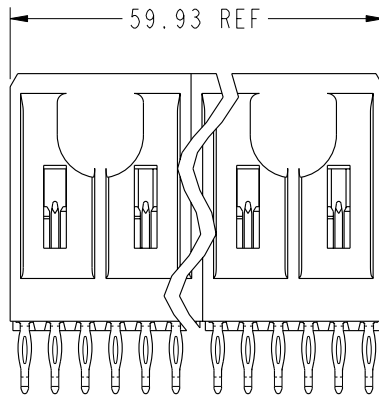
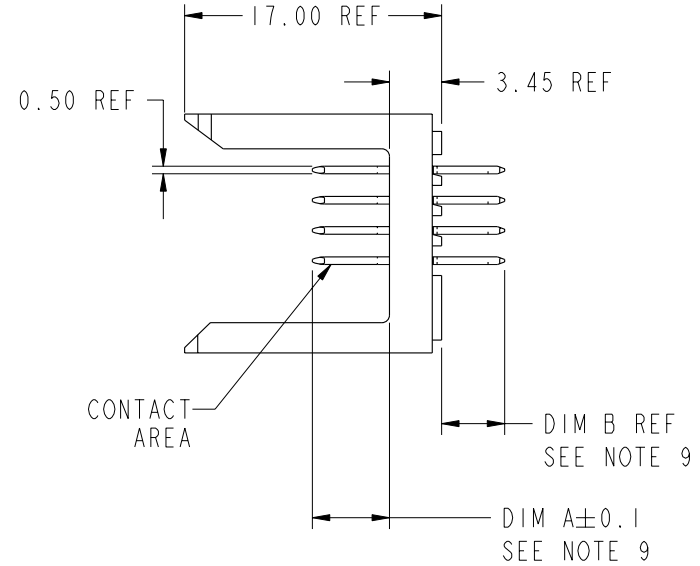
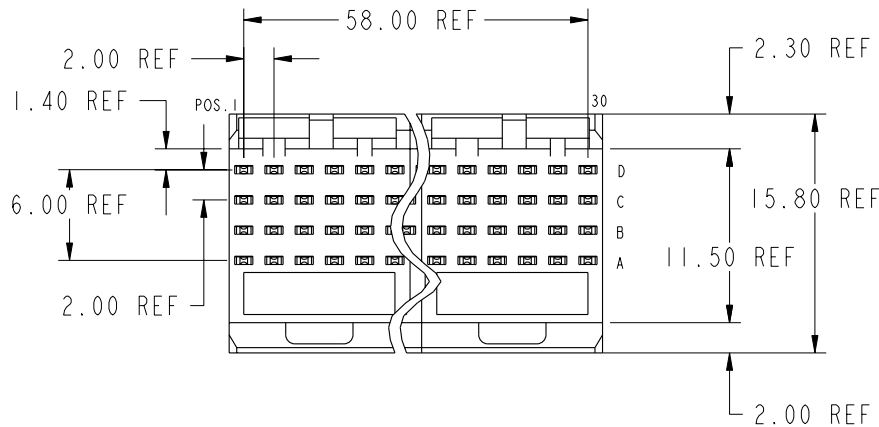


PRODUCT NUMBER

SEE TABLE



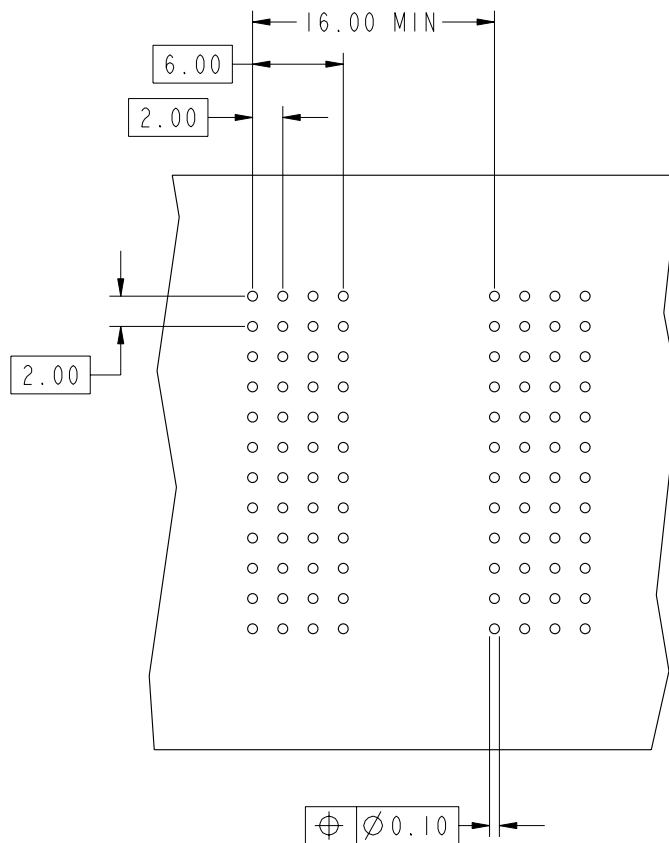
mat'l code				SEE NOTES			tolerances unless otherwise specified			CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ± 0.3			COPY		www.fciconnect.com			
P	V06-0498	DCH	2006-06-02		0.XX ± 0.13			projection		title			
-	-	-	-		.XXX ± 0.051					METRAL SIGNAL HEADER 5 MOD, 4 ROW PRESS-FIT			
J	V03-0023	TAB	02/06/03	angles	0° ± 2°					product family		code	
K	V03-1319	DAI	12/17/03	dr	T.BRUNGARD	11/19/99	MM		METRAL		213		
L	V04-0193	HTB	02/24/04	engr	M.STRAWSER	11/19/99	← MM →		size		sheet		
M	V04-0617	TAB	07/07/04	chr	M.STRAWSER	11/19/99	scale		A		1 of 5		
N	V04-0362	VS	05/04/05	appd	M.STRAWSER	02/29/00	2:1		70452				
sheet	revision	P	P	P	P	P							
index	sheet	1	2	3	4	5							

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1 | 2

3 |

4



KEY (SIGNAL PRESS-FIT)		
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
19	8.00	4.30

REQUIRED PCB BOARD LAYOUT  
COMPONENT SIDE  
SEE PRINT 58351 FOR  
ADDITIONAL PCB INFORMATION

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 METRAL SIGNAL HEADER 5 MOD, 4 ROW PRESS-FIT
P					0.XX ±0.13	MM			
					.XXX ±.051	1:1			
				angles	0° ±2°	scale		product family	code
				dr	T.BRUNGARD	11/19/99	METRAL		213
				enr	M.STRAWSER	11/19/99	size	dwg no	sheet
				chr	M.STRAWSER	11/19/99	A	70452	2
				appd	M.STRAWSER	02/29/00			
sheet index	revision sheet								

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Pro/E

3 |


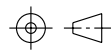

cage code 22526

4

PRODUCT NUMBER	DESCRIPTION	PLATING IN PRESS FIT TAIL AREA	PERFORMANCE LEVEL OF PLATING IN CONTACT AREA
70452-NIYYY	STANDARD	TIN LEAD	TELCORDIA CO (NXT)
70452-N5YYY	STANDARD	TIN LEAD	TECORDIA UE (NXT)
70452-1YYY	STANDARD	TIN LEAD	TELCORDIA CO
70452-2YYY	STANDARD	TIN LEAD	TELECOM CLASS
70452-3YYY	STANDARD	TIN LEAD	IEC CLASS I
70452-5YYY	STANDARD	TIN LEAD	TELCORDIA UE
70452-9YYY	STANDARD	TIN LEAD	TELCORDIA CO
70452-NIYYLFF	LEAD FREE	TIN	TELCORDIA CO (NXT), IEC CLASS I, SEE NOTES 10 AND 11
70452-N5YYLFF	LEAD FREE	TIN	TECORDIA UE (NXT) SEE NOTES 10 AND 11
70452-1YYLFF	LEAD FREE	TIN	TELCORDIA CO, IEC CLASS I, SEE NOTES 10 AND 11
70452-2YYLFF	LEAD FREE	TIN	TELECOM CLASS, SEE NOTES 10 AND 11
70452-5YYLFF	LEAD FREE	TIN	TELCORDIA UE, SEE NOTES 10 AND 11

NOTES:

- FOR DIM A AND B SEE DWG. NO. 70451 SHTS 2 THRU 8 FOR DASH NUMBERS X010 THROUGH X099. FOR DASH NOS. X300 AND UP, SEE SHT 3 FOR SELECT LOAD NUMBERS.
- 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 AREA SEE PRODUCT NUMBER TABLE. PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE ON SHEET3.
- 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, SUFFIX "P" WILL BE ADDED TO THE END OF THE PART NUMBER. EXAMPLE: XXXXX-XXXXP OR XXXXX-XXXXPLF
- PRODUCT SPECIFICATION: GS-12-180 APPLICATION SPECIFICATION: BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL.
- THE PRODUCTS WHERE THE PART NUMBERS ENDS IN LF MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-12-008.
- ALL PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING 70452-NI--- OR 70452-N5--- WILL WITHSTAND EXPOSURE TO 260 DEGREES C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. PART NUMBERS 70452-N1--- AND 70452-N5--- WILL NOT WITHSTAND REFLOW AND THE Au CONTACT SURFACE OF THE CONTACTS SHALL BE EXPOSED TO A MAXIMUM 140 DEGREES C FOR NO LONGER THAN 15 SECONDS IN A WAVE SOLDER APPLICATION.

mat'l code		--		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	COPY		title	
P					0.XX ±0.13	projection		METRAL SIGNAL HEADER	
					.XXX ±.051			5 MOD, 4 ROW PRESS-FIT	
				angles	0° ±2°			product family	
				dr	T.BRUNGARD	11/19/99	METRAL		code
				engr	M.STRAWSER	11/19/99	size		213
				chr	M.STRAWSER	11/19/99	dwg no		sheet
				appd	M.STRAWSER	02/29/00	A		3
sheet index		revision sheet		scale		1:1		70452	

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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5								
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5							
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	B	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5							
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5							
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	B	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5							
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5							
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70452-X307 AND 70452-X307LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	B	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5							
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70452-X303 AND 70452-X303LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5							
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70452-X308 AND 70452-X308LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	B	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
	A	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5							
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70452-X304 AND 70452-X304LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5							
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70452-X309 AND 70452-X309LF	D	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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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 5 MOD, 4 ROW PRESS-FIT
P					0.XX ±0.13		projection		
					angles	.XXX ±.051			
				0° ±2°					
		dr	T.BRUNGARD	11/19/99	product family		METRAL		code
		enrg	M.STRAWSER	11/19/99	size		dwg no		213
		chr	M.STRAWSER	11/19/99	scale		A		sheet
		appd	M.STRAWSER	02/29/00	1:1		70452		4
sheet index	revision sheet								

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5								
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70452-X310 AND 70452-X310LF	D	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	C	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	B	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5								
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70452-X311 AND 70452-X311LF	D	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5								
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	B	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	A	4	4	4	4	4	4	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	4	4	4	4	4	4

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5								
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70452-X313 AND 70452-X313LF	D	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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mat'l code				tolerances unless otherwise specified				CUSTOMER				www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0.X ±0.3			COPY				title			
P					0.XX ±0.13			projection				METRAL SIGNAL HEADER			
					angles	.XXX ±.051							5 MOD, 4 ROW PRESS-FIT		
				dr		T.BRUNGARD	11/19/99					product family		METRAL	code
				engr	M.STRAWSER	11/19/99	scale				size	dwg no	213		
				chr	M.STRAWSER	11/19/99	1:1				A	70452	sheet		
				appd	M.STRAWSER	02/29/00							5		
sheet index		revision sheet													