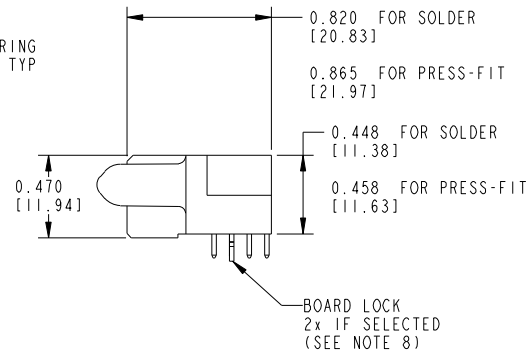
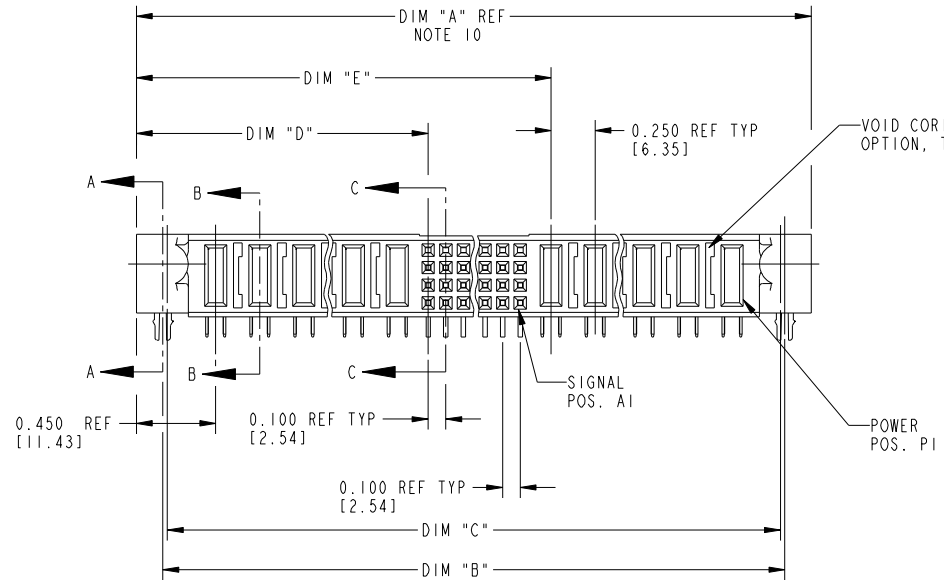
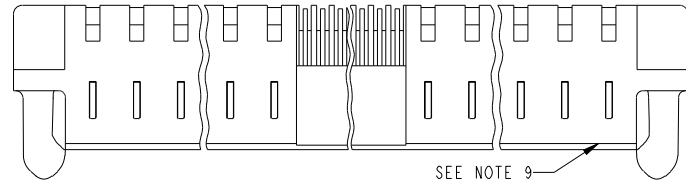




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PRODUCT NUMBER
51760- ABBCCDDEF _ _ Note: ③
SEE NOTE 1



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mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER COPY	
litr	ecn no.	dr	date									projection	
K	DG05-0124	SJ	06/03/05	linear		.XX±.01/.X±.3							
L	DG05-0485	GvoJM	11/21/05			.XXX±.005/.XX±.13							
M	DG07-0498	JW	05/23/08	angles		.XXX±.0020/.XXX±.051							
						0°±2°							
				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		M	M	M							
				1	2	3							

www.fciconnect.com	
title RIGHT ANGLE RECEPTACLE w/GUIDE PIN POWER / SIGNAL / POWER	
product family PwrBlade	code 213
size dwg no 51760	SHEET 1 OF 3
cage code 22526	

form no. 7530-001-103

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A



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B

PRODUCT NUMBER
51760-ABBCCDDEF-- Note: ③
SEE NOTE 1

CONNECTOR NOTES

① PRODUCT NUMBER CODE:

51760 - A BB CCC DD 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 8)
TAIL OPTIONS (NOTE 7)
NUMBER OF LEFT END POWER CONTACTS (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:
SEE IN PRINT 10064183 FOR PLATING SPEC OF 51760-ABBCCDDEF; 51760-ABBCCDDEFLF
- ④. RIGHT END POWER CONTACTS, 01 TO 20 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. LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR
- ⑦. TAIL OPTIONS:
A = .135 ±.010 [3.43 ±.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]
NOT AVAILABLE FOR PRESS-FIT

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THIS FILE MUST BE MADE IN THE PRO ENGINEER
ENVIRONMENT

form no. 7530-001-103

1 2 3 4

DIM	LENGTH FORMULAS (SEE NOTE 10)
DIM "A"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .650 [16.51] (NOTE 10)
DIM "B"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .350 [8.89]
DIM "C"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .300 [7.62]
DIM "D"	.250 [6.35] x DD + .375 [9.35]
DIM "E"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .450 [11.43]
DIM "F"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .680 [17.27]
DIM "G"	.250 [6.35] x DD + .225 [5.72]
DIM "H"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35]

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. **ALWAYS AVAILABLE FOR PRESS-FIT**
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 PCB.

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.
⑪. Ø0.0453 ±.001 [1.151 ±0.02] DRILLED HOLES PLATED WITH
0.0003 [0.007] MIN SnPb OVER 0.001 [1.03] TO .003 [0.08]
PLATING TO ACHIEVE A .040±.003 [1.02±0.08] HOLE.

18. THE VOID CORING IN BETWEEN POWER MODULES, SIGNAL MODULES
AND END MODULES ARE OPTIONAL AND THE SHAPE MAY BE DIFFERENT
FOR OPTIMIZING THE MOLDING PROCESS. THE VOID CORING WILL NOT
EFFECT TO PRODUCT FUNCTION.

19. 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	
litr	ecn no.	dr	date	linear	.XX±.01/.X±.3	projection 	title RIGHT ANGLE RECEPTACLE w/GUIDE PIN POWER / SIGNAL / POWER	product family PwrBlade	code 213
M					.XXX±.005/.XX±.13				
					.XXX±.0020/.XX±.051				
				angles	0°±2°	INCH / MM 	scale 1:2	size A	dwg no 51760
				dr	D. BOGLE 05-18-99				
				enrg	J. BROWN 05-18-99				
				chr	J. BROWN 05-18-99	sheet index	revision sheet		
				appd	J. BROWN 05-18-99				

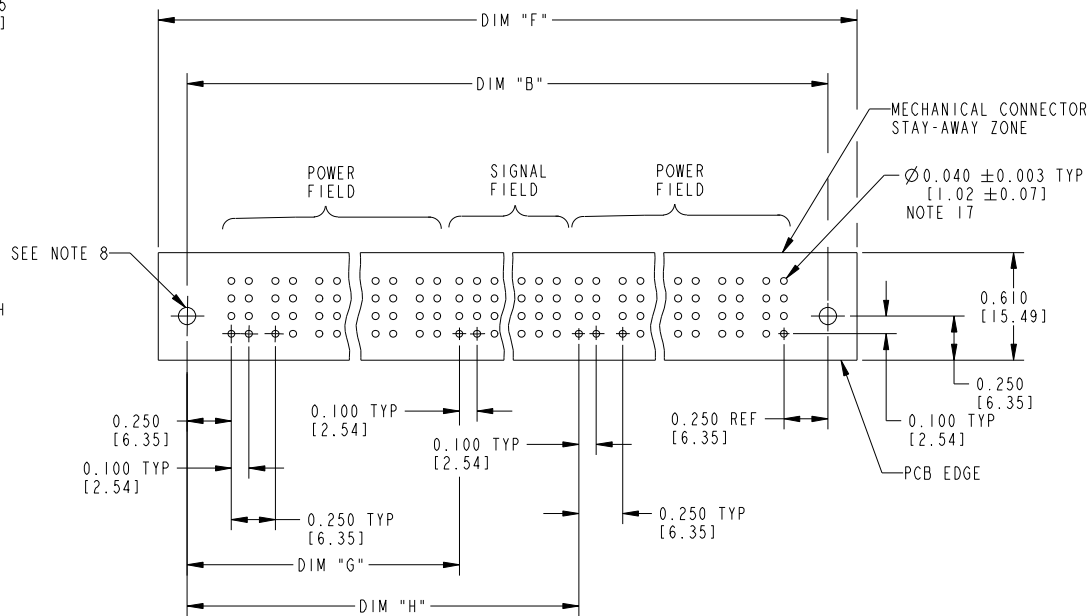
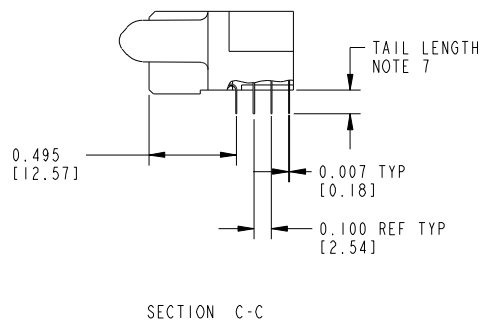
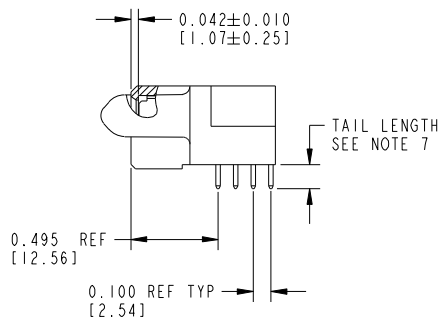
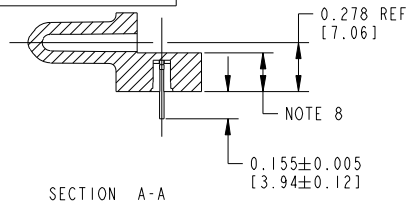
cage code 22526

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PRODUCT NUMBER
51760 - ABBCCCDDEF--
Note: ③
SEE NOTE 1



mat'l code				tolerances unless otherwise specified		CUSTOMER COPY		FCI		www.fciconnect.com	
litr	ecn no.	dr	date	linear	.XX±.01/.X±.3	projection		title	RIGHT ANGLE RECEPTACLE w/GUIDE PIN	product family	PwrBlade
M					.XXX±.005/.XX±.13			size	dwg no	51760	code
				angles	.XXX±.0020/.XXX±.051	INCH / MM	1:1				213
				dr	D. BOGLE 05-18-99	scale					SHEET
				enr	J. BROWN 05-18-99						3 OF 3
				chr	J. BROWN 05-18-99						
				appd	J. BROWN 05-18-99						
sheet index	revision sheet										

form no. 7530-001-103

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