

PRODUCT NUMBER

SEE TABLE

A

Technical drawing of a component with the following dimensions:

- Width: 94.00 REF
- Height: 15.80 REF
- Bottom gap: 2.00 REF
- Left gap: 2.00 REF
- Top gap: 1.40 REF
- Left side gap: 6.00 REF
- Right side gap: 2.30 REF
- Bottom width: 11.50 REF
- Bottom height: 2.00 REF
- Left height: 2.00 REF
- Right height: 48

POS. 1 is indicated on the left side.

Technical drawing showing a component with the following dimensions and features:

- Width: 17.00 MIN (indicated by a horizontal dimension line with arrows at the top)
- Height: 3.45 REF (indicated by a vertical dimension line on the right)
- Left side height: 0.50 REF (indicated by a vertical dimension line on the left)
- Bottom width: DIM B REF SEE NOTE 8 (indicated by a horizontal dimension line with arrows at the bottom right)
- Bottom left width: DIM A ±0.1 SEE NOTE 8 (indicated by a horizontal dimension line with arrows at the bottom left)
- Bottom left corner: CONTACT AREA (indicated by a leader line)

B

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D

spec ref	*		dr	Terran Huang		2010/07/08			size	A4	scale				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Terran Huang		2011/06/24			5:1						
			chr	-		-			ecn no	ELX-DG-004179-1					
			appr	Pei-Ming Zheng		2011/06/24			rel level	Released					
		linear	0.X	±0.3		METRAL SIGNAL HEADER				dwg no	88924				
			0.XX	±0.13		8 MOD, 4 ROW PRESS-FIT									
			0.XXX	±0.051											
		angular	0°	±2°	www.fci.com	cat. no.	*	Product - Customer Drw		sheet 1 of 13	rev A				

Pro/E File : REV C : 2009-06-09

PDS: Rev. AT

STATUS: Released ⁴

Printed: Jun 24 2011

A

A

B

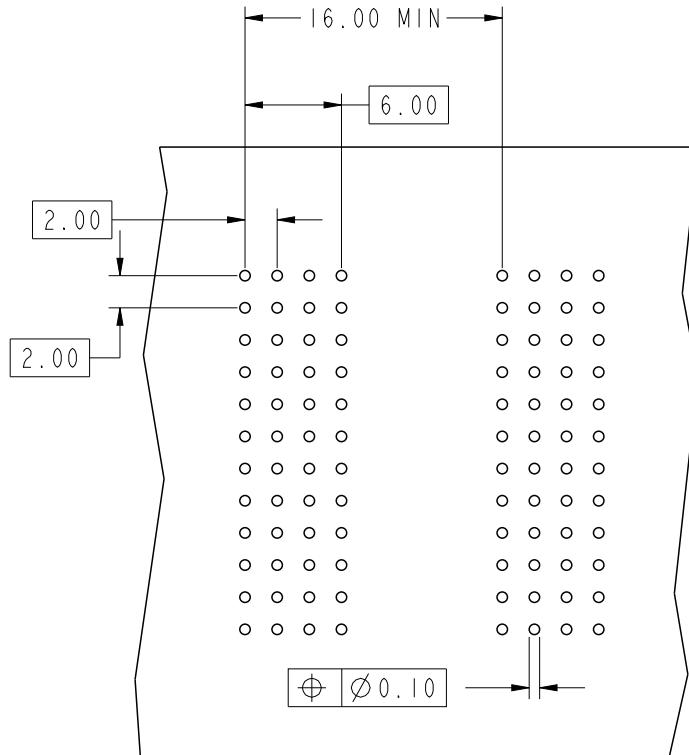
B

C

C

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D



KEY		
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
5	5.00	13.60
6	5.75	13.60
7	6.50	13.60
13	8.25	4.30
14	8.25	13.60
19	8.00	4.30
20	8.00	13.60
22	5.00	12.10
23	8.00	17.70
25	5.75	15.60
40	5.00	15.60

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

spec ref	* TOLERANCES UNLESS OTHERWISE SPECIFIED		dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale
tolerance std			eng	Terran Huang	2011/06/24			ecn no	ELX-DG-004179-1	
			chr	-	-			rel level	Released	
	surface	linear	appr	Pei-Ming Zheng	2011/06/24	product family	METRAL	rev		
	✓	0.X	0.X	±0.3						
		0.XX	0.XX	±0.13						
		0.XXX	0.XXX	±0.051						
	angular	0°	0°	±2°	www.fci.com	cat. no.	*	Product - Customer Drw	sheet 2 of 13	rev AT

	PRODUCT NUMBER	DESCRIPTION	PLATING IN PRESS FIT TAIL AREA	PERFOMANCE LEVEL OF PLATING IN CONTACT AREA	
A	88924-NIYY	STANDARD	TIN LEAD	TELCORDIA CO (NXT)	
	88924-N5YY	STANDARD	TIN LEAD	TELCORDIA UE (NXT)	
	88924-IYY	STANDARD	TIN LEAD	TELCORDIA CO	
	88924-2YY	STANDARD	TIN LEAD	TELECOM CLASS	
	88924-3YY	STANDARD	TIN LEAD	IEC CLASS I	
	88924-5YY	STANDARD	TIN LEAD	TELCORDIA UE	
	88924-NIYYLF	LEAD FREE	TIN	TELCORDIA CO (NXT), IEC CLASS I, SEE NOTES 9 AND 10	
	88924-N5YYLF	LEAD FREE	TIN	TELCORDIA UE (NXT) SEE NOTES 9 AND 10	
	88924-IYYLF	LEAD FREE	TIN	TELCORDIA CO , IEC CLASS I, SEE NOTES 9 AND 10	
	88924-2YYLF	LEAD FREE	TIN	TELECOM CLASS, SEE NOTES 9 AND 10	
	88924-5YYLF	LEAD FREE	TIN	TELCORDIA UE , SEE NOTES 9 AND 10	
B					
C					
D					

NOTES:

1. FOR DIM A, AND B SEE SHEET 2 AND UP.
2. BODY MATERIAL: LIQUID CRYSTAL POLYMER 30 % GLASS. FLAME RETARDANT ACC. UL 94-V0.
3. PIN MATERIAL: PHOSPHOR BRONZE.
4. PLATING ON PRESS-FIT AREA: SEE PRODUCT NUMBER TABLE. PLATING ON CONTACT AREA CONFORMS TO PERFORMANCE LEVEL SHOWN IN TABLE ON SHEETS 3.
5. PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
6. ALL PRODUCTS WITH PART NUMBERS SHOWN IN SUBSEQUENT TABLES WILL BE PACKAGED IN TUBES. IF TRAY PACKAGING IS REQUIRED, A SUFFIX "P" WILL BE ADDED TO THE END OF THE PART NUMBER. EXAMPLE: XXXXX-XXXP OR XXXXX-XXXPLF
7. PRODUCT SPECIFICATION: GS-12-180
APPLICATION SPECIFICATION: BUS-20-073

- ⑧ AFTER INSERTION INTO BOARD WITH QUALIFIED TOOLING.
- ⑨ THE PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-12-008.
- ⑩ ALL THE PRODUCTS EXCEPT THOSE WITH PART NUMBERS CONTAINING 88924-NI---OR 88924-N5---WILL WITHSTAND EXPOSURE TO 260 DEGREES C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN. PART NUMBERS 88924-NI---AND 88924-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.

spec ref	* TOLERANCES UNLESS OTHERWISE SPECIFIED		dr	Terran Huang	2010/07/08	projection	size	scale
tolerance std			eng	Terran Huang	2011/06/24		A4	1:1
			chr	-	-		ecn no	ELX-DG-004179-1
			appr	Pei-Ming Zheng	2011/06/24	product family	METRAL	rel level
surface	✓	linear	0.X	±0.3	F C I J L S T U W X Y Z	METRAL SIGNAL HEADER 8 MOD, 4 ROW PRESS-FIT	88924	AT
			0.XX	±0.13				
			0.XXX	±0.05				
		angular	0°	±2°				



METRAL P/N		CONTACT CODE MOD. 1										MOD. 2			MOD. 3			MOD. 4			MOD. 5			MOD. 6			MOD. 7			MOD. 8																		
		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	36	37	38	39	40	41	42	43	44	45	46
A	88924-X26 AND 88924-X26LF	D	6	6	6	6	6	6	20	20	20	20	20	20	20	20	6	6	6	6	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	6	6	6	6							
		C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6					
		B	6	6	6	6	6	6	20	20	20	20	20	20	20	20	6	6	6	6	20	20	20	20	20	20	20	20	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6					
		A	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6					
B	88924-X27 AND 88924-X27LF	D	13	13	13	13	13	13	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	13	13	13	13	13	13	13	
		C	19	19	19	19	19	19	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	19	19	19	19	19	19	19		
		B	19	19	19	19	19	19	19	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	19	19	19	19	19	19	19	
		A	13	13	13	13	13	13	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	13	13	13	13	13	13	13	
C	88924-X28 AND 88924-X28LF	D	14	14	14	14	14	14	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	14	14	14	14	14	14	14		
		C	20	20	20	20	20	20	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	20	20	20	20	20	20	20		
		B	20	20	20	20	20	20	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	20	20	20	20	20	20	20		
		A	14	14	14	14	14	14	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	14	14	14	14	14	14	14		
D	88924-X29 AND 88924-X29LF	D	13	13	13	13	13	13	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	13	13	13	13	13	13	13		
		C	13	19	13	19	13	19	2	13	2	13	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	19	19	19	19	19	19	19			
		B	19	19	19	19	19	19	19	19	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	19	19	19	19	19	19	19			
		A	13	13	13	13	13	13	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	13	13	13	13	13	13	13		
D	88924-X30 AND 88924-X30LF	D	14	14	14	14	14	14	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	14	14	14	14	14	14	14			
		C	14	20	14	20	14	20	6	14	6	14	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	20	20	20	20	20	20	20			
		B	20	20	20	20	20	20	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	20	20	20	20	20	20	20	
		A	14	14	14	14	14	14	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	14	14	14	14	14	14	14			

spec ref	*	dr	Terran Huang	2010/07/08	projection	mm	size	A4	scale	1 : 1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terran Huang	2011/06/24	chr	-	ecn no	ELX-DG-004179-1		
surface	linear	appr	Pei-Ming Zheng	2011/06/24	product family	METRAL	rel level	Released		
	0.X	0.XX	0.XXX	±0.3	±0.13	±0.051	dwg	88924		
	angular	0°	0°	±2°	www.fci.com	cat. no.	*	Product - Customer Drw	sheet 9 of 13	rev AT

A

A

B

B

1

C

C

spec ref	*		dr	Terran Huang		2010/07/08			size	A4	scale					
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Terran Huang		2011/06/24			ecn no	ELX-DG-004179-1						
			chr	-		-										
			appr	Pei-Ming Zheng		2011/06/24			rel level	Released						
surface	linear	0.X	±0.3		METRAL SIGNAL HEADER					88924		rev				
		0.XX	±0.13		8 MOD, 4 ROW PRESS-FIT											
		0.XXX	±.051													
		angular	0°													
	angular	0°	±2°	www.fci.com	cat. no.	*	Product - Customer Drw		sheet 13 of 13			AT				