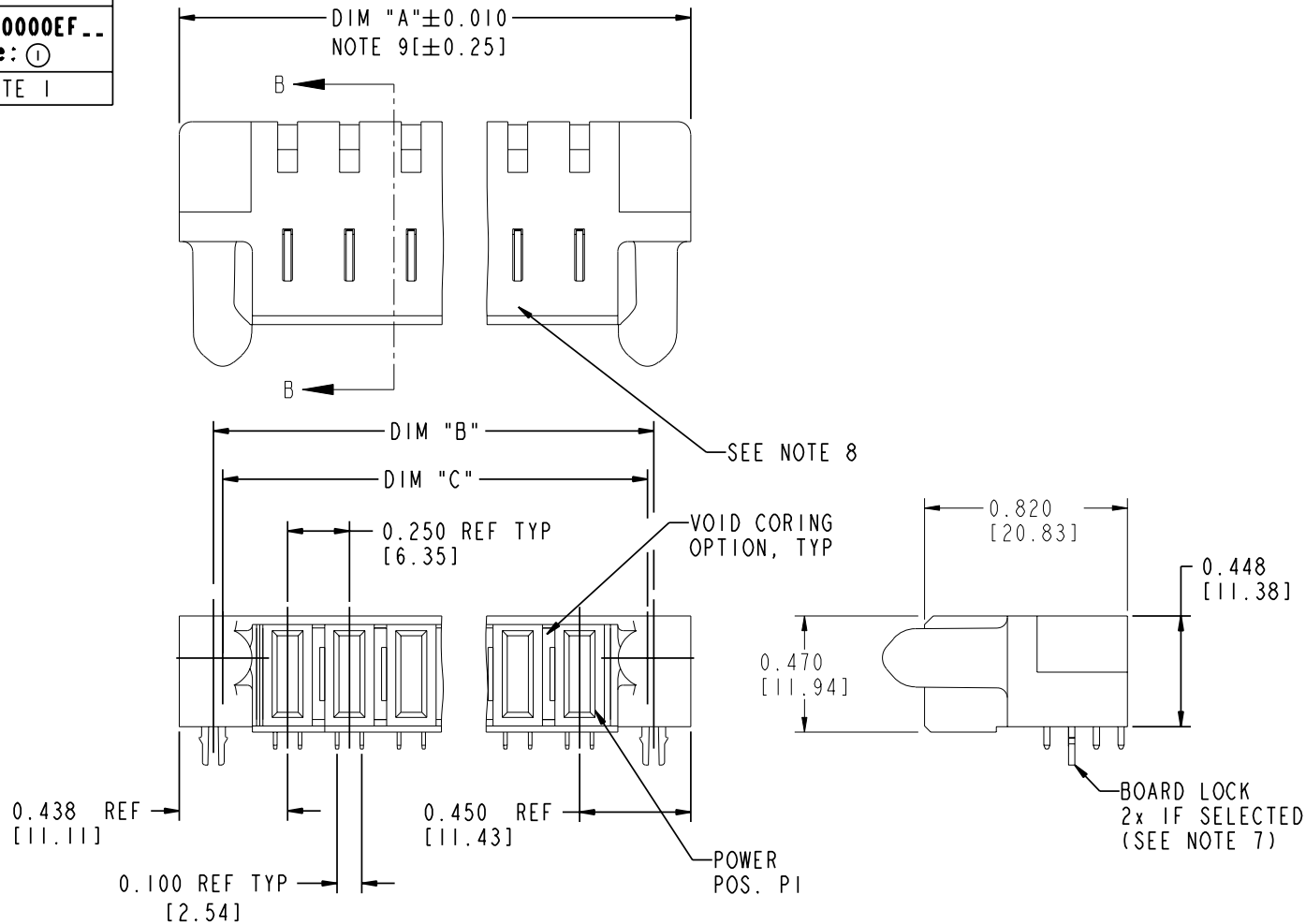


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PRODUCT NUMBER  
**51763-ABB00000EF..**  
Note: ①  
SEE NOTE 1



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		<b>FCI</b> www.fciconnect.com	
ltr	ecn no.	dr	date	linear		.XX $\pm$ .01/.XX $\pm$ .3		COPY		projection	title
A	V02389	JRW	10/5/00			.XXX $\pm$ .005/.XX $\pm$ .13					RIGHT ANGLE RECEPTACLE w/GUIDE PIN POWER
B	V21511	CGD	09/23/02			.XXX $\pm$ .0020/.XXX $\pm$ .051					
C	V03-0769	TAB	07/16/03	angles		0 $^{\circ}$ $\pm$ 2 $^{\circ}$					
D	DG05-0132	SJ	06/02/05	dr	LEV4	10/14/99		INCH/MM		product family	code
				enr	J. BROWN	10/14/99		scale		PWRBLADE	213
				chr	J. BROWN	10/14/99		3:2		size	dwg no
				appd	J. BROWN	10/14/99				51763	sheet
sheet index	revision	D	D	D							1 of 3
	sheet	1	2	3							

Pro/E

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Printed: Jun 03, 2005

PRODUCT NUMBER
51763-ABB00000EF..
Note: ①
SEE NOTE 1

1 | 2

DIM	LENGTH FORMULAS (SEE NOTE 9)
DIM "A"	.250 [6.35] x BB + .650 [16.51] (NOTE 9)
DIM "B"	.250 [6.35] x BB + .350 [8.89]
DIM "C"	.250 [6.35] x BB + .300 [7.62]
DIM "F"	.250 [6.35] x BB + .680 [17.27]

3 |

4

CONNECTOR NOTES:

- ①. PRODUCT NUMBER CODE:  
51763 - A BB 000 00 E F LF  
NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE  
ADD THIS SUFFIX: 78u"/2.00um Sn OR 5u" Au ON PCB INTERFACE  
RETENTION TO PCB (NOTE 7)  
TAIL OPTIONS (NOTE 6)  
ALWAYS "00" (ZERO, ZERO)  
ALWAYS "000" (ZERO, ZERO, ZERO) (NOTE 5)  
NUMBER OF POWER CONTACTS (NOTE 4)  
PLATING (NOTE 3)  
BASE NUMBER
- ②. HOUSING MATERIAL: GLASS FILLED V-0 HIGH TEMP THERMO PLASTIC  
POWER CONTACT MATERIAL: COPPER ALLOY
- ③. PLATING OPTION:  
1 = SIGNAL CONTACTS: 50u" / 1.27um Ni UNDER ALL; 30u" / 0.76um Au ON THE WHOLE AREA  
POWER CONTACTS: 50u" / 1.27um Ni UNDER ALL; WITH 30u" / 76um Au ON CONTACT AREA  
3 = SIGNAL CONTACTS: 50u" / 1.27um Ni UNDER ALL; 30u" / 0.76um Au ON THE WHOLE AREA  
POWER CONTACTS: 50u" / 1.27um Ni UNDER ALL; WITH 30u" / 76um Au ON CONTACT AREA  
WITH 5u"/0.13um Au ON PCB INTERFACE
- ④. POWER CONTACTS, 01 TO 20 AVAILABLE.  
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR
- ⑤. THIS PART IS NOT AVAILABLE WITH SIGNAL CONTACTS.
- ⑥. TAIL OPTIONS:  
A = .135±0.010 [3.43±0.25] SOLDER TO BOARD  
B = .090 +.005/-0.010 [2.29 +0.13/-0.25] SOLDER TO BOARD  
C = .154 ±0.010 [3.91 ±0.25] PRESS-FIT TO BOARD

- ⑦. RETENTION TO PCB OPTIONS:  
A = BOARD LOCK (REQUIRES .098+0.002/-0.001 [2.49+0.05/-0.03] THRU HOLE IN PCB).  
MOUNTING FOOT THICKNESS: .220[5.59]  
\*\*NOT AVAILABLE FOR PRESS-FIT\*\*  
B = .150 [3.81] THRU HOLE (REQUIRES .158 ± .003 [4.01±0.08] THRU HOLE IN PCB).  
MOUNTING FOOT THICKNESS: .160[4.06]  
\*\*ALWAYS AVAILABLE FOR PRESS-FIT\*\*
- ⑧. MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.
- ⑨. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2].
10. PRODUCT SPECIFICATION GS-12-149.
11. APPLICATION SPECIFICATION BUS -20-067.
12. FOR PRESS-FIT CONNECTORS USE FCI CAM TOOL 430140-XXX TO APPLY CONNECTOR TO PCB.
- PCB NOTES:
13. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
14. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10].
15. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
16. Ø0.0453±0.001 [1.151±0.02] DRILLED HOLES PLATED WITH 0.0003 [0.007] MIN SnPb OVER 0.001 [0.03] TO 0.003 [0.08] PLATING TO ACHIEVE A 0.040±0.003 [1.02±0.08] HOLE.

A

mat'l code				tolerances unless otherwise specified				CUSTOMER		A FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/.X±.3	COPY		projection		title	
D					.XXX±.005/.XX±.13					RIGHT ANGLE RECEPTACLE w/GUIDE PIN POWER	
				angles	.XXX±.0020/.XXX±.051					product family	
				dr	0°±2°			INCH/MM		PWRBLADE	
				engr	LEV4 10/14/99			size		code	
				chr	J. BROWN 10/14/99			scale		213	
				appd	J. BROWN 10/14/99			A		sheet	
sheet index	revision							3:2		2	
	sheet										
cage code 22526										4	

B

1 | 2

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3 |

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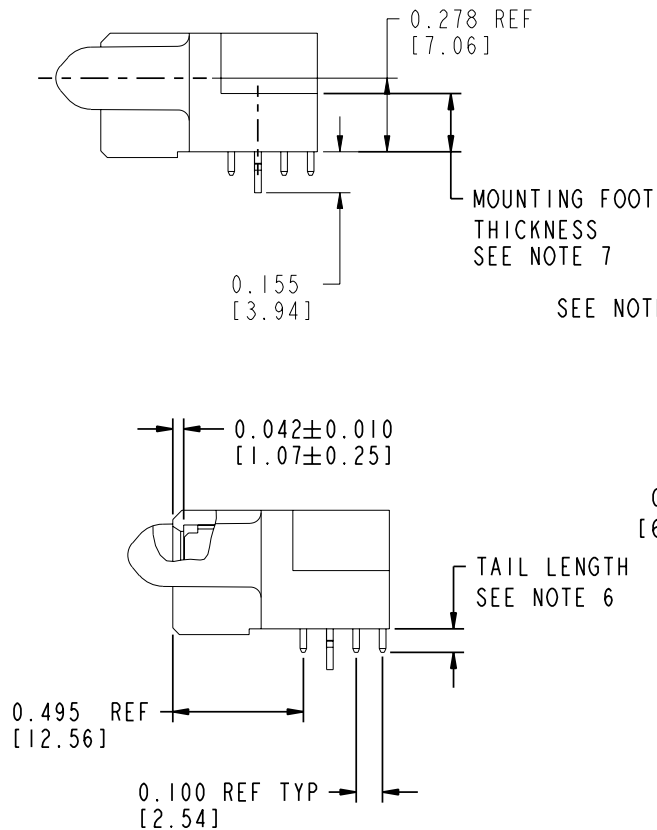
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**A**  
**FCI**

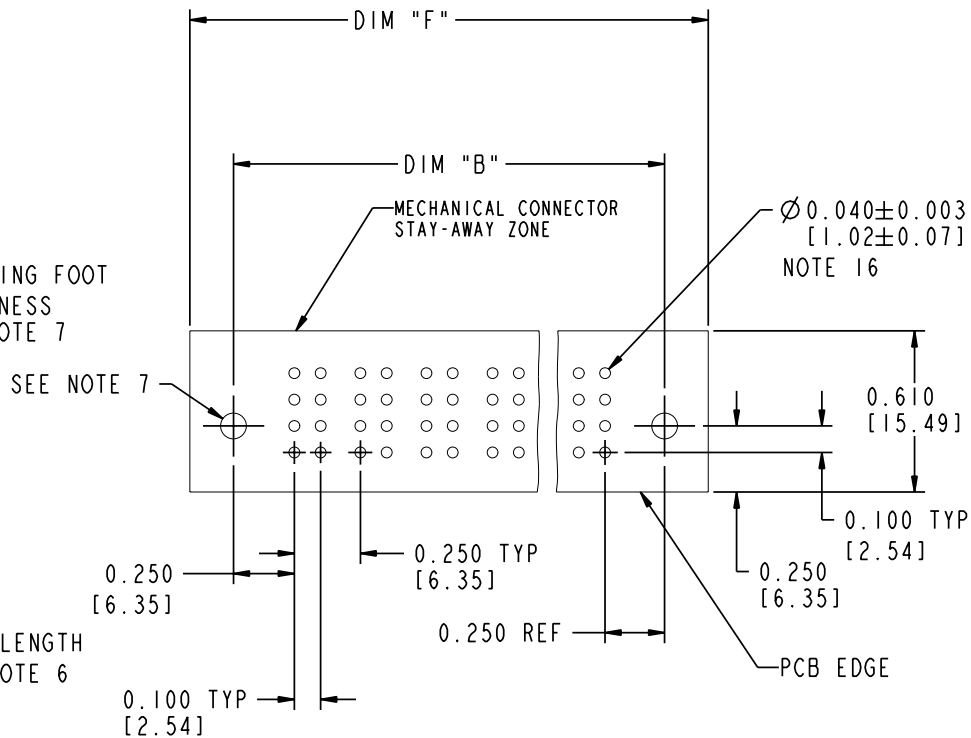
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B

PRODUCT NUMBER  
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Note: ①



SECTION B-B



RECOMMENDED PCB LAYOUT

mat'l code				tolerances unless otherwise specified		CUSTOMER		A FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/.XX±.3	COPY	projection	product family	PWRBLADE	code	
D				linear	.XXX±.005/.XX±.13			size	dwg no	213	sheet
				angles	.XXX±.0020/.XXX±.051			51763	3		
				dr	LEV4 10/14/99	INCH/MM					
				enr	J. BROWN 10/14/99	scale	3:2				
				chr	J. BROWN 10/14/99						
				appd	J. BROWN 10/14/99						
sheet index	revision	sheet									

Pro/E

3

cage code 22526

4

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