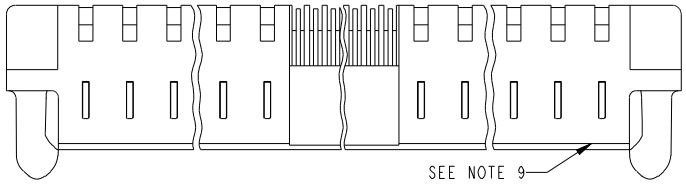
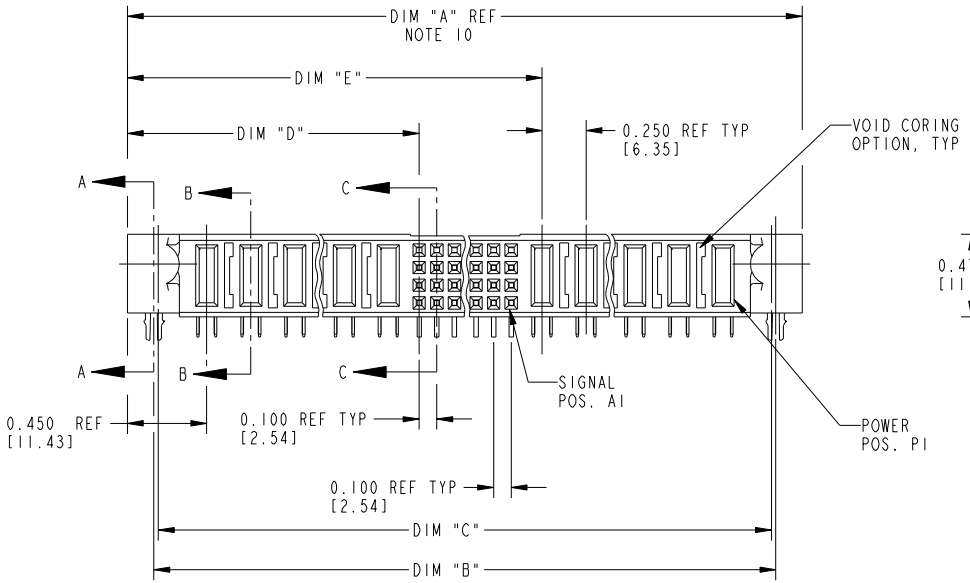
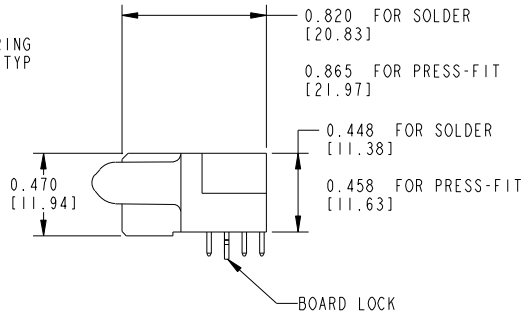
PRODUCT NUMBER
51760- ABBCCCDDEF__ Note: (3)
SEE NOTE 1







mat'l code SEE NOTE 2				tolerances unless otherwise specified			CUSTOMER COPY	www.fciconnect.com
ltr	ecn no.	dr	date	linear	.XX±.01/.X±.3		projection	title RIGHT ANGLE RECEPTACLE w/GUIDE PIN POWER / SIGNAL / POWER
K	DG05-0124	SJ	06/03/05		.XXX±.005/.XX±.13			
L	DG05-0485	GuoJM	11/21/05		.XXXX±.0020/.XXX±.051			
M	DG07-0498	JW	05/23/08	angles	0°±2°		INCH / MM	product family PwrBlade / code 213
				dr	D. BOGLE	05-18-99		
				engr	J. BROWN	05-18-99	scale 1:1	size A / dwg no 51760
				chr	J. BROWN	05-18-99		SHEET 1 OF 3
				appd	J. BROWN	05-18-99		
sheet	revision	M	M	M				
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

cage code 22526

PRODUCT NUMBER
51760-ABBCCCDDEF__ Note: (3)
SEE NOTE 1

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]

CONNECTOR NOTES

(1) PRODUCT NUMBER CODE:
51760 - A BB CCC DD E F LF
- LF: NO THIS SUFFIX:100u"/2.54um SnPb ON PCB INTERFACE; ADD THIS SUFFIX:78u"/2.00um Sn OR 5u" Au ON PCB INTERFACE
- F: RETENTION TO PCB (NOTE 8)
- E: TAIL OPTIONS (NOTE 7)
- DD: NUMBER OF LEFT END POWER CONTACTS (NOTE 6)
- CCC: NUMBER OF SIGNAL CONTACTS (NOTE 5)
- BB: NUMBER OF RIGHT POWER CONTACTS (NOTE 4)
- A: PLATING (NOTE 3)1
- 51760: 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:
M1: SEE IN PRINT 10064183 FOR PLATING SPEC OF 51760-ABBCCCDDEF; 51760-ABBCCCDDEFLF

(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 / -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]
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.) 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.

(17.) 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±08] HOLE.

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

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

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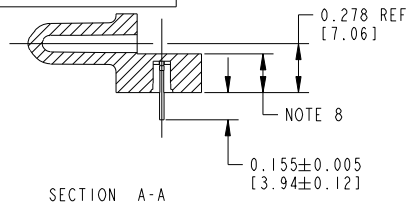
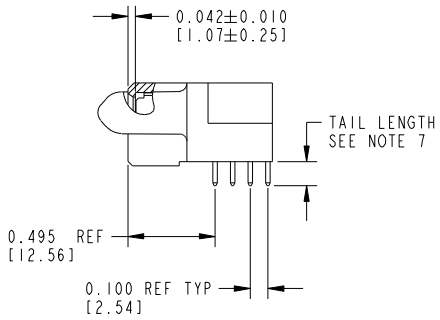
mat'l code				tolerances unless otherwise specified			CUSTOMER COPY	FCI www.fciconnect.com	
ltr	ecn no.	dr	date		.XX±.01/.X±.3				
M				linear	.XXX±.005/.XX±.13		projection	title: RIGHT ANGLE RECEPTACLE w/GUIDE PIN POWER / SIGNAL / POWER	
					.XXXX±.0020/.XXX±.051				
				angles	0°±2°				
				dr	D. BOGLE	05-18-99	INCH / MM	product family: PwrBlade	code: 213
				engr	J. BROWN	05-18-99			
				chr	J. BROWN	05-18-99	scale: 1:2	size: A dwg no: 51760	SHEET 2 OF 3
				appd	J. BROWN	05-18-99			
sheet	revision								
index	sheet							cage code: 22526	

PDM: Rev:M STATUS:Released Printed: Dec 20, 2010

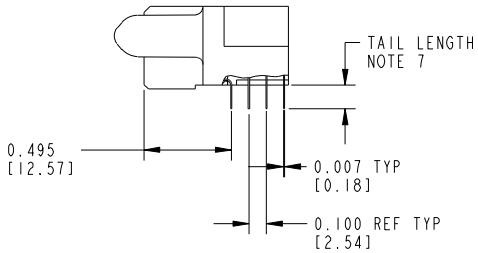
PRODUCT NUMBER
51760 - ABBCCCDDEF__ Note: (3)
SEE NOTE 1



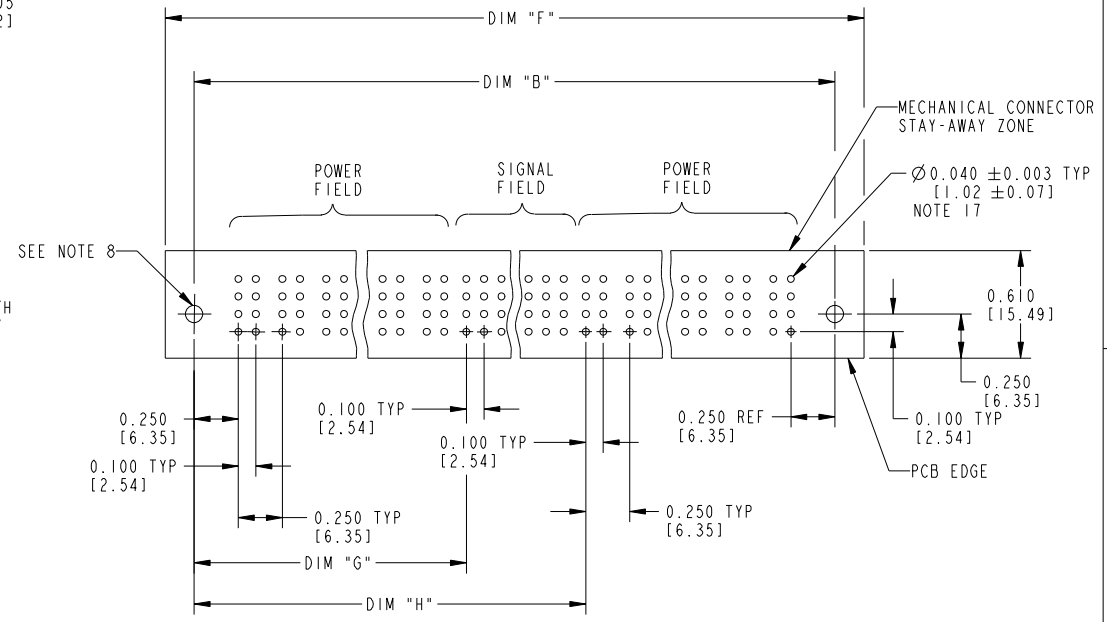
SECTION A-A



SECTION B-B



SECTION C-C



RECOMMENDED PCB LAYOUT

mat'l code				tolerances unless otherwise specified			CUSTOMER COPY	FCI www.fciconnect.com
ltr	ecn no.	dr	date	linear	.XX±.01/.X±.3			
M					.XXX±.005/.XX±.13		projection	title: RIGHT ANGLE RECEPTACLE w/GUIDE PIN POWER / SIGNAL / POWER
					.XXXX±.0020/.XXX±.051			
				angles	0°±2°			
				dr	D. BOGLE	05-18-99	INCH / MM	product family: PwrBlade; code: 213
				engr	J. BROWN	05-18-99		
				chr	J. BROWN	05-18-99	scale 1:1	size: A; dwg no: 51760; SHEET 3 OF 3
				appd	J. BROWN	05-18-99		
sheet	revision							
index	sheet							cage code: 22526

form no. 7530-001-103

PDM: Rev:M STATUS:Released Printed: Dec 20, 2010