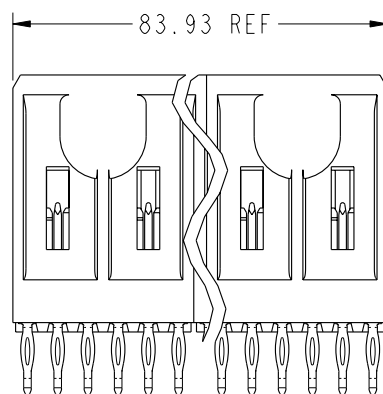
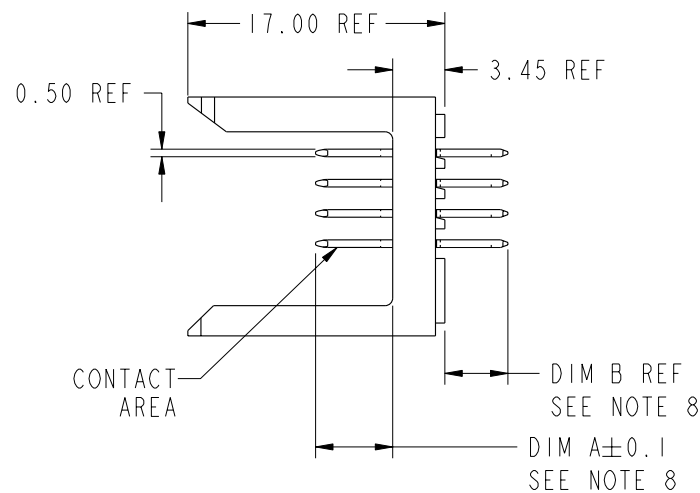
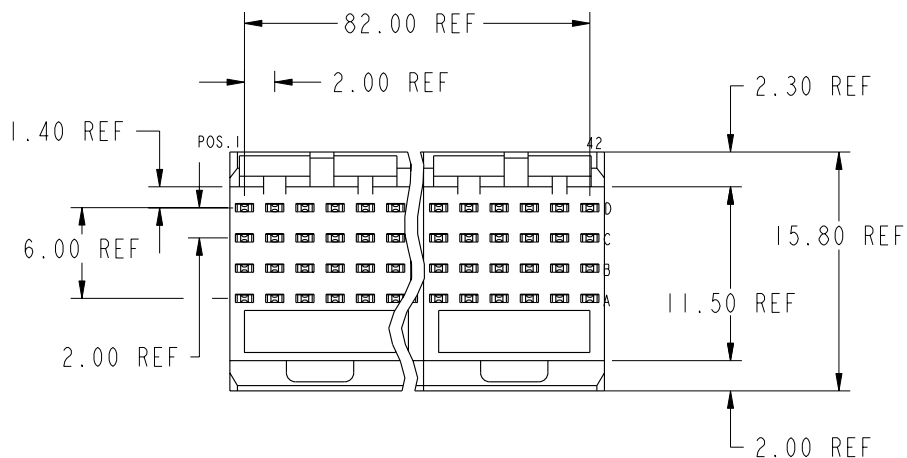

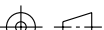




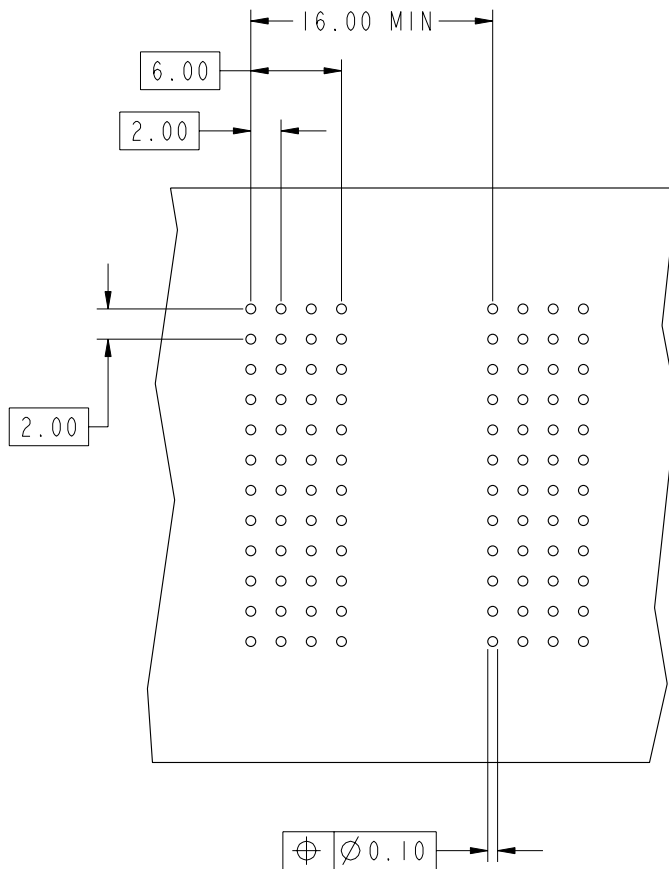
SEE TABLE



mat'l code				SEE NOTES				tolerances unless otherwise specified				CUSTOMER		 www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0. X \pm 0.3				COPY			title					
P	V06-0498	DCH	2006-06-02		0. XX \pm 0.13				projection			METRAL SIGNAL HEADER					
-	-	-	-		. XXX \pm .051							7 MOD, 4 ROW PRESS-FIT					
J	V03-0023	TAB	02/06/03	angles	0° \pm 2°						product family		code				
K	V03-1319	DA1	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						size		dwg no				
M	V05-0119	HTB	02/02/05	chr	M.STRAWSER 11/19/99				scale		70454		sheet				
N	V05-0364	VS	05/05/05	appd	M.STRAWSER 02/29/00				2:1		A		1 of 5				
sheet index		revision sheet		P	P	P	P	P									
				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		<div>FCi</div> <div>www.fciconnect.com</div>									
ltr	ecn no.	dr	date	linear	0. X ±0.3		COPY		<div>projection</div> <div></div>	title METRAL SIGNAL HEADER 7 MOD, 4 ROW PRESS-FIT							
P					0. XX ±0.13												
					. XXX ±.051												
				angles	0° ±2°												
				dr	T.BRUNGARD	11/19/99	<div>MM</div> <div>scale</div> <div>1 : 1</div>		product family			METRAL			code		
				engr	M.STRAWSER	11/19/99			size		dwg no			213			
				chr	M.STRAWSER	11/19/99			A		70454			sheet			
				appd	M.STRAWSER	02/29/00									2		
sheet		revision															
index		sheet															

cage code 22526

Pro/E

PDM: Rev:P

STATUS:Released

Printed: Jan 02, 2008



A

B

1 | 2

3 |

4


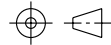

PRODUCT NUMBER	DESCRIPTION	PLATING IN PRESS FIT TAIL AREA	PERFORMANCE LEVEL OF PLATING IN CONTACT AREA
70454-NIYYY	STANDARD	TIN LEAD	TELCORDIA UE (NXT)
70454-N5YYY	STANDARD	TIN LEAD	TECORDIA CO (NXT)
70454-1YYY	STANDARD	TIN LEAD	TELCORDIA CO
70454-2YYY	STANDARD	TIN LEAD	TELECOM CLASS
70454-3YYY	STANDARD	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.

A

B

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 code 213 size dwg no 70454 sheet 3		
				dr	T.BRUNGARD	11/19/99	scale				
				enrg	M.STRAWSE	11/19/99	1:1				
				chr	M.STRAWSE	11/19/99					
				appd	M.STRAWSE	02/29/00					
sheet index		revision sheet									

Pro/E

3 |

cage code 22526

4

[illegible]

A

1



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B

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2						MOD. 3						MOD. 4						MOD. 5						MOD. 6						MOD. 7								
		I	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	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	4	1	1	1	4	4	1	1	1	1
	C	4	1	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	4	1	1	1	4	4	1	1	1	1
	B	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	1	1	1	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	1	4	4	4	4	4	4	4	4	4	3	3	3	3	3	1	1	1	1	1	1	1	1	

mat'l code				tolerances unless otherwise specified		CUSTOMER		<div>FCi</div> <div>www.fciconnect.com</div>						
lfr	ecn no.	dr	date	linear	0. X \pm 0.3	projection		title METRAL SIGNAL HEADER 7 MOD, 4 ROW PRESS-FIT						
P					0. XX \pm 0.13									
					.XXX \pm .051									
				angles	0° \pm 2°			product family METRAL						
				dr	T.BRUNGARD 11/19/99		size A					dwg no 70454		
				enrg	M.STRAWSER 11/19/99									
				chr	M.STRAWSER 11/19/99									
				appd	M.STRAWSER 02/29/00	scale		1 : 1		code 213 sheet 4				
sheet index		revision sheet												

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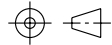



METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6					MOD. 7											
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70454-X304 AND 70454-X304LF	D	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	C	3	1	1	1	1	1	1	1	1	1	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												
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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	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	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	2
	A	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	2

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-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	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	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	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	3	3
	C	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	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	A	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	19	19	19	19	19	19	19	19	19	19	19	19	19	19

mat'l code				--		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
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P					0.XX ±0.13			title			
					.XXX ±.051			METRAL SIGNAL HEADER			
					0° ±2°			7 MOD, 4 ROW PRESS-FIT			
				angles							
				dr	T.BRUNGARD	11/19/99		product family		METRAL	code
				enr	M.STRAWSE	11/19/99		size		dwg no	213
				chr	M.STRAWSE	11/19/99		A		70454	sheet
				appd	M.STRAWSE	02/29/00		scale		1:1	5
sheet index		revision sheet									