



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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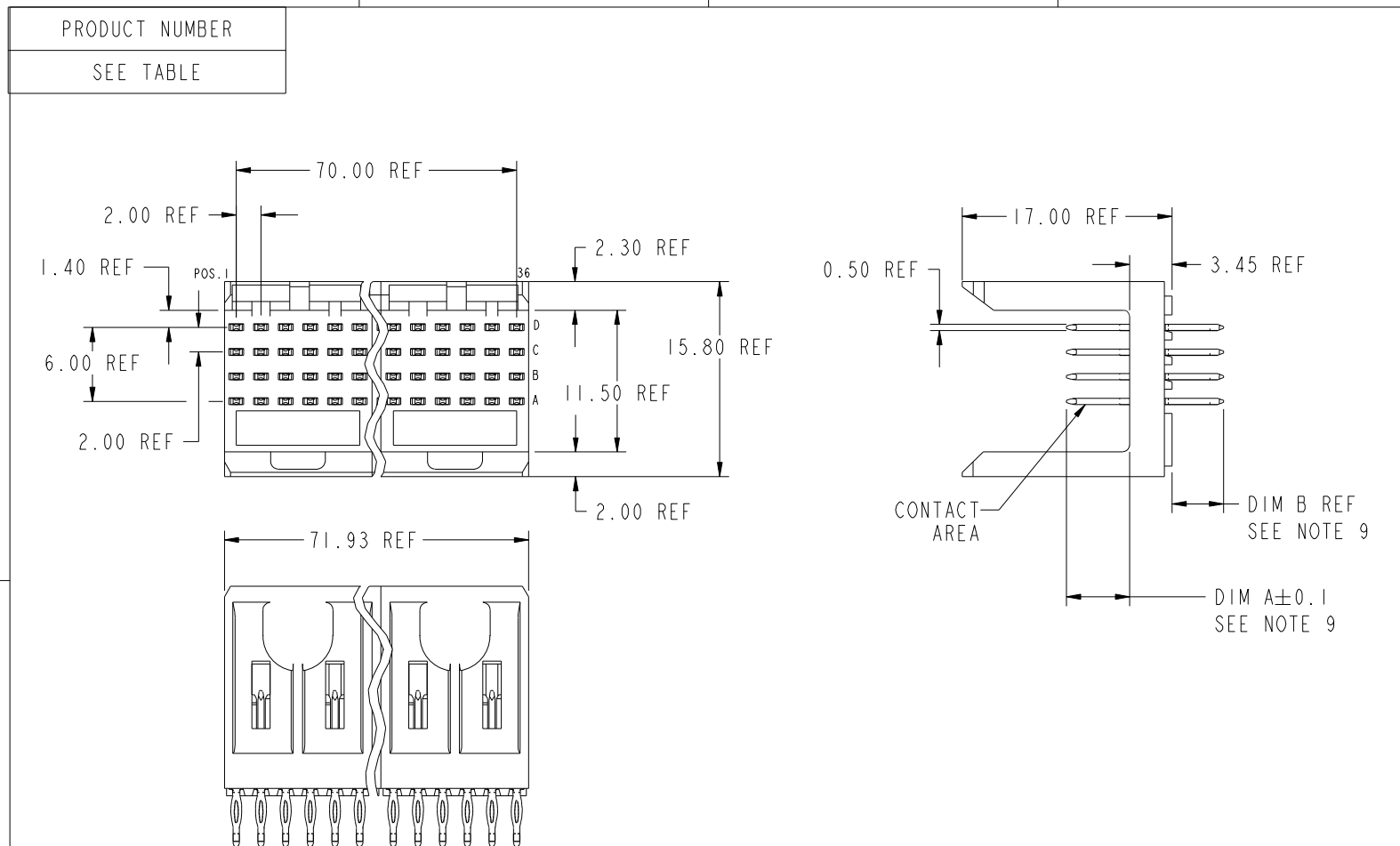


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REV E - 2006-04-18

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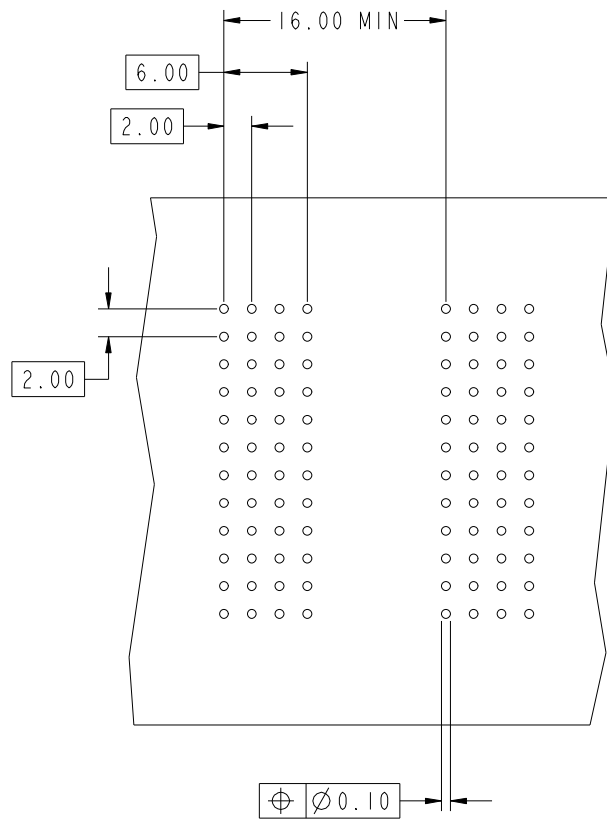
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mat'l code				SEE NOTES			tolerances unless otherwise specified			CUSTOMER		FCI	
litr	ecn no.	dr	date				0.X ±0.3			COPY		www.fciconnect.com	
P	V06-0498	DCH	2006-06-02	linear			0.XX ±0.13			projection			
R	DG08-0228	Cenh	08/21/08				.XXX ±.051						
-	-	-	-	angles			0° ±2°						
K	V03-0318	TAB	03/18/03	dr	T.BRUNGARD	11/19/99				MIM		product family	METRAL
L	V03-1319	DAI	12/17/03	enrg	M.STRAWSER	11/19/99						size	dwg no
M	V04-0617	TAB	07/07/04	chr	M.STRAWSER	11/19/99				scale			70453
N	V05-0362	VS	05/04/05	appd	M.STRAWSER	02/29/00							213
sheet	revision	R	R	R	R	R							sheet
index	sheet	1	2	3	4	5							1 of 5
Pro/E											cage code	22526	4



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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				www.fciconnect.com			
ltr	ecr 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°										
				dr	T.BRUNGARD	11/19/99			product family			METRAL		code	
				enrg	M.STRAWER	11/19/99			size			dwg no		213	
				chr	M.STRAWER	11/19/99			scale			70453		sheet	
				appd	M.STRAWER	02/29/00	1:1		A					2	
sheet index		revision sheet													

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cage code 22526

PDM: Rev:R

STATUS: Released

Printed: May 16, 2009



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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-NIYYYLF	LEAD FREE	TIN	TELCORDIA CO (NXT), IEC CLASS I, SEE NOTES 10 AND 11
70453-N5YYYLF	LEAD FREE	TIN	TECORDIA UE (NXT) SEE NOTES 10 AND 11
70453-1YYYLF	LEAD FREE	TIN	TELCORDIA CO, IEC CLASS I, SEE NOTES 10 AND 11
70453-2YYYLF	LEAD FREE	TIN	TELECOM CLASS, SEE NOTES 10 AND 11
70453-5YYYLF	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 	title METRAL SIGNAL HEADER 6 MOD, 4 ROW PRESS-FIT					
R					0. XX ±0.13								
					.XXX ±.051								
				angles	0° ±2°		 MM	product family		METRAL		code	
				dr	T. BRUNGARD 11/19/99			size	dwg no	70453		213 sheet 3	
				enrg	M. STRAWSER 11/19/99								
				chr	M. STRAWSER 11/19/99								
				appd	M. STRAWSER 02/29/00		scale	A					
							1 : 1						
sheet index		revision sheet											

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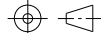
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70453-X300 AND 70453-X300LF	D	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1
	C	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1
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METRAL P/N	ROW	CONTACT CODE MOD. 1					MOD. 2					MOD. 3					MOD. 4					MOD. 5					MOD. 6										
		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
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	
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	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	-	-	-	-	-	-	-	19	19
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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-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
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mat'l code				- -		tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com																							
litr	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°																													
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				appd		M.STRAWSE 02/29/00				1:1		A		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									
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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
	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	
	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	
	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	

mat'l code				- -		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com					
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R						0.XX ±0.13		projection							
						.XXX ±.051									
				angles		0° ±2°		 MM ←→ scale 1:1		product family		METRAL		code	
				dr		T.BRUNGARD 11/19/99				size		dwg no		213	
				enrg		M.STRAWSER 11/19/99				A		70453		sheet 5	
				chr		M.STRAWSER 11/19/99									
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sheet index		revision sheet													

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