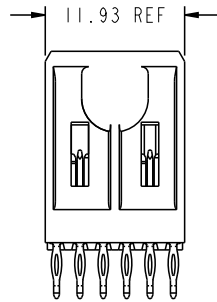
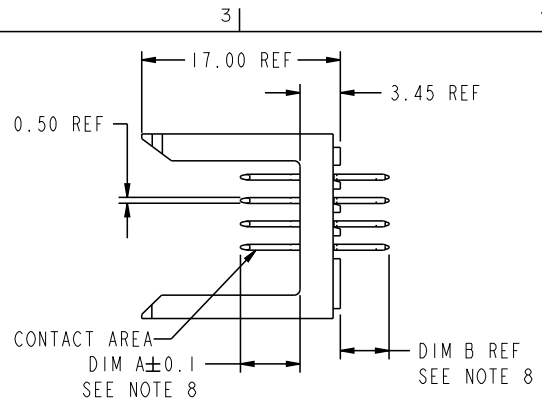
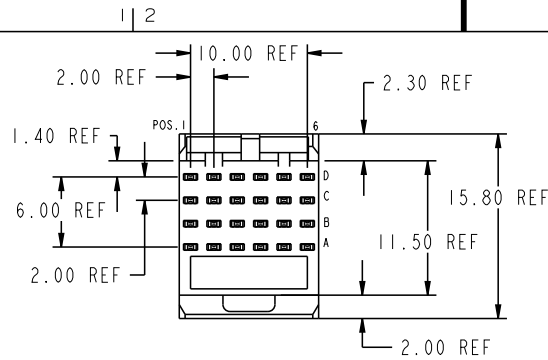


PRODUCT NUMBER
70232-XYX
70232-XYXLF



PLATING IN CONTACT AREA		
DASH NUMBER	PERFORMANCE LEVEL	NOTES
-Ayy	TELCORDIA CO	SEE NOTE 9
-N1yy	TELCORDIA CO (NXT)	-
-N5yy	TELCORDIA UE (NXT)	-
-1yy	TELCORDIA CO	-
-2yy	TELECOM CLASS	-
-3yy	IEC CLASS I	-
-5yy	TELCORDIA UE	-
-AYXLF	TELCORDIA CO	SEE NOTE 10
-N1YXLF	TELCORDIA CO (NXT) IEC CLASS I	SEE NOTE 10
-N5YXLF	TELCORDIA UE (NXT)	SEE NOTE 10
-1YXLF	TELCORDIA CO IEC CLASS I	SEE NOTE 10
-2YXLF	TELECOM CLASS	SEE NOTE 10
-5YXLF	TELCORDIA UE	SEE NOTE 10

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

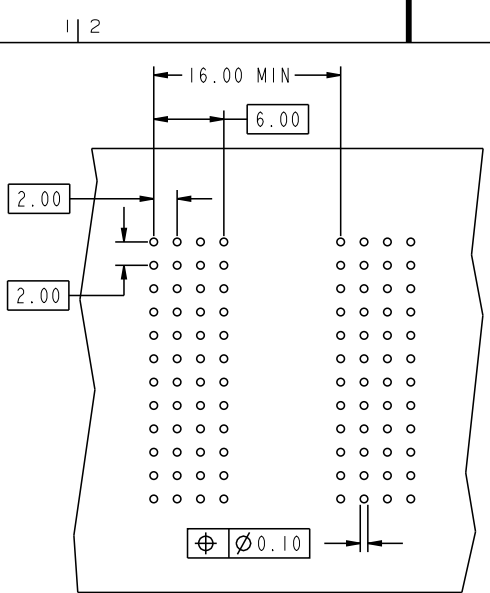
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REV E - 2006-04-18

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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

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

PDM: Rev:AM STATUS:Released Printed: Jan 17, 2011

REV E - 2006-04-18



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METRAL P/N		CONTACT CODE MOD. I					
ROW	1	2	3	4	5	6	
70232-X10	D	1	1	1	1	1	
SEE NOTE 11 LEAD FREE OPTION	C	2	2	2	2	2	
	B	2	2	2	2	2	
	A	3	3	3	3	3	

mat'l code	tolerances unless otherwise specified	CUSTOMER	FCI
lfr	ecr no.	dr	date
AM			
linear	0.X ±0.13	projection	title
angles	.XXX ±.051		METRAL SIGNAL HEADER
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	70232
appd	M. STRAWSER 02/29/00	scale	213
sheet index	revision sheet	scale	3



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METRAL P/N		CONTACT CODE MOD. I					
ROW	1	2	3	4	5	6	
70232-X30	D	9	9	9	9	9	
SEE NOTE 11 LEAD FREE OPTION	C	10	10	10	10	10	
	B	10	10	10	10	10	
	A	11	11	11	11	11	

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



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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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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

METRAL P/N	ROW	CONTACT CODE MOD. I					
		1	2	3	4	5	6
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	
lfr	ecm no.	dr	date	linear	0.X ±0.3	projection	copy	www.fciconnect.com	
AM				angles	0.XX ±0.13		title	METRAL SIGNAL HEADER	
				dr	.XXX ±.051		product family	METRAL	
				eng	0 ±.2	MM	size	dwg no	
				chr	T. BRUNGARD 11/19/99	scale	A	70232	
				appd	M. STRAWSER 11/19/99	1:1		sheet 5	
sheet index	revision				M. STRAWSER 02/29/00			code 22526	
	sheet								



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METRAL P/N		CONTACT CODE MOD. I					
ROW	1	2	3	4	5	6	
70232-X70	D	4	4	4	4	4	
SEE NOTE 11 LEAD FREE OPTION	C	2	2	2	2	2	
	B	2	2	2	2	2	
	A	2	2	2	2	2	

METRAL P/N		CONTACT CODE MOD. I					
ROW	1	2	3	4	5	6	
70232-X74	D	2	2	2	2	2	
SEE NOTE 11 LEAD FREE OPTION	C	3	3	3	3	3	
	B	3	3	3	3	3	
	A	3	3	3	3	3	

METRAL P/N		CONTACT CODE MOD. I					
ROW	1	2	3	4	5	6	
70232-X78	D	1	1	1	1	1	
SEE NOTE 11 LEAD FREE OPTION	C	1	1	1	1	1	
	B	3	3	3	3	3	
	A	1	1	1	1	1	

METRAL P/N		CONTACT CODE MOD. I					
ROW	1	2	3	4	5	6	
70232-X82	D	6	6	6	6	6	
SEE NOTE 11 LEAD FREE OPTION	C	8	8	8	8	8	
	B	8	8	8	8	8	
	A	20	20	20	20	20	

METRAL P/N		CONTACT CODE MOD. I					
ROW	1	2	3	4	5	6	
70232-X86	D	20	20	20	20	20	
SEE NOTE 11 LEAD FREE OPTION	C	5	5	5	5	5	
	B	5	5	5	5	5	
	A	20	20	20	20	20	

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

REV 1 - 2006-04-18

PDM: Rev:AM STATUS:Released Printed: Jan 17, 2011



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METRAL P/N	ROW	CONTACT CODE MOD. 1					
		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. 1					
		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. 1					
		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. 1					
		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. 1					
		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. 1					
		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. 1					
		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. 1					
		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. 1					
		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. 1					
		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

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

1 | 2

3 |

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.

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCJ		www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0, X ±0,3	COPY		projection		title	
AM					0, XX ±0,13	COPY				METRAL SIGNAL HEADER	
				angles	.XXX ±.051					1 MOD, 4 ROW PRESS-FIT	
				dr	0° ±2°			product family		METRAL	
				eng	T. BRUNGARD 11/19/99			size		213	
				chr	M. STRAWSER 11/19/99	scale		dwg no		sheet	
				oppd	M. STRAWSER 02/29/00	1:1		70232		8	
sheet index	revision sheet										

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REV E - 2006-04-18

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3 |

4

Pro/E

cage code 22526

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