



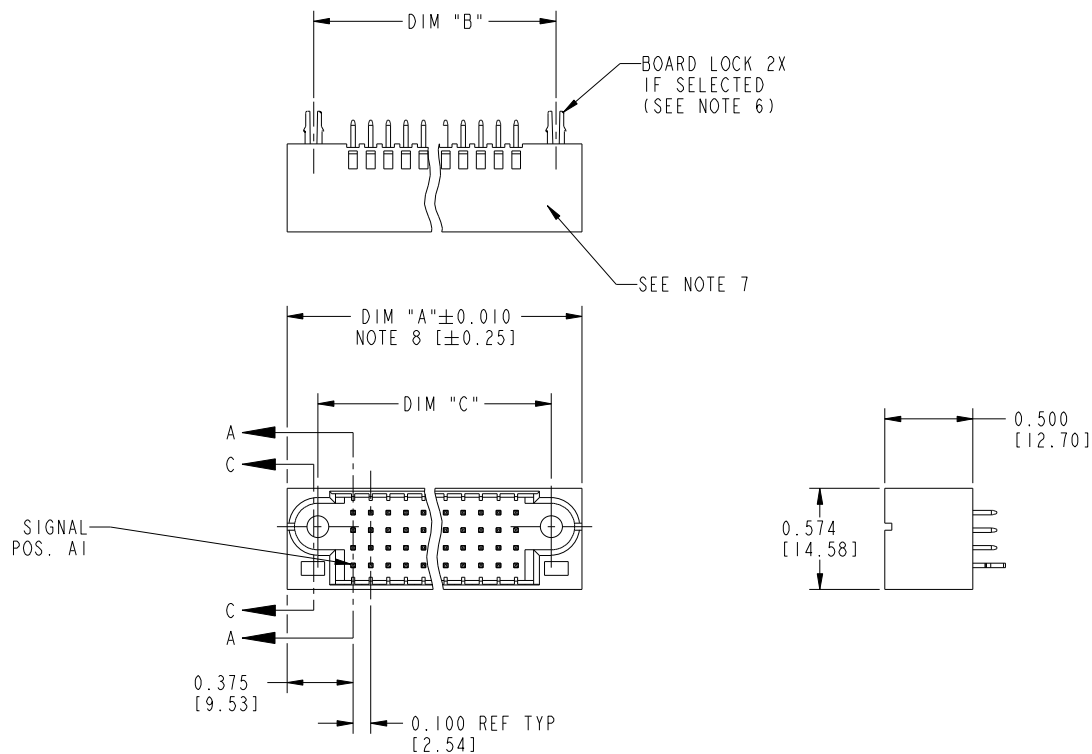
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PRODUCT NUMBER
51965-A00CCC00EF-- NOTE 1



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Pro/E

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cage code 22526

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mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date					COPY					
A	V04-0387	TAB	04/16/04	linear		.XX±.01/0.X±0.3		projection		title	VERTICAL HEADER w/ GUIDE PIN SIGNAL		
B	DG05-0563	RYAN	12/30/05			.XXX±.005/0.XX±0.13							
C	DG10-0262	Anson	07/15/10	angles		.XXX±.0020/.XXX±.051							
						0°±2°							
				dr	T. BRUNGARD	04/16/04				product family	PWRBLADE	code	213
				enr	M. GRAY	04/16/04				size	dwg no	sheet	1 of 3
				chr	M. GRAY	04/16/04					51965		
				appd	M. GRAY	04/16/04							
sheet index	revision sheet	C	C	C									
		1	2	3									

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PRODUCT NUMBER		DIM		LENGTH FORMULAS (SEE NOTE 8)	
51965-A00CCC00EF-- NOTE 1		DIM "A"		.100 [2.54] x (CCC/4) + .650 [16.51] (NOTE 8)	
		DIM "B"		.100 [2.54] x (CCC/4) + .350 [8.89]	
		DIM "C"		.100 [2.54] x (CCC/4) + .300 [7.62]	
		DIM "D"		.100 [2.54] x (CCC/4) + .680 [17.27]	

CONNECTOR NOTES		PCB NOTES:	
1. PRODUCT NUMBER CODE: 51965 - A 00 CCC 00 E F LF		7 MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.	
NO THIS SUFFIX:100U"/2.54um SnPb ON PCB INTERFACE ADD THIS SUFFIX:78u"/2.00um Sn ON PCB INTERFACE		8 THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2].	
RETENTION TO PCB (NOTE 6)		9 PRODUCT SPECIFICATION GS-12-149.	
TAIL OPTIONS (NOTE 5)		10. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH) ASME Y14.5m, 1994 UNLESS OTHERWISE SPECIFIED.	
ALWAYS "00"		PCB NOTES:	
NUMBER OF SIGNAL CONTACTS (NOTE 4)		11. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.	
ALWAYS "00"		12. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10]	
PLATING (NOTE 3)		13. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE	
BASE NUMBER		14. Ø0.098 [2.49] THROUGH HOLES ARE UNPLATED.	
2. HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH TEMP THERMOPLASTIC SIGNAL CONTACT MATERIAL: COPPER ALLOY		15. Ø0.0453±0.0010 [1.151±0.025] DRILLED HOLES PLATED WITH 0.0003 [0.008] MIN SnPb OVER 0.001 [0.03] TO 0.003 [0.08] Cu PLATING TO ACHIEVE A Ø0.040±0.003 [1.02±0.07] HOLE.	
3. PLATING: 1=SEE PRINT 10064183 FOR PLATING SPEC OF 51965-100CCC00EF AND 51965-100CCC00EFLF RESPECTIVELY		16. FOR PRESSFIT APPLICATION USE FCI CAM TOOL 430169-XXX.	
4 SIGNAL CONTACT, 004 TO 148 AVAILABLE.			
5 TAIL OPTIONS: A = 0.135 +0.015/-0.010 [3.43 +0.38/-0.25] SOLDER TO BOARD B = 0.165 +0.015/-0.010 [4.19 +0.38/-0.25] SOLDER TO BOARD C = 0.165 +0.015/-0.010 [4.19 +0.38/-0.25] PRESS FIT			
6 RETENTION TO PCB OPTIONS: A = BOARD LOCK (REQUIRES 0.098 +0.002/-0.001 [2.49 +0.05/-0.03] THUR HOLE IN PCB). RECOMMENDED ON SYMMETRIC CONNECTORS. BOARD LOCK TO BE USED IN CONJUNCTION WITH A .092 PCB OR THICKER. C = NO RETENTION FEATURE.			

NOTE 2				tolerances unless otherwise specified		CUSTOMER		FCI	
litr	ecr no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
C				linear	.XXX±.005/0.XX±0.13	projection		title	
				angles	.XXX±.0020/.XX±.051			VERTICAL HEADER w/ GUIDE PIN SIGNAL	
				dr	0°±2°	INCH/MM		product family	
				enrg	T. BRUNGARD 04/16/04	scale		PWRBLADE	
				chr	M. GRAY 04/16/04	1:1		code	
				appd	M. GRAY 04/16/04			213	
sheet index	revision sheet							sheet	
								2 OF 3	

Pro/E		3		4	
		cage code 22526			

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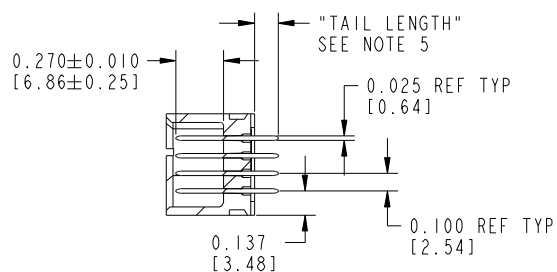
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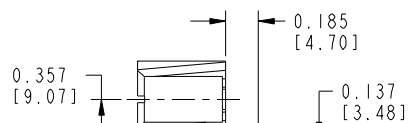


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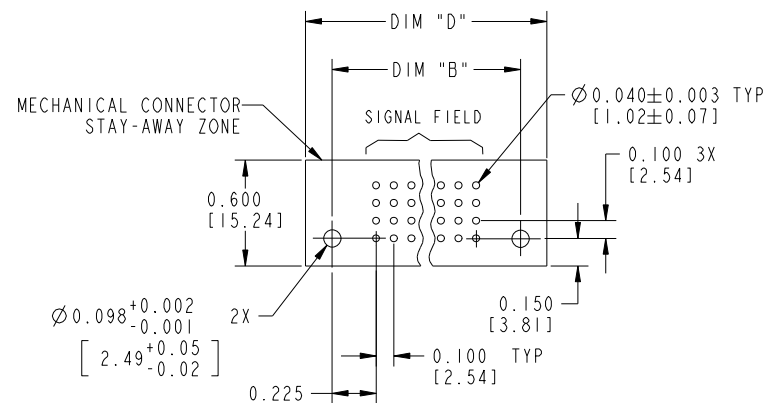
PRODUCT NUMBER
51965-A00CCC00EF-- NOTE 1



SECTION A-A



SECTION C-C



RECOMMENDED PCB LAYOUT

mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
litr	ecn no.	dr	date			.XX±.01/0.X±0.3		COPY		projection			title
C						.XXX±.005/0.XX±0.13				INCH/MM			VERTICAL HEADER w/ GUIDE PIN SIGNAL
						.XXX±.0020/.XXX±.051				scale			product family
						0°±2°				1:1			PWRBLADE
						dr T. BRUNGARD 04/16/04				size			code
						enr M. GRAY 04/16/04				dwg no			213
						chr M. GRAY 04/16/04				A			sheet
						appd M. GRAY 04/16/04				51965			3 OF 3
sheet index	revision sheet												

Pro/E

cage code 22526