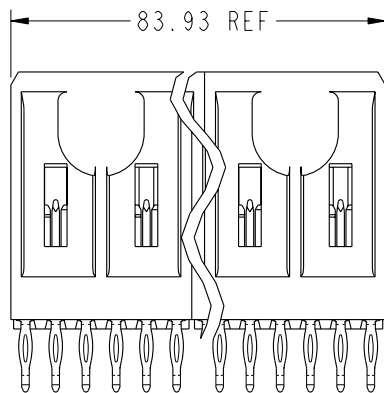
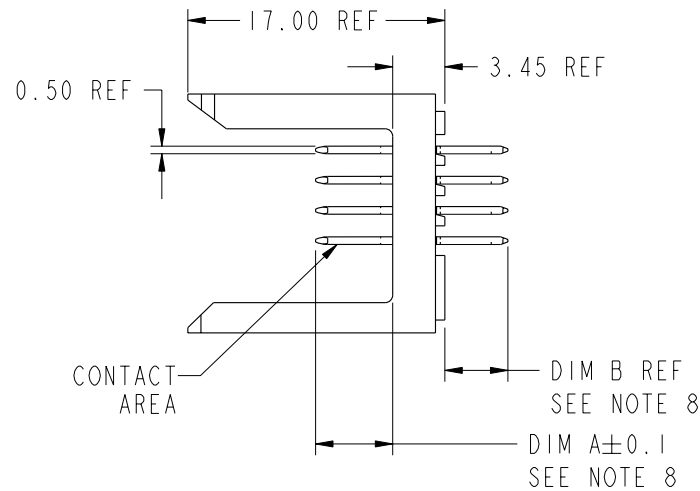
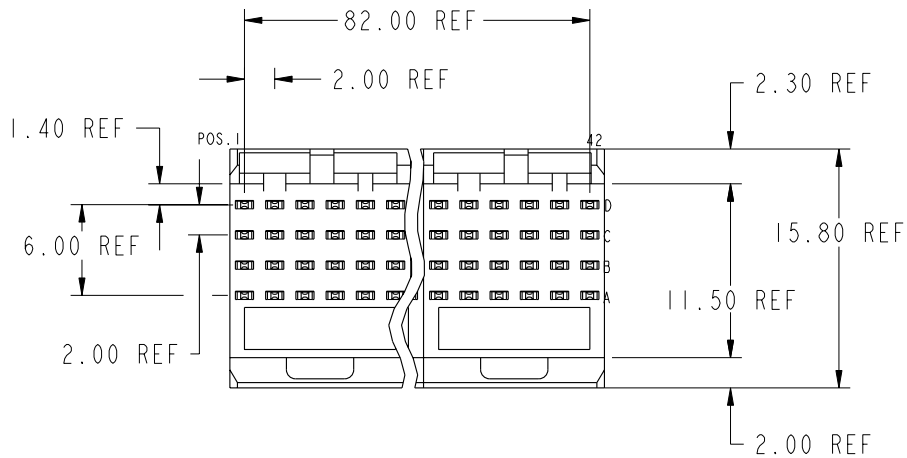

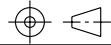



PRODUCT NUMBER

SEE TABLE

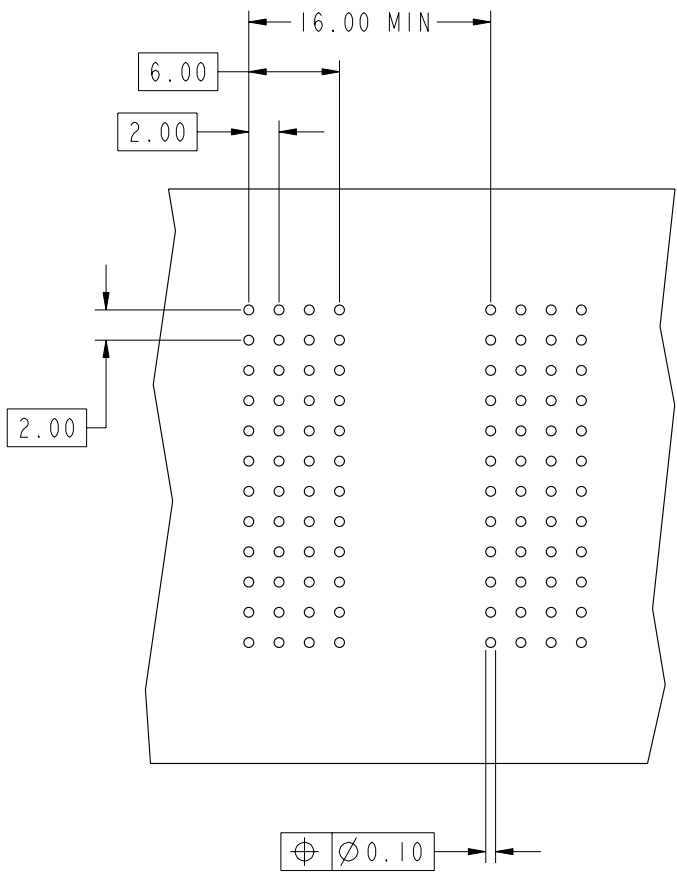


mat'l code				SEE NOTES			tolerances unless otherwise specified			CUSTOMER		 www.fciconnect.com	
ltr	ecm no.	dr	date	linear	0.X ±0.3			COPY		title METRAL SIGNAL HEADER 7 MOD, 4 ROW PRESS-FIT			
P	V06-0498	DCH	2006-06-02		0.XX ±0.13			projection					
-	-	-	-		.XXX ±.051								
J	V03-0023	TAB	02/06/03	angles	0° ±2°					product family		code	
K	V03-1319	DAI	12/17/03	dr	T.BRUNGARD	11/19/99	MM		METRAL		213		
L	V04-0617	TAB	07/07/04	engr	M.STRAWSER	11/19/99	← MM →		size		sheet		
M	V05-0119	HTB	02/02/05	chr	M.STRAWSER	11/19/99	scale		A		1 of 5		
N	V05-0364	VS	05/05/05	appd	M.STRAWSER	02/29/00	2:1		70454				
sheet	revision	P	P	P	P	P							
index	sheet	1	2	3	4	5							

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

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

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 7 MOD, 4 ROW PRESS-FIT	
P					0.XX ±0.13	projection				
					.XXX ±.051					
				angles	0° ±2°	MM		product family	METRAL	
		dr	T.BRUNGARD	11/19/99		size	dwg no	code		
		engr	M.STRAWSER	11/19/99		A	70454	213		
		chr	M.STRAWSER	11/19/99		scale	sheet		2	
		appd	M.STRAWSER	02/29/00		1:1	cage code		22526	
sheet index	revision sheet									

PRODUCT NUMBER	DESCRIPTION	PLATING IN PRESS FIT TAIL AREA	PERFORMANCE LEVEL OF PLATING IN CONTACT AREA
70454-NIYYY	STANDARD	TIN LEAD	TELCORDIA UE (NXT)
70454-N5YYY	STANDARD	TIN LEAD	TECORDIA CO (NXT)
70454-1YYY	STANDARD	TIN LEAD	TELCORDIA CO
70454-2YYY	STANDARD	TIN LEAD	TELECOM CLASS
70454-3YYY	STANDARD	TIN LEAD	IEC CLASS I
70454-5YYY	STANDARD	TIN LEAD	TELCORDIA UE
70454-9YYY	STANDARD	TIN LEAD	TELCORDIA CO
70454-NIYYLFF	LEAD FREE	TIN	TELCORDIA CO (NXT), IEC CLASS I, SEE NOTES 9 AND 10
70454-N5YYLFF	LEAD FREE	TIN	TECORDIA UE (NXT) SEE NOTES 9 AND 10
70454-1YYLFF	LEAD FREE	TIN	TELCORDIA CO, IEC CLASS I, SEE NOTES 9 AND 10
70454-2YYLFF	LEAD FREE	TIN	TELECOM CLASS, SEE NOTES 9 AND 10
70454-5YYLFF	LEAD FREE	TIN	TELCORDIA UE, SEE NOTES 9 AND 10

NOTES:

- FOR DIM A AND B SEE DRAWING 70451, SHEETS 2 - 8 FOR DASH NUMBERS -X010 THROUGH -X099. FOR DASH NUMBERS -X300 AND UP, SEE SHEET 3 AND UP FOR SELECT LOAD.
- 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 70454-NI--- OR 70454-N5--- WILL WITHSTAND EXPOSURE TO 260 DEGREES C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. PART NUMBERS 70454-NI--- AND 70454-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.



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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 7 MOD, 4 ROW PRESS-FIT
P					0.XX ±0.13	projection			
					.XXX ±.051				
				angles	0° ±2°			product family	METRAL
				dr	T.BRUNGARD 11/19/99	scale		size	dwg no
				engr	M.STRAWSER 11/19/99	1:1		A	70454
				chr	M.STRAWSER 11/19/99				code
				appd	M.STRAWSER 02/29/00				213
sheet index		revision sheet							sheet
									3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42						
70454-X300 AND 70454-X300LF	D	4	4	1	1	1	1	1	1	4	1	1	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	4	4	1	1	1	1	1	1	1	1	1	1	4	1	1					
	C	4	4	1	1	1	1	4	4	4	4	4	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	4	1	1	1	1	1	1	1	1	1	1	1	4	1	1				
	B	4	4	4	4	4	1	1	4	1	1	4	4	4	4	4	4	4	4	4	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1
	A	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42						
70454-X301 AND 70454-X301LF	D	4	4	1	1	1	1	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	4	4	1	1	1	1	1	1	1	1	1	1	1	4	1	1					
	C	4	4	1	1	1	1	4	4	4	4	4	1	4	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	4	1	1	1	1	1	1	1	1	1	1	1	4	1	1					
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	A	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42							
70454-X302 AND 70454-X302LF	D	4	1	1	1	1	1	1	1	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	4	4	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1					
	C	4	1	1	1	1	1	1	1	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1					
	B	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1
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A

A



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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42							
70454-X303 AND 70454-X303LF	D	4	1	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	4	4	4	1	1	1	1	1	1	1	1	1	1	4	4	1	1					
	C	4	1	1	1	1	1	1	1	1	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	1	1	4	4	1	1	1	1	1	1	1	1	1	1	1	4	4	1	1				
	B	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1
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B

B


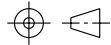

mat'l code				--	tolerances unless otherwise specified				CUSTOMER				www.fciconnect.com				
ltr	ecn no.	dr	date		linear	0.X ±0.3				COPY				title			
P						0.XX ±0.13				projection				METRAL SIGNAL HEADER			
						.XXX ±.051								7 MOD, 4 ROW PRESS-FIT			
					angles	0° ±2°								product family			
					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				4	
sheet index		revision sheet															

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7											
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
70454-X304 AND 70454-X304LF	D	3	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	1	1	1	1	1	1	1	1	1	1	1	3	
	C	3	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	1	1	1	1	1	1	1	1	1	1	1	1	3
	B	3	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	1	1	1	1	1	1	1	1	1	1	1	1	3
	A	3	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	1	1	1	1	1	1	1	1	1	1	1	1	3

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7											
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
70454-X305 AND 70454-X305LF	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	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	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	2	2	2	2	2	2	2	2	2	2	2	2	2
	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	2	2	2	2	2	2	2	2	2	2	2	2	2
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7										
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70454-X306 AND 70454-X306LF	D	19	-	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	3	3	3	3	3	3	3	3	3	3
	C	19	-	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	3	3	3	3	3	3	3	3	3	3
	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	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	-	19	19	19	-	3	3	-	3	3	-	3	3	-	19	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7											
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
70454-X307 AND 70454-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	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				product family		
					0° ±2°		MM		METRAL		
		dr	T.BRUNGARD	11/19/99	scale		1:1		code		
		engr	M.STRAWSER	11/19/99	size		A		213		
		chr	M.STRAWSER	11/19/99	dwg no		70454		sheet		
		appd	M.STRAWSER	02/29/00	sheet index				5		
sheet index		revision sheet									

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