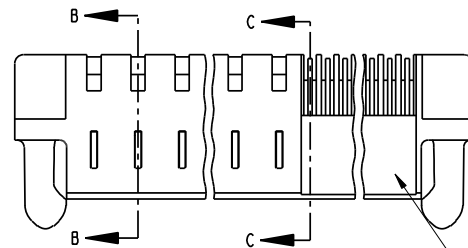


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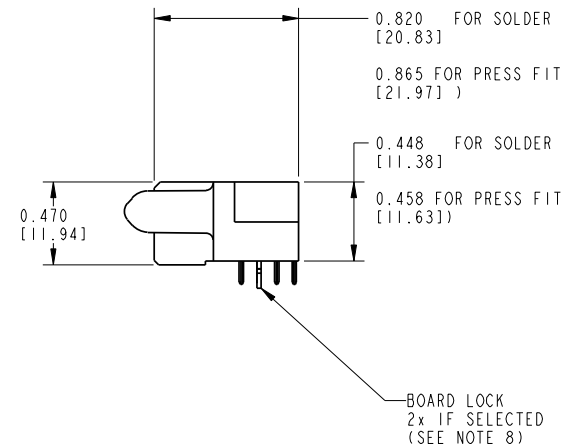
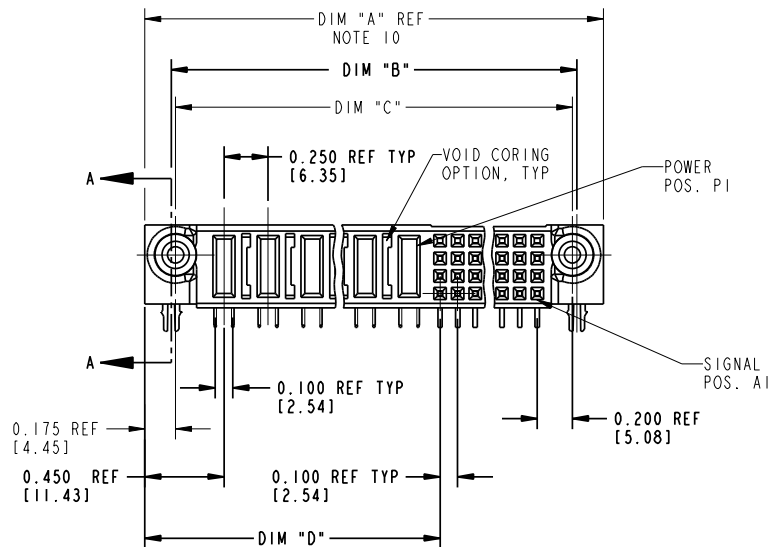


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PRODUCT NUMBER
51761- A00CCDDEF..
NOTE ①
SEE NOTE 1



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 	INCH / MM 	title RIGHT ANGLE RECEPTACLE w/GUIDE PIN SIGNAL/ POWER		product family		PWRBLADE	code
K	DG07-0059	RYAN	02/12/07		.XXX±.005/.XX±.13			size		dwg no	213		
L	DG07-0061	JULIA	02/14/07	.XXX±.0020/.XXX±.051	51761			A	SHEET 1 OF 1				
M	DG08-0239	JC	09/11/08	angles 0°±2°	scale 1:1								
N	DG09-0128	JW	04/23/09	dr DB08LE 05-18-99									
P	DG11-0074	HZ	03/14/11	enrg J. BROWN 05-18-99									
				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

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PRODUCT NUMBER		DIM		LENGTH FORMULAS (SEE NOTE 10)	
51761-A00CCDDEF-- NOTE ①		DIM "A"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .650 [16.51] (NOTE 10)	
SEE NOTE 1		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 / -0.25] 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.

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

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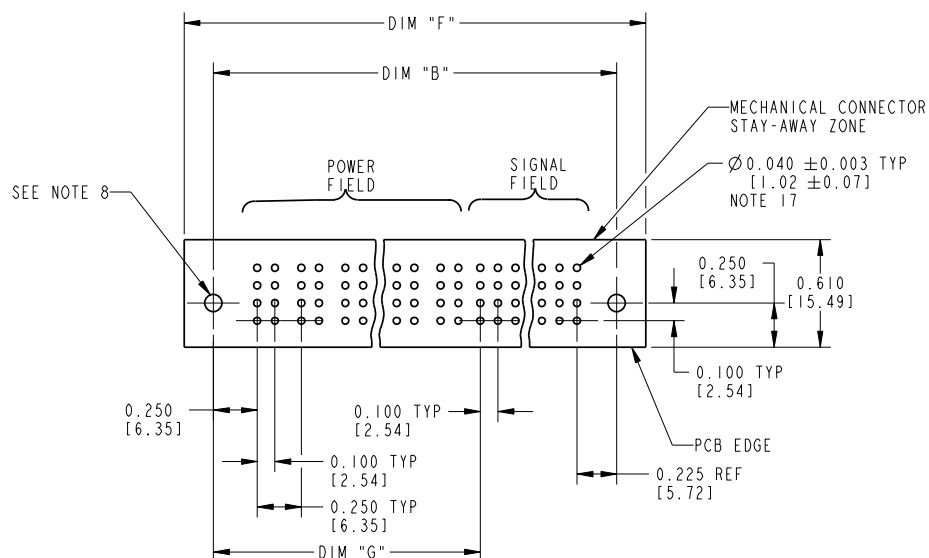
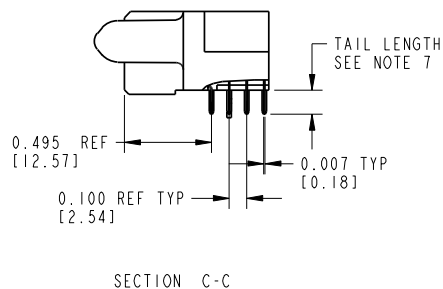
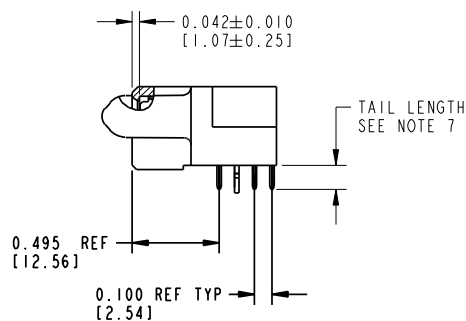
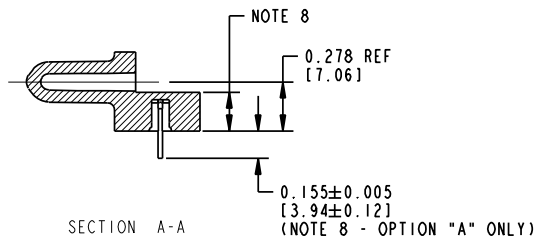
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PRODUCT NUMBER
51761 - A00CCCDDEF--
NOTE ①



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	product family PWRBLADE	code 213
P					.XXX±.005/.XX±.13				
				angles	.XXX±.0020/.XXX±.051	INCH / MM scale 1:1	size A	dwg no 51761	SHEET 3 OF 3
				dr	D.BOGLE 05-18-99				
				enrg	J. BROWN 05-18-99				
				chr	J. BROWN 05-18-99				
				appd	J. BROWN 05-18-99				
sheet index	revision sheet								

form no. 7530-001-103

cage code 22526