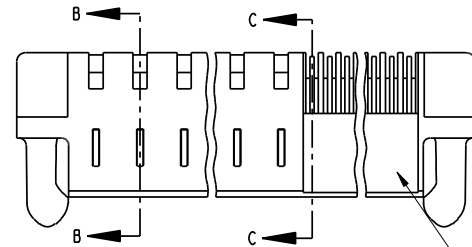


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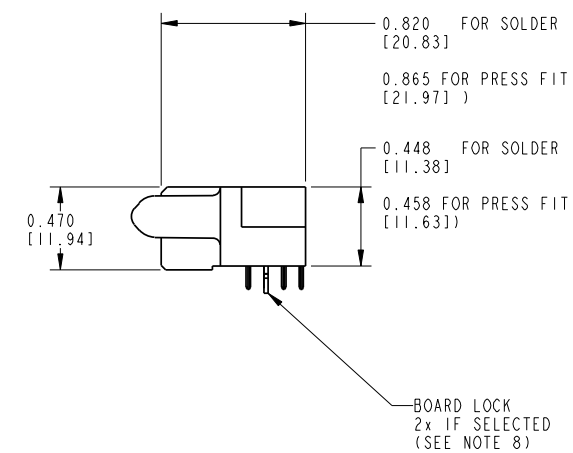
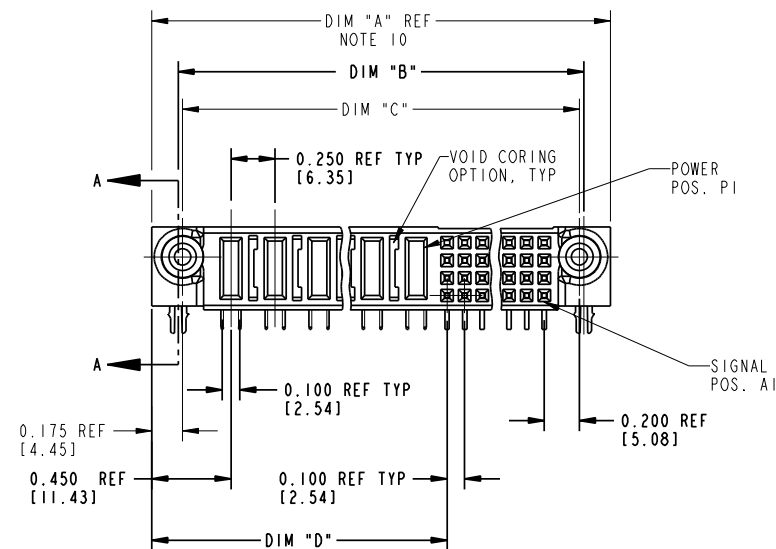


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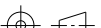
PRODUCT NUMBER
51761- A00CCDDEF..
NOTE ①
SEE NOTE 1



SEE NOTE 9



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mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER COPY		 www.fciconnect.com			
lrr	ecn no.	dr	date	linear	.XX±.01/.X±.3		projection 	title RIGHT ANGLE RECEPTACLE w/GUIDE PIN SIGNAL/ POWER			
K	DG07-0059	RYAN	02/12/07		.XXX±.005/.XX±.13						
L	DG07-0061	JULIA	02/14/07	angles	.XXX±.0020/.XX±.051		 INCH / MM	product family PWRBLADE			
M	DG08-0239	JC	09/11/08		0°±2°						
N	DG09-0128	JW	04/23/09	enr	DB08LE	05-18-99	scale 1:1	size dwg no A 51761		code 213 SHEET 1 OF 3	
P	DG11-0074	HZ	03/14/11	chr	J. BROWN	05-18-99					
				appd	J. BROWN	05-18-99					
sheet index		revision sheet		P	P	P					
				1	2	3					

form no. 7530-001-103

cage code 22526

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PRODUCT NUMBER
51761-A00CCDDEF-- NOTE ①
SEE NOTE 1

1	2									3		4
DIM		LENGTH FORMULAS (SEE NOTE 10)										
DIM "A"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .650 [16.51] (NOTE 10)										
DIM "B"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .350 [8.89]										
DIM "C"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .300 [7.62]										
DIM "D"		.250 [6.35] x DD + .375 [9.53] Δ										
DIM "F"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .680 [17.27]										
DIM "G"		.250 [6.35] x DD + .225 [5.72]										

CONNECTOR NOTES

- ① PRODUCT NUMBER CODE:
51761 - A 00 CCC DD 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)
NUMBER OF LEFT END POWER CONTACTS (NOTE 6)
NUMBER OF SIGNAL CONTACTS (NOTE 5)
ALWAYS '00' (ZERO, ZERO) (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:
SEE PRINT 10064183 FOR PLATING SPEC OF 51761-100CCDDEF; 51761-100CCDDEFLF
- ④ THIS PART IS NOT AVAILABLE WITH RIGHT SIDE POWER CONTACTS.
- ⑤ SIGNAL CONTACTS, 004 TO 148 AVAILABLE FOR SOLDER TO BOARD.
012 TO 148 AVAILABLE FOR PRESS FIT TO BOARD.
- ⑥ LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR
- ⑦ TAIL OPTIONS:
A = .135 ±.010 [3.43 ±0.25] SOLDER TO BOARD
B = .090 ±.005 / -.010 [2.29 ±0.13 / -.025] SOLDER TO BOARD
C = .154 ±.010 [3.91 ±0.25] PRESS FIT TO BOARD

- ⑧ RETENTION TO PCB OPTIONS:
A = BOARD LOCK (REQUIRES .098 ±.002 / -.001 [2.49 ±0.05 / -0.03] THRU HOLE IN PCB
MOUNTING FOOT HEIGHT: .220 [5.59]
B = .150 [3.81] THRU HOLE (REQUIRES .158 ±0.003 [4.01 ±0.08] THRU HOLE IN PCB).
MOUNTING FOOT HEIGHT: .160 [4.06]
- ⑨ MANUFACTURE'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-XXX TO APPLY CONNECTOR TO IPCB.

PCB NOTES:

14. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
15. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004 [0.10]
16. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
17. $\varnothing$ 0.0453 ±.001 [1.151 ±0.02] DRILLED HOLES PLATED WITH 0.0003 [0.007] MIN SnPb OR Sn OVER 0.001 [0.03] TO .003 [0.08] Cu PLATING TO ACHIEVE A .040 ±.003 [1.02 ±0.08] HOLE.
18. A Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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lfr	ecn no.	dr	date	linear	.XX±.01 / .X±.3	projection 	title RIGHT ANGLE RECEPTACLE w/GUIDE PIN SIGNAL / POWER				
P					.XXX±.005 / .XX±.13						
					.XXX±.0020 / .XX±.051						
				angles	0°±2°	 INCH / MM scale 1:1	product family size A	PWRBLADE		code	
				dr	D.BOGLE 05-18-99			dwg no 51761	213		
				enrg	J. BROWN 05-18-99						
				chr	J. BROWN 05-18-99						
				appd	J. BROWN 05-18-99	SHEET 2 OF 3					
sheet index		revision sheet									

form no. 7530-001-103

1 2

3

cage code 22526

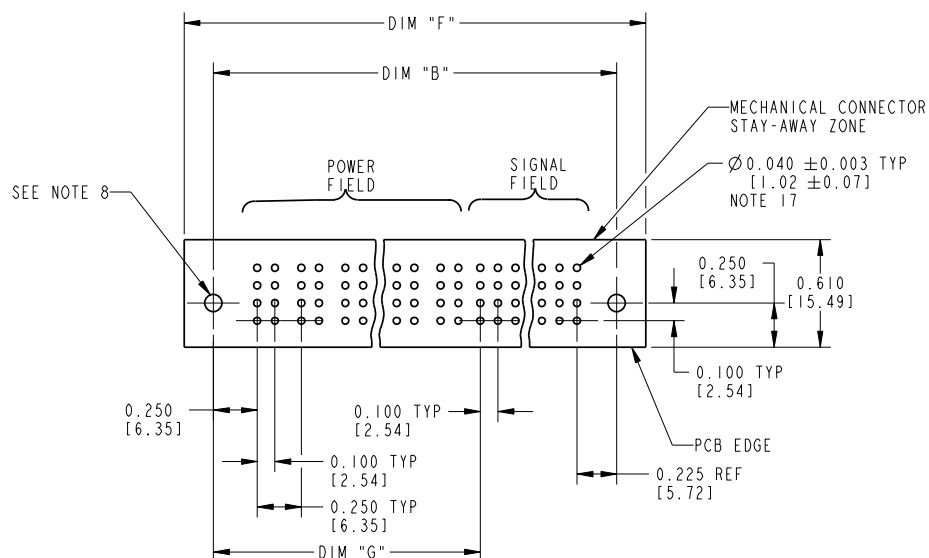
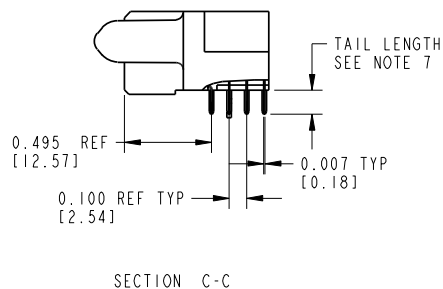
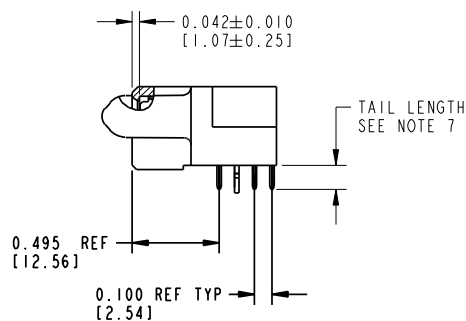
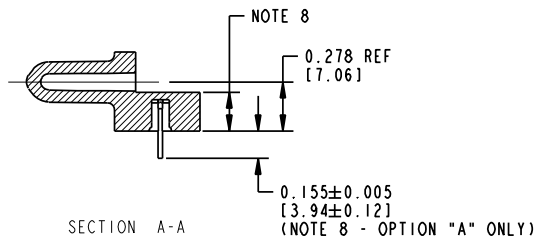
4

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PRODUCT NUMBER
51761 - A00CCCDDEF--
NOTE ①



mat'l code				tolerances unless otherwise specified		CUSTOMER COPY		 www.fciconnect.com			
lfr	ecn no.	dr	date	linear	.XX±.01/.X±.3		projection 	title RIGHT ANGLE RECEPTACLE w/GUIDE PIN SIGNAL / POWER			
P					.XXX±.005/.XX±.13						
				angles	.XXX±.0020/.XXX±.051						
					0°±2°						
		dr			D.BOGLE	05-18-99	INCH / MM 	product family	PWRBLADE	code	
		enrg			J. BROWN	05-18-99		size	dwg no	213	
		chr			J. BROWN	05-18-99		scale 1:1	A	51761	SHEET 3 OF 3
		appd			J. BROWN	05-18-99					
sheet index	revision sheet										

form no. 7530-001-103

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