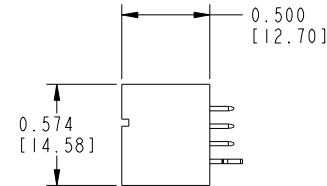
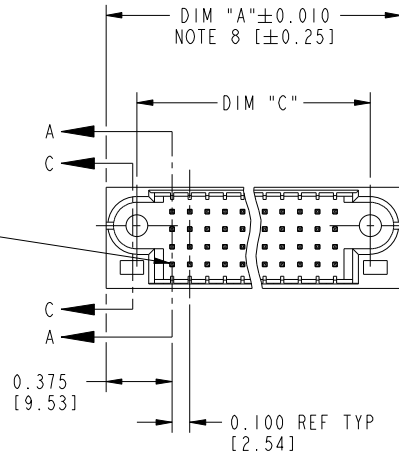
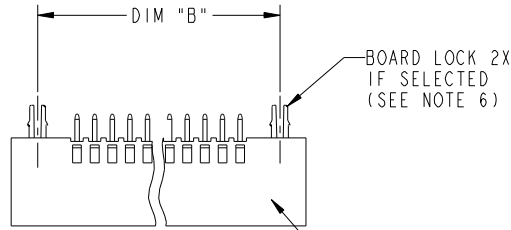


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PRODUCT NUMBER
51965-A00CCC00EF--
NOTE 1



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

cage code 22526

Pro/E

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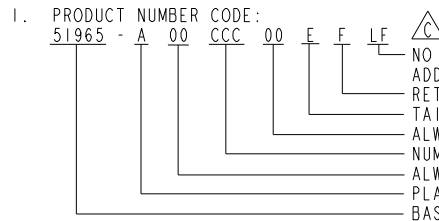


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PRODUCT NUMBER
51965-A00CCC00EF -- NOTE 1

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



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

- HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH TEMP THERMOPLASTIC
 SIGNAL CONTACT MATERIAL: COPPER ALLOY
- PLATING:
 1-SEE PRINT 10064183 FOR PLATING SPEC OF 51965-100CCC00EF AND 51965-100CCC00EFLF RESPECTIVELY
- SIGNAL CONTACT, 004 TO 148 AVAILABLE.
- 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
- 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.

- MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.
- THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2].
- PRODUCT SPECIFICATION GS-12-149.
- 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.

mal'ti code		NOTE 2	tolerances unless otherwise specified		CUSTOMER		
ltr	ecn no.	dr	date	linear	COPY	www.fciconnect.com	
C				.XX±.01/0.X±0.3	projection	title	
				.XXX±.005/0.XX±0.13		VERTICAL HEADER w/ GUIDE PIN SIGNAL	
				.XXX±.0020/.XXX±.051	angles	product family	
				0°±2°	dr	PWRBLADE	code
				T. BRUNGARD 04/16/04	enr	size	213
				M. GRAY 04/16/04	chr	dwg no	sheet
				M. GRAY 04/16/04	appd	51965	2 OF 3
				M. GRAY 04/16/04	scale	cage code	
sheet index	revision sheet				1:1	22526	4

1 | 2

3 |

4

Pro/E

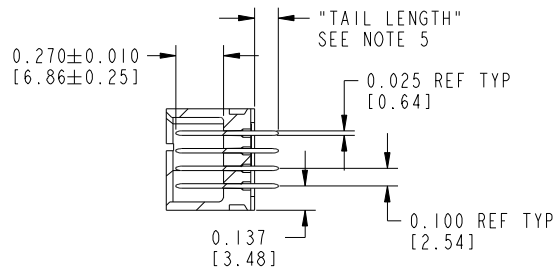
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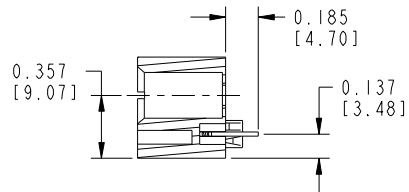


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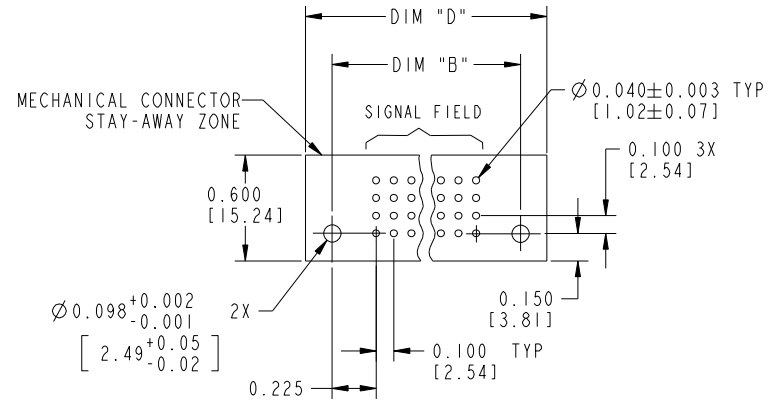
PRODUCT NUMBER
51965-A00CCC00EF--
NOTE 1



SECTION A-A



SECTION C-C



RECOMMENDED PCB LAYOUT

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

cage code 22526

Pro/E