



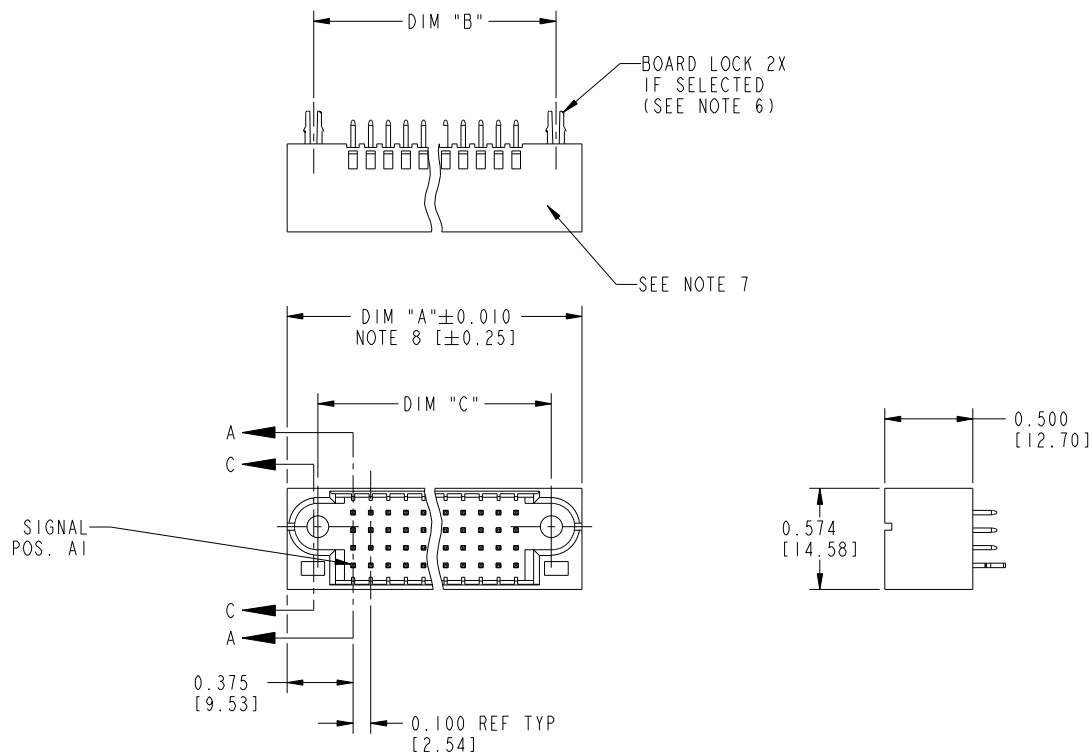
All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.

Tous droits strictement réservés. Reproduction ou communication à des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire. Propriété de c FCI. Droits de reproduction FCI.

B

A

PRODUCT NUMBER
51965-A00CCC00EF-- NOTE 1



1 | 2

Pro/E

3 |

cage code 22526

4

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

B

Tous droits strictement réservés. Reproduction ou communication à des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire.
Propriété de c FCI. Droits de reproduction FCI.



All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor.
Property of FCI. Copyright FCI.

A

B

1 | 2

3 |

4

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	projection	COPY		www.fciconnect.com	
C				.XXX±.005/0.XX±0.13				title VERTICAL HEADER w/ GUIDE PIN SIGNAL	
				.XXX±.0020/.XX±.051				product family PWRBLADE code 213	
				0°±2°				size dwg no 51965 sheet 2 OF 3	
				dr T. BRUNGARD 04/16/04	INCH/MM				
				enr M. GRAY 04/16/04	scale 1:1				
				chr M. GRAY 04/16/04					
				appd M. GRAY 04/16/04					
sheet index		revision sheet							

Pro/E		3		cage code		4	
				22526			

A

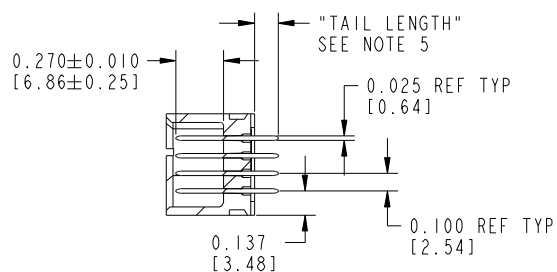
B

Tous droits strictement réservés. Reproduction ou communication à des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire. Propriété de c FCI. Droits de reproduction FCI.

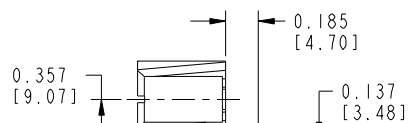


All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.

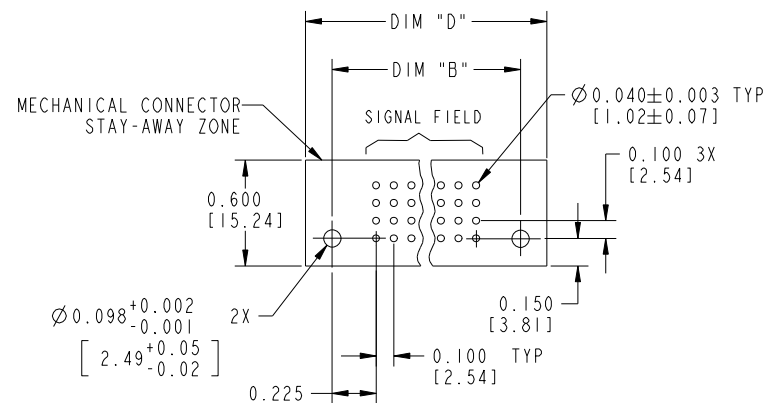
PRODUCT NUMBER
51965-A00CCC00EF-- NOTE 1



SECTION A-A



SECTION C-C



RECOMMENDED PCB LAYOUT

mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
litr	ecr 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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI / Amphenol:

<u>51965-10010000CCLF</u>	<u>51967-10010000CCLF</u>	<u>51965-10002000AALF</u>	<u>51967-10014800AALF</u>	<u>51967-10004000AALF</u>
<u>51965-10003200AALF</u>	<u>51965-10002800AALF</u>	<u>51967-10003200AALF</u>	<u>51967-10002800AALF</u>	<u>51965-10002400ACLF</u>
<u>51967-10012000AALF</u>	<u>51967-10005200AALF</u>	<u>51967-10005600CCLF</u>	<u>51967-10010800CCLF</u>	<u>51967-10001600CCLF</u>
<u>51967-10002400CCLF</u>	<u>51965-10003200CCLF</u>	<u>51967-10000800AALF</u>	<u>51967-10001600AALF</u>	<u>51965-10000800AALF</u>
<u>51965-10002400CCLF</u>	<u>51967-10002000CCLF</u>	<u>51967-10007200AALF</u>	<u>51967-10006400AALF</u>	<u>51967-10004800AALF</u>
<u>51967-10003200CCLF</u>	<u>51967-10009600ACLF</u>	<u>51967-10001200CCLF</u>	<u>51967-10002400ACLF</u>	<u>51967-10002000AALF</u>
<u>51967-10005200CCLF</u>	<u>51967-10006000AALF</u>	<u>51967-10014400AALF</u>	<u>51967-10012800ACLF</u>	<u>51967-10008000AALF</u>
<u>51965-10002000CCLF</u>	<u>51965-10001600CALF</u>	<u>51965-10001600AALF</u>	<u>51965-10012800ACLF</u>	<u>51965-10009600CCLF</u>
<u>51965-10004800AALF</u>				