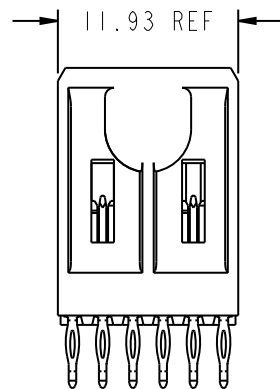
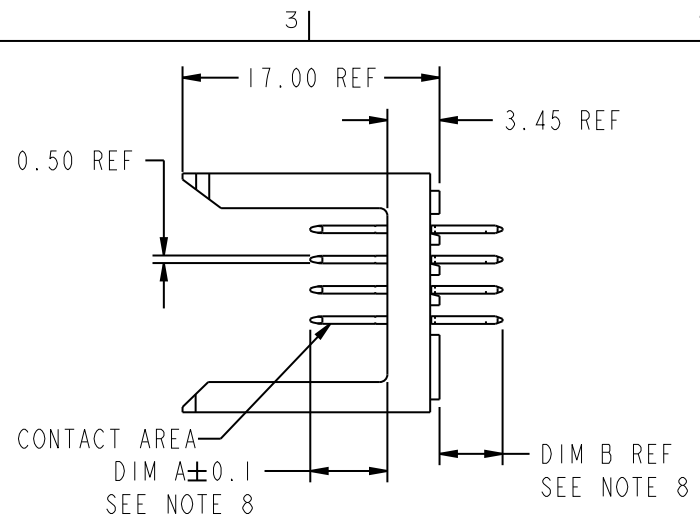
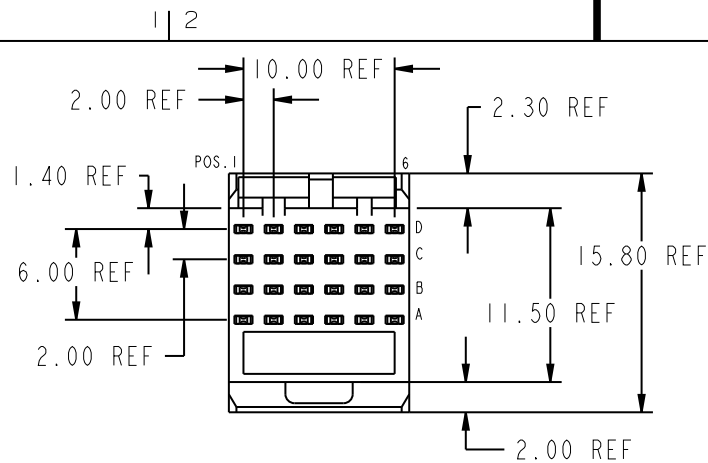


PRODUCT NUMBER
70232-XYX
70232-XYLF



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

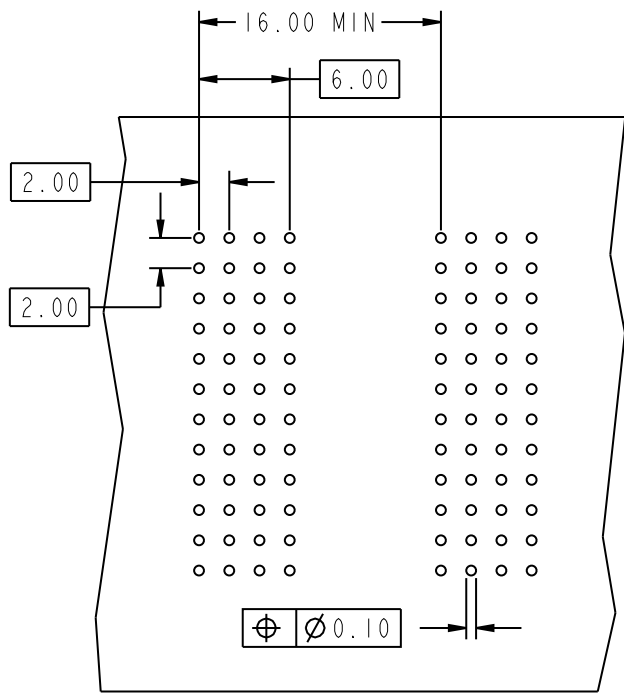
mat'l code				tolerances unless otherwise specified				CUSTOMER		FCJ www.fcjconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.3		COPY		title METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT		
AL	V06-0498	DCH	2006-05-31		0.XX ±0.13		projection				
AM	DG09-0256	TER	2009-08-19		.XXX ±.051						
-	-	-	-	angles	0°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

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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



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mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fcjconnect.com		
ltr	ecm 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	
				dr	T.BRUNGARD	11/19/99	MM			code
				engr	M.STRAWSER	11/19/99				213
				chr	M.STRAWSER	11/19/99	scale		sheet	
				appd	M.STRAWSER	02/29/00	1:1		2	
sheet index	revision sheet									

cage code 22526



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METRAL P/N	ROW	CONTACT CODE MOD. I					
		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-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-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-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-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-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-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-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-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-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-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-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-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-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-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-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-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-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								

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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	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	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	1	1	1	1	1	1	SEE NOTE 11 LEAD FREE OPTION	C	3	3	3	3	3	3	SEE NOTE 11 LEAD FREE OPTION	C	3	3	3	3	3	3								
	B	10	10	10	10	10	10		B	11	11	11	11	11	11		B	1	1	1	1	1	1	1		B	3	3	3	3	3	3	SEE NOTE 11 LEAD FREE OPTION	B	3	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	3								



mat'l code				tolerances unless otherwise specified				CUSTOMER		FCJ		www.fcjconnect.com	
ltr	ecr 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		scale						
				angles	0° ±2°		1:1		product family		METRAL code		
				dr	T.BRUNGARD	11/19/99			size		213		
				engr	M.STRAWSER	11/19/99			dwg no		4		
				chr	M.STRAWSER	11/19/99			A		70232		
				appd	M.STRAWSER	02/29/00					sheet		
sheet index	revision sheet												

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B



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

METRAL P/N	CONTACT CODE MOD. I	METRAL P/N	CONTACT CODE MOD. I	METRAL P/N	CONTACT CODE MOD. I
70232-X53	D 14 14 14 14 14 14	70232-X57	D 8 8 8 8 8 8	70232-X61	D 10 10 10 10 10 10
SEE NOTE 11 LEAD FREE OPTION	C 7 7 7 7 7 7	SEE NOTE 11 LEAD FREE OPTION	C 8 8 8 8 8 8	SEE NOTE 11 LEAD FREE OPTION	C 10 10 10 10 10 10
	B 7 7 7 7 7 7		B 14 14 14 14 14 14		B 10 10 10 10 10 10
	A 7 7 7 7 7 7		A 14 14 14 14 14 14		A 12 12 12 12 12 12
METRAL P/N	CONTACT CODE MOD. I	METRAL P/N	CONTACT CODE MOD. I	METRAL P/N	CONTACT CODE MOD. I
70232-X54	D 6 6 6 6 6 6	70232-X58	D 20 20 20 20 20 20	70232-X62	D 9 9 9 9 9 9
SEE NOTE 11 LEAD FREE OPTION	C 6 6 6 6 6 6	SEE NOTE 11 LEAD FREE OPTION	C 7 7 7 7 7 7	SEE NOTE 11 LEAD FREE OPTION	C 9 9 9 9 9 9
	B 8 8 8 8 8 8		B 8 8 8 8 8 8		B 9 9 9 9 9 9
	A 6 6 6 6 6 6		A 7 7 7 7 7 7		A 10 10 10 10 10 10
METRAL P/N	CONTACT CODE MOD. I	METRAL P/N	CONTACT CODE MOD. I	METRAL P/N	CONTACT CODE MOD. I
70232-X55	D 5 5 5 5 5 5	70232-X59	D 8 8 8 8 8 8	70232-X63	D 15 15 15 15 15 15
SEE NOTE 11 LEAD FREE OPTION	C 6 6 6 6 6 6	SEE NOTE 11 LEAD FREE OPTION	C 7 7 7 7 7 7	SEE NOTE 11 LEAD FREE OPTION	C 11 11 11 11 11 11
	B 6 6 6 6 6 6		B 7 7 7 7 7 7		B 11 11 11 11 11 11
	A 8 8 8 8 8 8		A 8 8 8 8 8 8		A 11 11 11 11 11 11
METRAL P/N	CONTACT CODE MOD. I	METRAL P/N	CONTACT CODE MOD. I	METRAL P/N	CONTACT CODE MOD. I
70232-X56	D 20 20 20 20 20 20	70232-X60	D 10 10 10 10 10 10	70232-X64	D 10 10 10 10 10 10
SEE NOTE 11 LEAD FREE OPTION	C 7 7 7 7 7 7	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
	B 7 7 7 7 7 7		B 12 12 12 12 12 12		B 12 12 12 12 12 12
	A 7 7 7 7 7 7		A 10 10 10 10 10 10		A 11 11 11 11 11 11
METRAL P/N	CONTACT CODE MOD. I	METRAL P/N	CONTACT CODE MOD. I	METRAL P/N	CONTACT CODE MOD. I
70232-X57	D 8 8 8 8 8 8	70232-X61	D 10 10 10 10 10 10	70232-X65	D 9 9 9 9 9 9
SEE NOTE 11 LEAD FREE OPTION	C 8 8 8 8 8 8	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
	B 14 14 14 14 14 14		B 10 10 10 10 10 10		B 11 11 11 11 11 11
	A 14 14 14 14 14 14		A 12 12 12 12 12 12		A 12 12 12 12 12 12

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				angles	0.XX ±0.13	MM				METRAL SIGNAL HEADER 1 MOD, 4 ROW PRESS-FIT	
				dr	.XXX ±.051	scale		product family		code	
				engr	0° ±2°	1:1		METRAL		213	
				chr				size		sheet	
				appd				A		5	
sheet index	revision sheet										



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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		 www.fciconnect.com	
ltr	ecr 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	 scale 1:1			
				angles	0° ±2°				
		dr	T.BRUNGARD	11/19/99			product family		METRAL
		engr	M.STRAWSER	11/19/99			size		dwg no
		chr	M.STRAWSER	11/19/99			A		70232
		appd	M.STRAWSER	02/29/00					code
sheet index		revision sheet						213	
								sheet	
								6	
								cage code	
								22526	

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


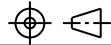

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
70232-X99	D	11	11	11	11	11	11
SEE NOTE 11 LEAD FREE OPTION	C	10	10	10	10	10	10
	B	10	10	10	10	10	10
	A	10	10	10	10	10	10

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

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



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Pro/E

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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



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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	MM		size		213
				engr	M.STRAWSER	11/19/99	← MM →		dwg no		sheet
				chr	M.STRAWSER	11/19/99	scale		A		8
				appd	M.STRAWSER	02/29/00	1:1		70232		
sheet index	revision sheet										