7	7	7	7	7
	B	8	8	8	8	8	8
	A	7	7	7	7	7	7
70232-X55 SEE NOTE 11 LEAD FREE OPTION	D	5	5	5	5	5	5
	C	6	6	6	6	6	6
	B	7	7	7	7	7	7
	A	8	8	8	8	8	8
70232-X56 SEE NOTE 11 LEAD FREE OPTION	D	20	20	20	20	20	20
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7
70232-X57 SEE NOTE 11 LEAD FREE OPTION	D	8	8	8	8	8	8
	C	8	8	8	8	8	8
	B	14	14	14	14	14	14
	A	14	14	14	14	14	14
70232-X58 SEE NOTE 11 LEAD FREE OPTION	D	20	20	20	20	20	20
	C	20	20	20	20	20	20
	B	20	20	20	20	20	20
	A	20	20	20	20	20	20
70232-X59 SEE NOTE 11 LEAD FREE OPTION	D	8	8	8	8	8	8
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7
70232-X60 SEE NOTE 11 LEAD FREE OPTION	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
70232-X61 SEE NOTE 11 LEAD FREE OPTION	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	12	12	12	12	12	12
70232-X62 SEE NOTE 11 LEAD FREE OPTION	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	9	9	9	9	9	9
	A	10	10	10	10	10	10
70232-X63 SEE NOTE 11 LEAD FREE OPTION	D	15	15	15	15	15	15
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11
70232-X64 SEE NOTE 11 LEAD FREE OPTION	D	10	10	10	10	10	10
	C	11	11	11	11	11	11
	B	12	12	12	12	12	12
	A	11	11	11	11	11	11
70232-X65 SEE NOTE 11 LEAD FREE OPTION	D	9	9	9	9	9	9
	C	10	10	10	10	10	10
	B	11	11	11	11	11	11
	A	12	12	12	12	12	12
70232-X66 SEE NOTE 11 LEAD FREE OPTION	D	21	21	21	21	21	21
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11
70232-X67 SEE NOTE 11 LEAD FREE OPTION	D	12	12	12	12	12	12
	C	12	12	12	12	12	12
	B	15	15	15	15	15	15
	A	15	15	15	15	15	15
70232-X68 SEE NOTE 11 LEAD FREE OPTION	D	21	21	21	21	21	21
	C	21	21	21	21	21	21
	B	21	21	21	21	21	21
	A	21	21	21	21	21	21
70232-X69 SEE NOTE 11 LEAD FREE OPTION	D	12	12	12	12	12	12
	C	11	11	11	11	11	11
	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
70232-X53 SEE NOTE 11 LEAD FREE OPTION	D	14	14	14	14	14	14
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7
70232-X57 SEE NOTE 11 LEAD FREE OPTION	D	8	8	8	8	8	8
	C	8	8	8	8	8	8
	B	14	14	14	14	14	14
	A	14	14	14	14	14	14
70232-X61 SEE NOTE 11 LEAD FREE OPTION	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	12	12	12	12	12	12
70232-X65 SEE NOTE 11 LEAD FREE OPTION	D	9	9	9	9	9	9
	C	10	10	10	10	10	10
	B	11	11	11	11	11	11
	A	12	12	12	12	12	12
70232-X69 SEE NOTE 11 LEAD FREE OPTION	D	12	12	12	12	12	12
	C	11	11	11	11	11	11
	B	11	11	11	11	11	11
	A	11	11	11	11	11	11

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



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	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
70232-X70 SEE NOTE 11 LEAD FREE OPTION	D	4	4	4	4	4	4
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
70232-X74 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	3	3	3	3	3	3
	A	3	3	3	3	3	3
70232-X78 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	3	3
	A	1	1	1	1	1	1
70232-X82 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6
	C	8	8	8	8	8	8
	B	8	8	8	8	8	8
	A	20	20	20	20	20	20
70232-X86 SEE NOTE 11 LEAD FREE OPTION	D	20	20	20	20	20	20
	C	5	5	5	5	5	5
	B	5	5	5	5	5	5
	A	20	20	20	20	20	20
70232-X71 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3
	C	3	3	3	3	3	3
	B	1	1	1	1	1	1
	A	3	3	3	3	3	3
70232-X75 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	2
	A	3	3	3	3	3	3
70232-X79 SEE NOTE 11 LEAD FREE OPTION	D	3	3	3	3	3	3
	C	2	2	2	2	2	2
	B	2	2	2	2	2	2
	A	2	2	2	2	2	2
70232-X83 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6
	C	7	7	7	7	7	7
	B	6	6	6	6	6	6
	A	7	7	7	7	7	7
70232-X87 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6
	C	7	7	7	7	7	7
	B	20	20	20	20	20	20
	A	7	7	7	7	7	7
70232-X72 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2
	C	4	4	4	4	4	4
	B	4	4	4	4	4	4
	A	19	19	19	19	19	19
70232-X76 SEE NOTE 11 LEAD FREE OPTION	D	19	19	19	19	19	19
	C	1	1	1	1	1	1
	B	1	1	1	1	1	1
	A	19	19	19	19	19	19
70232-X80 SEE NOTE 11 LEAD FREE OPTION	D	8	8	8	8	8	8
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	6	6	6	6	6	6
70232-X84 SEE NOTE 11 LEAD FREE OPTION	D	6	6	6	6	6	6
	C	7	7	7	7	7	7
	B	7	7	7	7	7	7
	A	7	7	7	7	7	7
70232-X88 SEE NOTE 11 LEAD FREE OPTION	D	5	5	5	5	5	5
	C	5	5	5	5	5	5
	B	7	7	7	7	7	7
	A	5	5	5	5	5	5
70232-X73 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	2	2	2	2	2	2
	A	3	3	3	3	3	3
70232-X77 SEE NOTE 11 LEAD FREE OPTION	D	2	2	2	2	2	2
	C	3	3	3	3	3	3
	B	19	19	19	19	19	19
	A	3	3	3	3	3	3
70232-X81 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7
	C	7	7	7	7	7	7
	B	5	5	5	5	5	5
	A	7	7	7	7	7	7
70232-X85 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	6
	A	7	7	7	7	7	7
70232-X89 SEE NOTE 11 LEAD FREE OPTION	D	7	7	7	7	7	7
	C	6	6	6	6	6	6
	B	6	6	6	6	6	6
	A	6	6	6	6	6	6

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3	COPY		projection		title	
AM					0.XX ±0.13					METRAL SIGNAL HEADER	
				angles	.XXX ±.051					1 MOD, 4 ROW PRESS-FIT	
				dr	T.BRUNGARD 11/19/99			product family		METRAL code	
				engr	M.STRAWSER 11/19/99			size		213	
				chr	M.STRAWSER 11/19/99			dwg no		70232	
				appd	M.STRAWSER 02/29/00			sheet		6	
sheet index	revision sheet							scale		1:1	
								A			

1 | 2

3 |

4

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
70232-X90 SEE NOTE 11 LEAD FREE OPTION	D	12	12	12	12	12	12
	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
70232-X94 SEE NOTE 11 LEAD FREE OPTION	D	10	10	10	10	10	10
	C	11	11	11	11	11	11
	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
70232-X98 SEE NOTE 11 LEAD FREE OPTION	D	9	9	9	9	9	9
	C	9	9	9	9	9	9
	B	11	11	11	11	11	11
	A	9	9	9	9	9	9

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
70232-X91 SEE NOTE 11 LEAD FREE OPTION	D	11	11	11	11	11	11
	C	11	11	11	11	11	11
	B	9	9	9	9	9	9
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
70232-X95 SEE NOTE 11 LEAD FREE OPTION	D	10	10	10	10	10	10
	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
70232-X99 SEE NOTE 11 LEAD FREE OPTION	D	11	11	11	11	11	11
	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
70232-X92 SEE NOTE 11 LEAD FREE OPTION	D	10	10	10	10	10	10
	C	12	12	12	12	12	12
	B	12	12	12	12	12	12
	A	21	21	21	21	21	21

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
70232-X96 SEE NOTE 11 LEAD FREE OPTION	D	21	21	21	21	21	21
	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
70232-X93 SEE NOTE 11 LEAD FREE OPTION	D	10	10	10	10	10	10
	C	11	11	11	11	11	11
	B	10	10	10	10	10	10
	A	11	11	11	11	11	11

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
70232-X97 SEE NOTE 11 LEAD FREE OPTION	D	10	10	10	10	10	10
	C	11	11	11	11	11	11
	B	21	21	21	21	21	21
	A	11	11	11	11	11	11

A

A



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.

B

B

mat'l code				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		projection	title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT
AM					0.XX ±0.13	MM			
					.XXX ±.051	1:1			
				angles	0° ±2°	product family		METRAL	code
				dr	T.BRUNGARD 11/19/99	size		dwg no	213
				engr	M.STRAWSER 11/19/99	A		70232	sheet
				chr	M.STRAWSER 11/19/99				7
				appd	M.STRAWSER 02/29/00				
sheet index	revision sheet								

1 | 2

Pro/E

3 |

cage code 22526

4

PRODUCT NUMBER
70232-XYX
70232-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:
70232 -XYX IS SnPb
70232-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-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.
11. FOR LEAD FREE PART NUMBERS, ADD AN "LF" SUFFIX. EXAMPLE: 70232-X01LF
12. 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.

A

A



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.

B

B

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, 4 ROW PRESS-FIT		
AM					0.XX ±0.13		projection				
					.XXX ±.051						
				angles	0° ±2°				product family METRAL code		
		dr	T.BRUNGARD	11/19/99	size		dwg no		213		
		engr	M.STRAWSER	11/19/99	A		70232		sheet		
		chr	M.STRAWSER	11/19/99	scale		1:1		8		
		appd	M.STRAWSER	02/29/00							
sheet index	revision sheet										