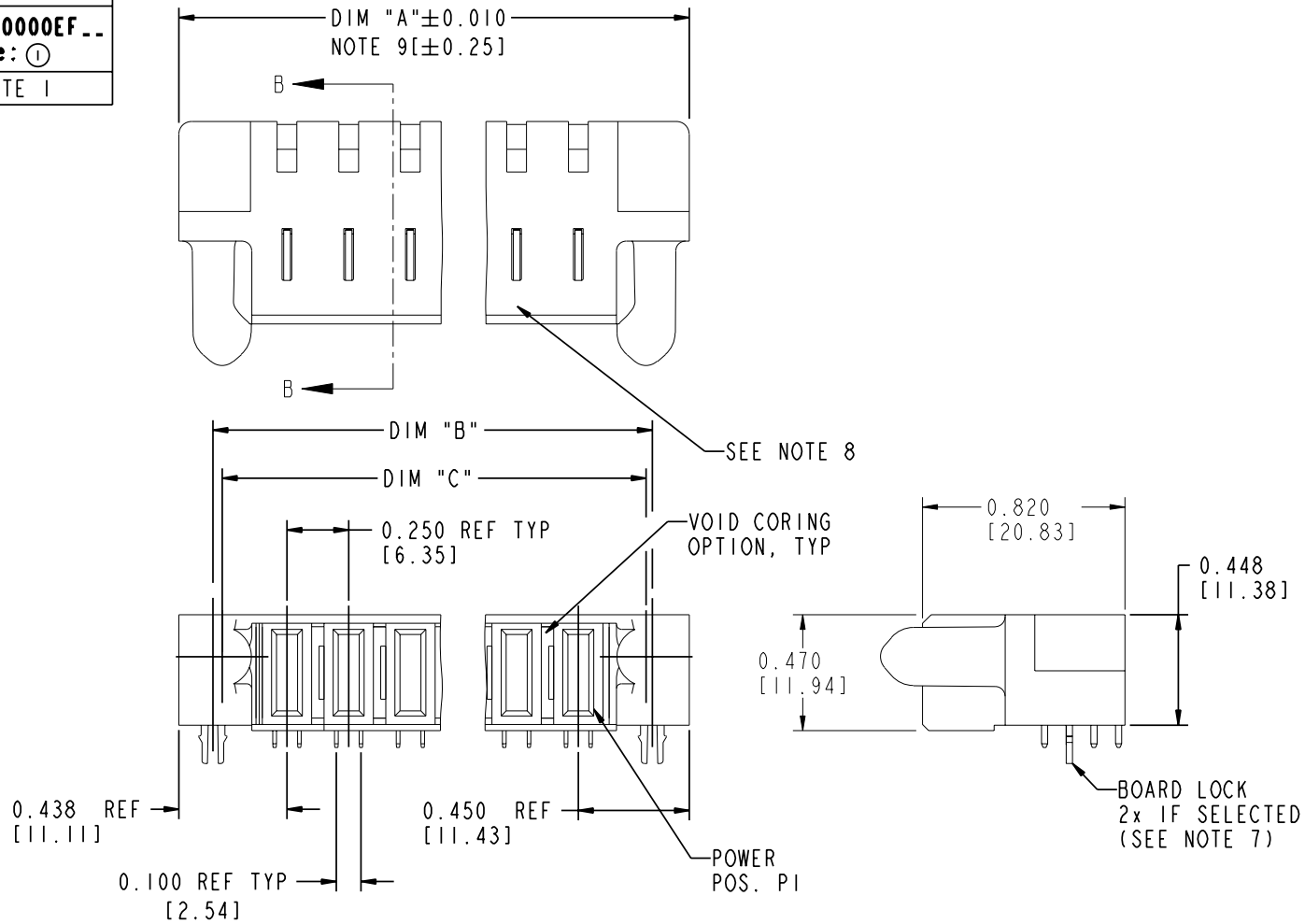


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PRODUCT NUMBER
51763-ABB00000EF..
Note: ①
SEE NOTE 1



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear		.XX±.01/.XX±.3		COPY		projection	title
A	V02389	JRW	10/5/00			.XXX±.005/.XX±.13					RIGHT ANGLE RECEPTACLE w/GUIDE PIN POWER
B	V21511	CGD	09/23/02			.XXX±.0020/.XXX±.051					
C	V03-0769	TAB	07/16/03	angles		0°±2°					
D	DG05-0132	SJ	06/02/05	dr	LEV4	10/14/99		INCH/MM		product family	code
E	DG05-0175	SJ	06/20/05	engr	J. BROWN	10/14/99		scale	3:2	PWRBLADE	213
				chr	J. BROWN	10/14/99				size	dwg no
				appd	J. BROWN	10/14/99				51763	sheet
											1 of 3
sheet index	revision	E	E	E							
	sheet	1	2	3							

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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 CONTACT AREA AND WITH 100u"/2.54um SnPb OR 78u"/2.00um Sn ON PCB INTERFACE
POWER CONTACTS: 50u" / 1.27um Ni UNDER ALL; WITH 30u" / 76um Au ON CONTACT AREA WITH 100u"/2.54um SnPb OR 78u"/2.00um Sn ON PCB INTERFACE

3 = SIGNAL CONTACTS: 50u" / 1.27um Ni UNDER ALL; 30u" / 0.76um Au ON THE CONTACT AREA AND WITH 5u"/0.13um Au ON PCB INTERFACE
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/- .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±.002/- .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.

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	
E				linear	.XXX±.005/.XX±.13	projection				RIGHT ANGLE RECEPTACLE w/GUIDE PIN POWER	
				linear	.XXX±.0020/.XXX±.051						
				angles	0°±2°						
				dr	LEV4 10/14/99	INCH/MM		product family	PWRBLADE	code	
				enrg	J. BROWN 10/14/99	scale		size	dwg no	213	
				chr	J. BROWN 10/14/99	3:2		A	51763	sheet	2
				appd	J. BROWN 10/14/99						
sheet index	revision			sheet							

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3 |

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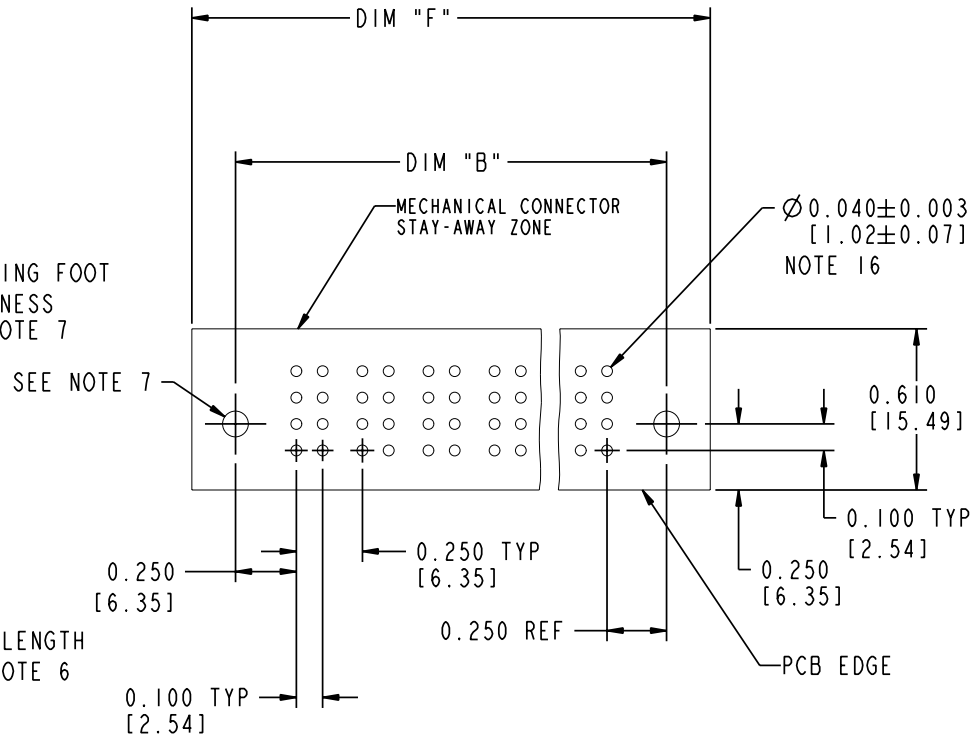
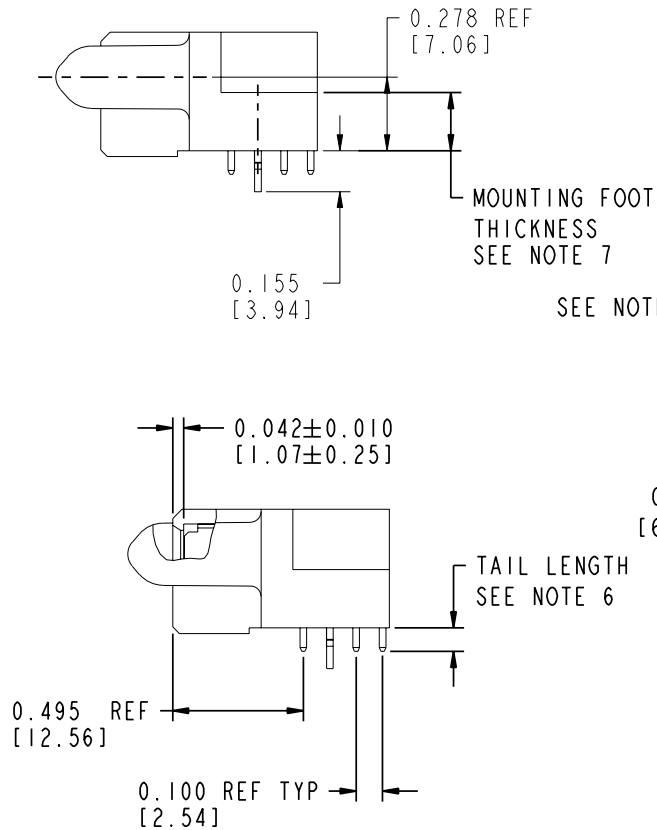
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A
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B

PRODUCT NUMBER
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Note: ①



RECOMMENDED PCB LAYOUT

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ltr	ecn no.	dr	date	linear	.XX±.01/.XX±.3	COPY	projection	product family	PWRBLADE	code	
E				linear	.XXX±.005/.XX±.13			size	dwg no	213	sheet
				linear	.XXX±.0020/.XXX±.051					3	
				angles	0°±2°						
				dr	LEV4 10/14/99						
				enr	J. BROWN 10/14/99						
				chr	J. BROWN 10/14/99						
				appd	J. BROWN 10/14/99						
sheet index	revision										
	sheet										

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