

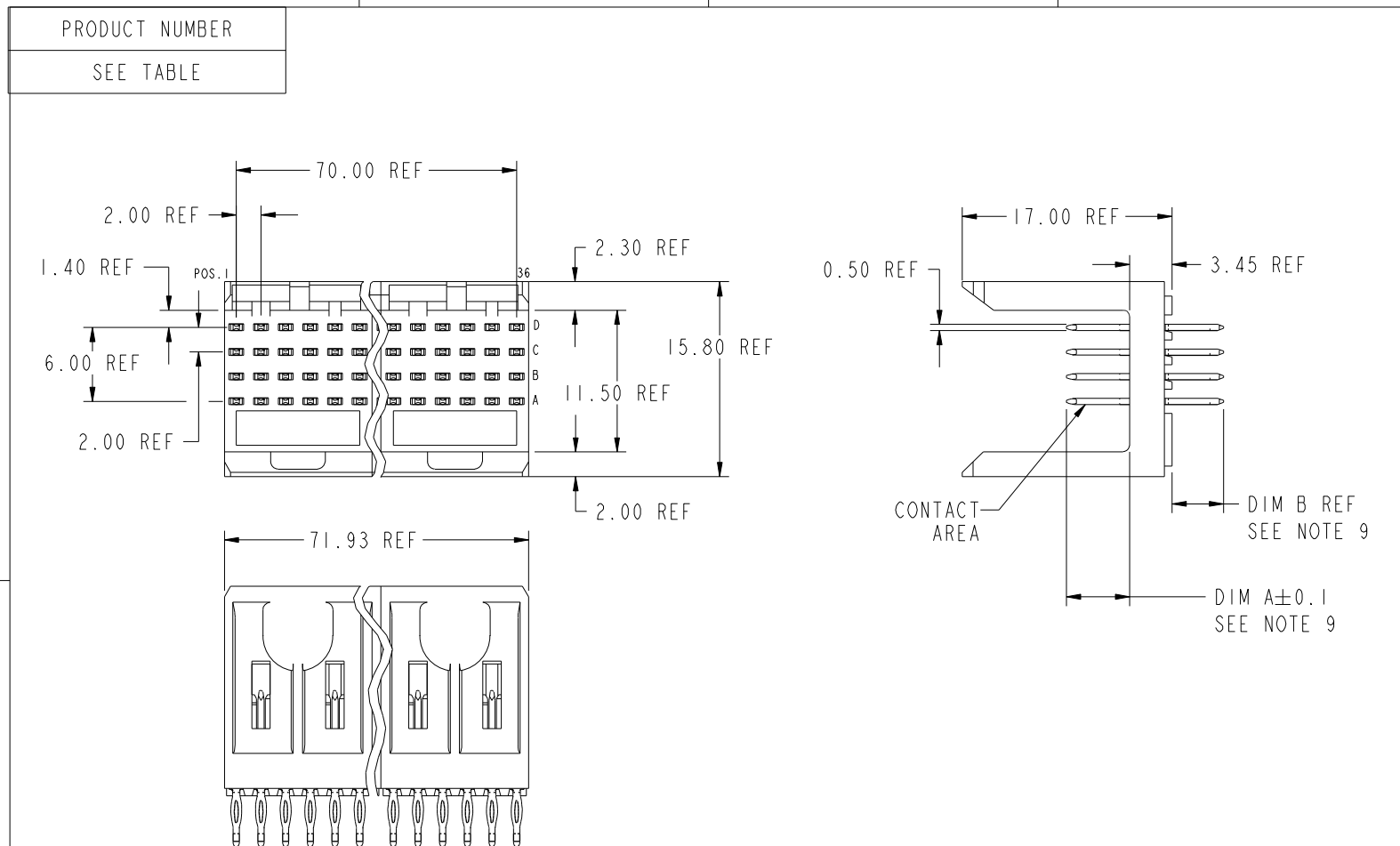


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REV E - 2006-04-18

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mat'l code				SEE NOTES				tolerances unless otherwise specified				CUSTOMER		FCI		www.fciconnect.com	
litr	ecn no.	dr	date	linear	0.X ± 0.3	projection	0.XX ± 0.13	0° $\pm 2^\circ$	0° $\pm 2^\circ$	0° $\pm 2^\circ$	0° $\pm 2^\circ$	COPY		title		METRAL SIGNAL HEADER	
P	V06-0498	DCH	2006-06-02	linear	0.XX ± 0.13	projection	0.XX ± 0.13	0° $\pm 2^\circ$	0° $\pm 2^\circ$	0° $\pm 2^\circ$	0° $\pm 2^\circ$	COPY		title		METRAL SIGNAL HEADER	
R	DG08-0228	Cenh	08/21/08	linear	0.XX ± 0.13	projection	0.XX ± 0.13	0° $\pm 2^\circ$	0° $\pm 2^\circ$	0° $\pm 2^\circ$	0° $\pm 2^\circ$	COPY		title		METRAL SIGNAL HEADER	
-	-	-	-	linear	0.XX ± 0.13	projection	0.XX ± 0.13	0° $\pm 2^\circ$	0° $\pm 2^\circ$	0° $\pm 2^\circ$	0° $\pm 2^\circ$	COPY		title		METRAL SIGNAL HEADER	
K	V03-0318	TAB	03/18/03	dr	T.BRUNGARD	11/19/99	dr	T.BRUNGARD	11/19/99	dr	T.BRUNGARD	product family		METRAL		code	
L	V03-1319	DAI	12/17/03	enr	M.STRAWER	11/19/99	enr	M.STRAWER	11/19/99	enr	M.STRAWER	size		dwg no		213	
M	V04-0617	TAB	07/07/04	chr	M.STRAWER	11/19/99	chr	M.STRAWER	11/19/99	chr	M.STRAWER	scale		A		sheet	
N	V05-0362	VS	05/04/05	appd	M.STRAWER	02/29/00	appd	M.STRAWER	02/29/00	appd	M.STRAWER	2:1		70453		1 of 5	
sheet	revision	R	R	R	R	R	index	sheet	I	2	3	4	5	cage code		22526	

Pro/E

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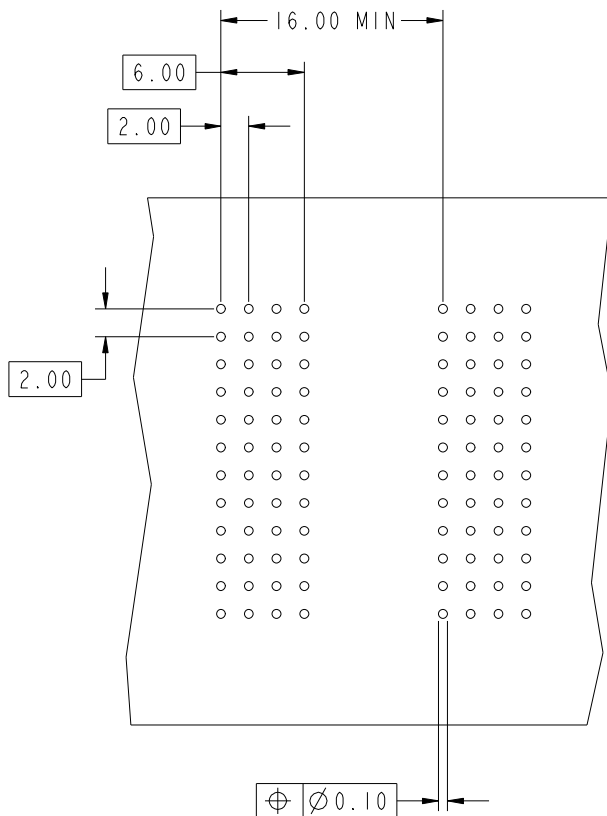
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REQUIRED PC BOARD LAYOUT
COMPONENT SIDE
SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION

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
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	
R					0.XX ±0.13					METRAL SIGNAL HEADER	
					.XXX ±.051					6 MOD, 4 ROW PRESS-FIT	
				angles	0° ±2°				<div>MM</div> <div>scale</div> <div>1 : 1</div>	product family	
		dr	T. BRUNGARD	11/19/99			METRAL			code	
		enr	M. STRAWSER	11/19/99						213	
		chr	M. STRAWSER	11/19/99			size			sheet	
		appd	M. STRAWSER	02/29/00			dwg no			2	
sheet index		revision sheet							A	70453	



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

A

B

1 2		3 4	
PRODUCT NUMBER	DESCRIPTION	PLATING IN PRESS FIT TAIL AREA	PERFORMANCE LEVEL OF PLATING IN CONTACT AREA
70453-NIYYY	STANDARD	TIN LEAD	TELCORDIA CO (NXT)
70453-N5YYY	STANDARD	TIN LEAD	TECORDIA UE (NXT)
70453-1YYY	STANDARD	TIN LEAD	TELCORDIA CO
70453-2YYY	STANDARD	TIN LEAD	TELECOM CLASS
70453-3YYY	STANDARD	TIN LEAD	IEC CLASS I
70453-5YYY	STANDARD	TIN LEAD	TELCORDIA UE
70453-9YYY	STANDARD	TIN LEAD	TELCORDIA CO
70453-NIYYLFL	LEAD FREE	TIN	TELCORDIA CO (NXT), IEC CLASS I, SEE NOTES 10 AND 11
70453-N5YYLFL	LEAD FREE	TIN	TECORDIA UE (NXT) SEE NOTES 10 AND 11
70453-1YYLFL	LEAD FREE	TIN	TELCORDIA CO, IEC CLASS I, SEE NOTES 10 AND 11
70453-2YYLFL	LEAD FREE	TIN	TELECOM CLASS, SEE NOTES 10 AND 11
70453-5YYLFL	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 70453-N1--- OR 70453-N5--- WILL WITHSTAND
EXPOSURE TO 260 DEGREES C FOR 60 SECONDS IN A
CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. PART
NUMBERS 70453-N1--- AND 70453-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		projection	COPY		title METRAL SIGNAL HEADER 6 MOD, 4 ROW PRESS-FIT			
R					0. XX ±0.13								
				angles	. XXX ±.051					product family METRAL code 213			
					0° ±2°								
				dr	T.BRUNGARD 11/19/99		MIM		size		dwg no		
				enrg	M. STRAWER 11/19/99				scale		70453		
				chr	M. STRAWER 11/19/99		1:1		A		sheet 3		
				appd	M. STRAWER 02/29/00								
sheet index		revision sheet											

A

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1 | 2

Pro/E

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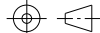

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70453-X300 AND 70453-X300LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	
	B	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6										
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70453-X301 AND 70453-X301LF	D	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	-	-
	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	A	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									
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70453-X302 AND 70453-X302LF	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
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6										
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70453-X303 AND 70453-X303LF	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	-	19	19
	C	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-	-	
	B	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	-	-	-	-	-	19	19
	A	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	-	19

METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6									
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70453-X304 AND 70453-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	3	3	3	3	3	3	3
	C	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
	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
	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	3	3	3	3	3	3	3

mat'l code				- -		tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com	
litr	ecn no.	dr	date			0.X ±0.3		COPY		projection		title	
R						linear 0.XX ±0.13						METRAL SIGNAL HEADER	
						.XXX ±.051						6 MOD, 4 ROW PRESS-FIT	
						angles 0° ±2°						product family	
						dr T.BRUNGARD 11/19/99						METRAL	
						enrg M.STRAWER 11/19/99				scale		size	
						chr M.STRAWER 11/19/99				1:1		dwg no	
						appd M.STRAWER 02/29/00						70453	
sheet index		revision sheet										code	
												213	
												sheet	
												4	

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Pro/E

PDM: Rev:R

STATUS: Released




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METRAL P/N		CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6										
		ROW	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
70453-X305 AND 70453-X305LF	D	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
	C	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	
	B	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	
	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	

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 6 MOD, 4 ROW PRESS-FIT							
R					0.XX ±0.13		projection										
					.XXX ±.051												
				angles	0° ±2°				product family METRAL				code 213				
			dr	T.BRUNGARD 11/19/99													
			enrg	M.STRAWSER 11/19/99													
				chr	M.STRAWSER 11/19/99		scale 1:1		size A		dwg no 70453		sheet 5				
			appd	M.STRAWSER 02/29/00													
sheet index		revision sheet															

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