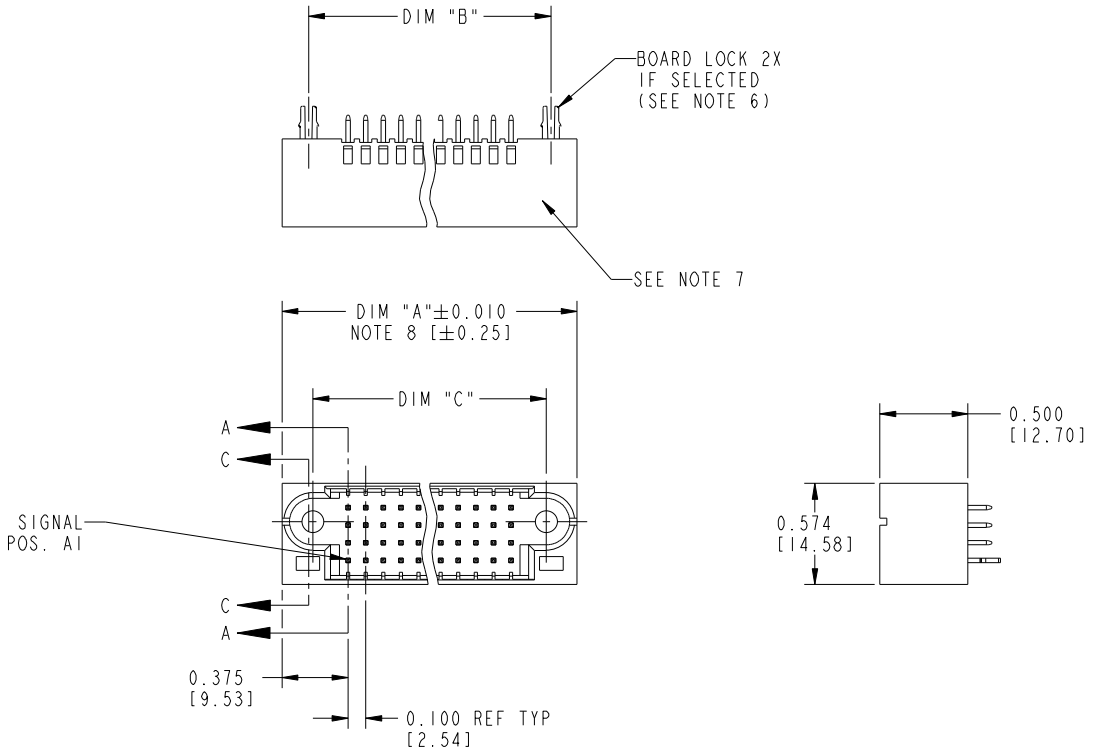
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PRODUCT NUMBER
51965-A00CCC00EF__ NOTE 1



mat'l code	NOTE 2	tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr / ecn no. / dr / date			.XX±.01/0.X±0.3	COPY	
A / V04-0387 / TAB / 04/16/04		linear	.XXX±.005/0.XX±0.13	projection	title: VERTICAL HEADER w/ GUIDE PIN SIGNAL
B / DG05-0563 / RYAN / 12/30/05			.XXXX±.0020/.XXX±.051		
C / DG10-0262 / Anson / 07/15/10		angles	0°±2°		
		dr	T. BRUNGARD 04/16/04	INCH/MM	product family: PWRBLADE; code: 213
		engr	M. GRAY 04/16/04		
		chr	M. GRAY 04/16/04	scale 1:1	size: A; dwg no: 51965; sheet: 1 of 3
		appd	M. GRAY 04/16/04		
sheet index: revision	C C	C			
sheet	1 2	3			cage code: 22526

Pro/E

PDM: Rev:C STATUS:Released Printed: Dec 20, 2010

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PRODUCT NUMBER
51965-A00CCC00EF__ NOTE 1

DIM	LENGTH FORMULAS (SEE NOTE 8)
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

1. PRODUCT NUMBER CODE:
   51965 - A 00 CCC 00 E F LF (C)
   - NO THIS SUFFIX:100U"/2.54um SnPb ON PCB INTERFACE
   - ADD THIS SUFFIX:78u"/2.00um Sn ON PCB INTERFACE
   - RETENTION TO PCB (NOTE 6)
   - TAIL OPTIONS (NOTE 5)
   - ALWAYS "00"
   - NUMBER OF SIGNAL CONTACTS (NOTE 4)
   - ALWAYS "00"
   - PLATING (NOTE 3)
   - BASE NUMBER

2. HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH TEMP THERMOPLASTIC
   SIGNAL CONTACT MATERIAL: COPPER ALLOY

3. PLATING: (C)
   I=SEE PRINT 10064183 FOR PLATING SPEC OF 51965-100CCC00EF AND 51965-100CCC00EFLF RESPECTIVELY

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.

7 MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.

8 THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2].

9 PRODUCT SPECIFICATION GS-12-149.

10. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5m, 1994 UNLESS OTHERWISE SPECIFIED.

PCB NOTES:

11. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.

12. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10]

13. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE

14. Ø0.098 [2.49] THROUGH HOLES ARE UNPLATED.

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.

16. FOR PRESSFIT APPLICATION USE FCI CAM TOOL 430169-XXX.

ltr	ecn no.	dr	date
C			

mat'l code	NOTE 2
tolerances unless otherwise specified	.XX±.01/0.X±0.3
linear	.XXX±.005/0.XX±0.13
	.XXXX±.0020/.XXX±.051
angles	0°±2°
dr	T. BRUNGARD 04/16/04
engr	M. GRAY 04/16/04
chr	M. GRAY 04/16/04
appd	M. GRAY 04/16/04
CUSTOMER	COPY
projection	
	INCH/MM
scale	1:1
www.fciconnect.com	
title	VERTICAL HEADER w/ GUIDE PIN SIGNAL
product family	PWRBLADE
code	213
size	A
dwg no	51965
sheet	2 OF 3
cage code	22526

sheet index	revision
	sheet

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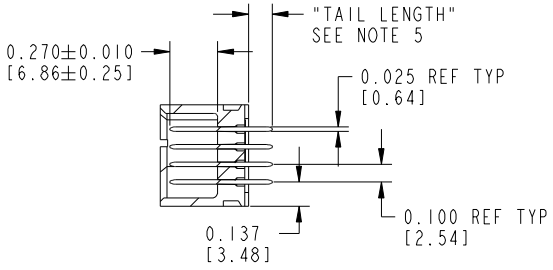
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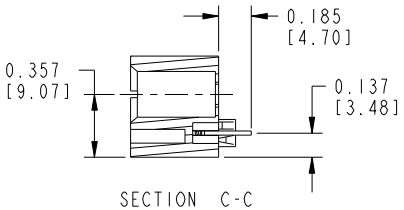
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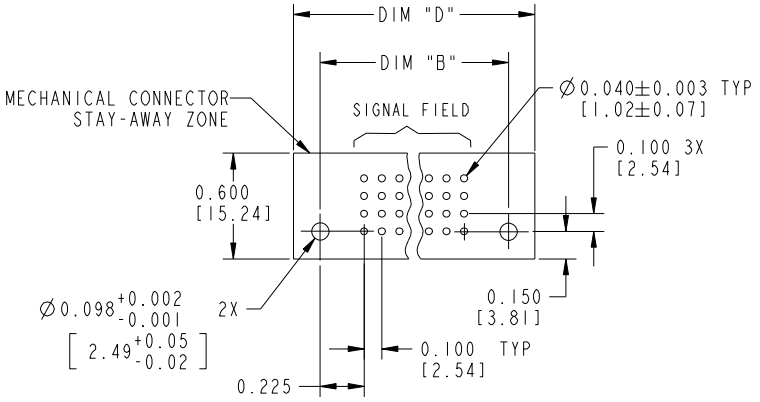
PRODUCT NUMBER
51965-A00CCC00EF__ NOTE 1



SECTION A-A



SECTION C-C



RECOMMENDED PCB LAYOUT

mat'l code	NOTE 2	tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr / ecn no. / dr / date		linear	.XX±.01/0.X±0.3	COPY	
C			.XXX±.005/0.XX±0.13	projection	title: VERTICAL HEADER w/ GUIDE PIN SIGNAL
			.XXXX±.0020/.XXX±.051		
		angles	0°±2°		
		dr	T. BRUNGARD 04/16/04	INCH/MM	product family: PWRBLADE; code: 213
		engr	M. GRAY 04/16/04		size: A; dwg no: 51965
		chr	M. GRAY 04/16/04	scale 1:1	sheet: 3 OF 3
		appd	M. GRAY 04/16/04		
sheet index / revision / sheet					cage code: 22526

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