

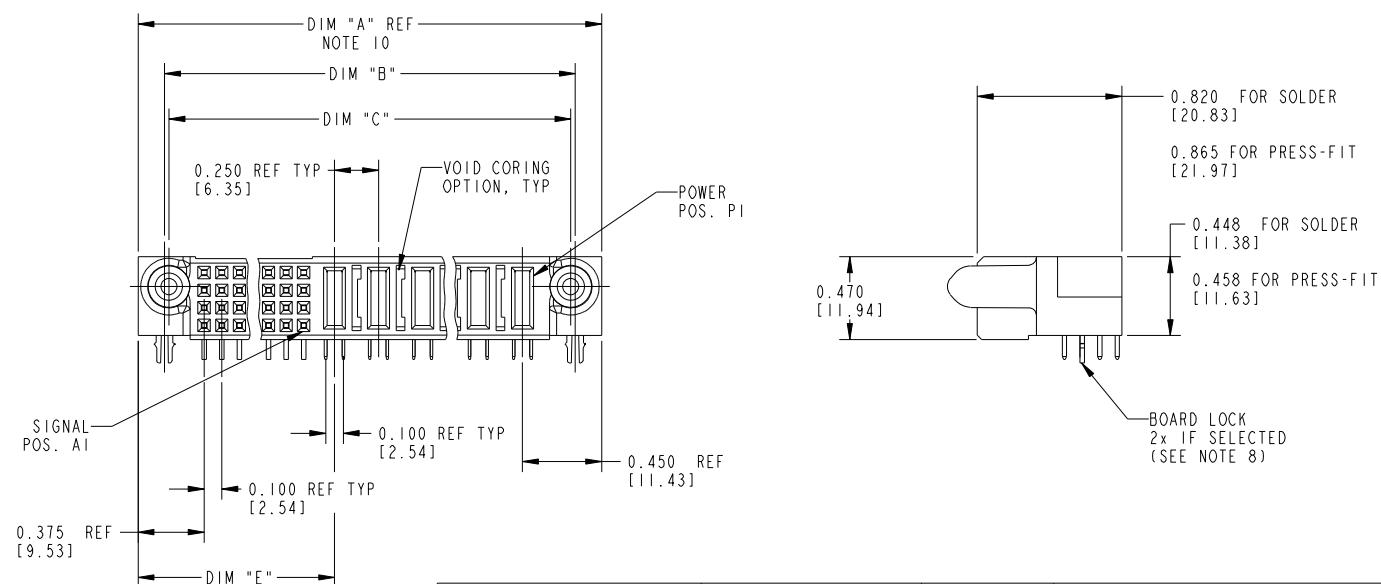
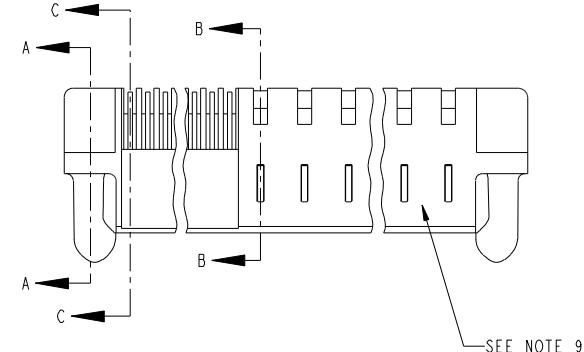


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PRODUCT NUMBER
51762- ABBCCC00EF --
Note: (3)

SEE NOTE 1



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER projection	www.fciconnect.com
lfr	ecn no.	dr	date			linear	angles		
J	DG05-0124	SJ	06/03/05			.XX±.01 / .X±.3			
K	DG08-0239	JC	09/11/08			.XXX±.005 / .XX±.13			
						.XXXX±.0020 / .XXX±.051			
						0°±2°			
							dr	DBOGLE	05-18-99
							engr	J. BROWN	05-18-99
							chr	J. BROWN	05-18-99
							appd	J. BROWN	05-18-99
sheet	revision	K	K	K			scale	1:1	
index	sheet	1	2	3					

THIS FILE WAS ORIGINALLY CREATED IN THE PRO ENGINEER ENVIRONMENT AND ANY FUTURE REVISIONS TO THIS FILE MUST BE MADE IN THE PRO ENGINEER ENVIRONMENT

form no. 7530-001-103

1 | 2

PDM: Rev:K

STATUS: Released

Printed: Dec 20, 2010

cage code 22526

B

3 | 4

4



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form no. 7530-001-103

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PRODUCT NUMBER	DIM	LENGTH FORMULAS (SEE NOTE 10)
51762-ABCCCC00EF-- Note: ③	DIM "A"	.100 [2.54] x (CCC/4) + .250 [6.35] x BB + .650 [16.51] (NOTE 10)
SEE NOTE 1	DIM "B"	.100 [2.54] x (CCC/4) + .250 [6.35] x BB + .350 [8.89]
	DIM "C"	.100 [2.54] x (CCC/4) + .250 [6.35] x BB + .300 [7.62]
	DIM "E"	.100 [2.54] x (CCC/4) + .450 [11.43]
	DIM "F"	.100 [2.54] x (CCC/4) + .250 [6.35] x BB + .680 [17.27]
	DIM "H"	.100 [2.54] x (CCC/4) + .250 [6.35]

## CONNECTOR NOTES

① PRODUCT NUMBER CODE

51762 - A BB CCC 00 E F LF

NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE  
ADD THIS SUFFIX: 78u"/2.00um Sn ON PCB INTERFACE   
RETENTION TO PCB (NOTE 8)  
TAIL OPTIONS (NOTE 7)  
ALWAYS '00' (ZERO, ZERO) (NOTE 6)  
NUMBER OF SIGNAL CONTACTS (NOTE 5)  
NUMBER OF RIGHT POWER CONTACTS (NOTE 4)  
PLATING (NOTE 3))  
BASE NUMBER

- 2. HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.  
SIGNAL CONTACT MATERIAL: COPPER ALLOY  
POWER CONTACT MATERIAL: COPPER ALLOY
- 3. PLATING OPTION:  
I = SEE PRINT 10064183 FOR PLATING SPEC OF 51762-1BBCCC00EF; 51762-1BBCCC00EFL
- 4. RIGHT END POWER CONTACTS, 01 TO 19 AVAILABLE.  
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR
- 5. SIGNAL CONTACTS, 004 TO 148 AVAILABLE FOR SOLDER TO BOARD.  
020 TO 148 AVAILABLE FOR PRESS-FIT TO BOARD.
- 6. THIS PART NOT AVAILABLE WITH LEFT SIDE  
POWER CONTACTS.
- 7. TAIL OPTIONS:  
A =  $.135 \pm .010$  [ $.343 \pm .25$ ] SOLDER TO BOARD  
B =  $.090 \pm .005$  /  $-.010$  [ $.229 \pm .013$  /  $-.025$ ]  
SOLDER TO BOARD  
C =  $.154 \pm .010$  [ $.391 \pm .25$ ] PRESS-FIT TO BOARD

8. RETENTION TO PCB OPTIONS:  
A = BOARD LOCK (REQUIRES .098 ± .002/- .001  
[2.49 ± 0.057/-0.031] THRU HOLE IN PCB  
MOUNTING FOOT HEIGHT:  
.220[5.59]  
\*\*NOT AVAILABLE FOR PRESS-FIT\*\*  
B = .150 [3.81] THRU HOLE (REQUIRES .158 ± 0.003  
[4.01 ± 0.08] THRU HOLE IN PCB).  
MOUNTING FOOT HEIGHT  
.160[4.06]  
\*\*ALWAYS AVAILABLE FOR PRESS-FIT\*\*  
9. MANUFACTURER'S NAME, P/N, AND DATE CODE  
TO APPEAR ON THIS SURFACE.  
10. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART  
IS 8.00 [203.2]  
11. PRODUCT SPECIFICATION GS-12-149  
12. APPLICATION SPECIFICATION BUS-20-067.  
13. FOR PRESS-FIT CONNECTORS USE FCI CAM TOOL 430140  
TO APPLY CONNECTOR TO PCB.

## PCB NOTES

14. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.  
15. ALL THROUGH HOLES ARE LOCATED WITH A  
TRUE POSITION OF .004[.10]  
16. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

(17)  $\emptyset 0.0453 \pm .001$  [ $1.151 \pm 0.021$ ] DRILLED HOLES PLATED WITH  
0.003[.007] MIN SnPb OVER 0.001[.03] TO .003[.08]  
PLATING TO ACHIEVE A .0404-.0405-.0405-.0408 HOLE

18. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION

mat'l code				tolerances unless otherwise specified		CUSTOMER COPY	FCI	www.fciconnect.com		
ltr	ecn no.	dr	date	linear	.XX±.01 / .X±.3 .XXX±.005 / .XX±.13 XXXX±.0020 / XXXX±.051			projection	title RIGHT ANGLE RECEPTACLE w/GUIDE PI POWER / SIGNAL	
K				angles	0°±2°					
		dr	DBOGLE	05-18-99		INCH / MM	product family	PWRBLADE	code	
		engr	J. BROWN	05-18-99			size	dwg no	213	
		chr	J. BROWN	05-18-99		scale	51762		SHEET	
		oppd	J. BROWN	05-18-99		1:1	A		2 OF 3	
sheet index	revision sheet									
						3	cage code	22526	4	

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form no. 7530-001-103

1 2

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cage code 22526

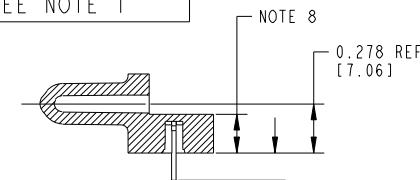
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PDM: Rev:K

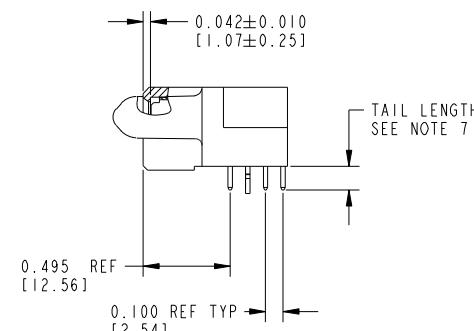
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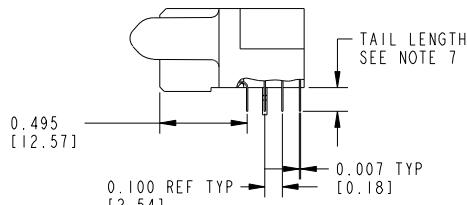
PRODUCT NUMBER  
51762-ABBCCC00EF --  
Note: ③  
SEE NOTE 1



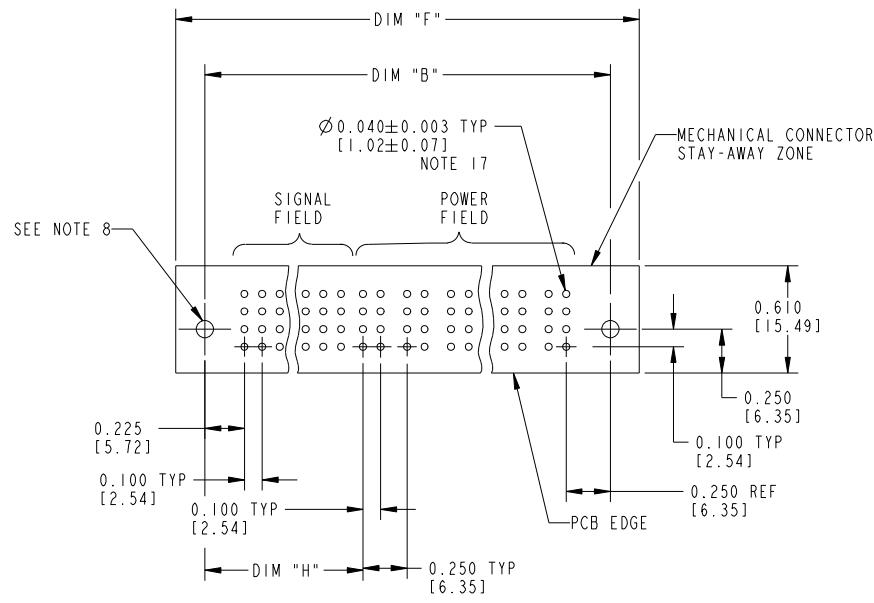
SECTION A-A



SECTION B-B



SECTION C-C



RECOMMENDED PCB LAYOUT

mat'l code				tolerances unless otherwise specified		CUSTOMER COPY projection	title RIGHT ANGLE RECEPTACLE w/GUIDE PIN POWER / SIGNAL	product family PWRBLADE	code 213
lfr	ecn no.	dr	date	linear	angles				
K				.XX±.01 / .X±.3	.XXX±.005 / .XX±.13				
				.XXXX±.0020 / .XXX±.051	.0°±.2°				
				dr DBOGLE 05-18-99	dr				
				engr J. BROWN 05-18-99	engr				
				chr J. BROWN 05-18-99	chr				
				appd J. BROWN 05-18-99	appd				
						scale 1:1			
sheet	revision								
index	sheet								

B

A

A

B

3

4