

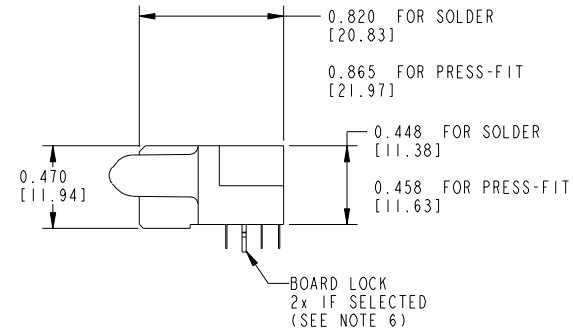
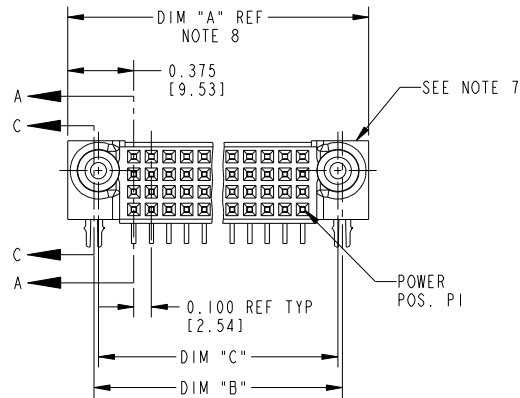
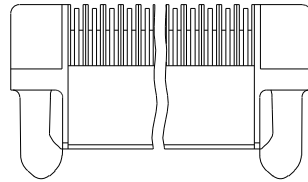
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PRODUCT NUMBER
51968-A00CCC00EF_
SEE NOTE 1

1 2 3 4



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mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER COPY		FCI www.fciconnect.com			
ltr	ecn no.	dr	date	linear	.XX±.01/.X±.3		projection 	title RIGHT ANGLE RECEPTACLE w/GUIDE PIN SIGNAL			
A	V04-0660	TAB	06/23/04		.XXX±.005/.XX±.13						
B	DG07-0080	RYAN	03/09/07		.XXXX±.0020/.XXX±.051						
C	DG08-0239	JC	09/12/08	angles	0°±2°		INCH / MM scale 1:1	product family		PwrBlade	code
				dr	T. BRUNGARD 06/23/04			size	dwg no	51968	213
				enrg	M. GRAY 06/23/04						
				chr	M. GRAY 06/23/04						
				appd	M. GRAY 06/23/04			A		SHEET 1 OF 3	
sheet index	revision sheet	C 1	C 2	C 3							

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PRODUCT NUMBER
51968-A00CCC00EF--
SEE NOTE 1

CONNECTOR NOTES

- ①. PRODUCT NUMBER CODE:
51968 - A 00 CCC 00 E F LF
W/O THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE
WITH THIS SUFFIX: 78u"/2.00um Sn ON PCB INTERFACE
RETENTION TO PCB (NOTE 6)
TAIL OPTIONS (NOTE 5)
ALWAYS "00" (ZERO, ZERO)
NUMBER OF SIGNAL CONTACTS (NOTE 4)
ALWAYS "00" (ZERO, ZERO)
PLATING (NOTE 3)
BASE NUMBER
- ②. HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
- ③. PLATING OPTION:
I = SEE PRINT 10064183 FOR PLATING SPEC OF 51968-100CCC00EF AND 51968-100CCC00EFLF
- ④. SIGNAL CONTACTS, 004 TO 148 AVAILABLE FOR SOLDER TO BOARD.
020 TO 148 AVAILABLE FOR PRESS-FIT TO BOARD.
- ⑤. 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

DIM	LENGTH FORMULAS (SEE NOTE 8)
DIM "A"	.100 [2.54] x (CCC/4) + .650 [16.51] (NOTE 8)
DIM "B"	.100 [2.54] x (CCC/4) + .350 [8.89]
DIM "C"	.100 [2.54] x (CCC/4) + .300 [7.62]
DIM "D"	.100 [2.54] x (CCC/4) + .680 [17.27]

- ⑥. 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
- ⑦. MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.
- ⑧. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2]
9. PRODUCT SPECIFICATION GS-12-149
10. APPLICATION SPECIFICATION BUS-20-067.
11. FOR PRESS-FIT CONNECTORS USE FCI CAM TOOL 430140-XXX TO APPLY CONNECTOR TO PCB.

PCB NOTES:

12. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
13. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004[0.10]
14. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- ⑮. Ø0.0453 ±.001 [1.151 ±0.02] DRILLED HOLES PLATED WITH 0.0003 [0.007] MIN SnPb OR Sn OVER 0.001 [1.03] TO .003 [0.08] Cu PLATING TO ACHIEVE A .040±.003 [1.02±0.08] HOLE.
16. A ΔSYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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ltr	ecr no.	dr	date	linear	.XX±.01/.X±.3	projection		title	www.fciconnect.com
c					.XXX±.005/.XX±.13			RIGHT ANGLE RECEPTACLE w/GUIDE PIN SIGNAL	
					.XXX±.0020/.XX±.051				
				angles	0°±2°				
				dr	T. BRUNGARD 06/23/04	INCH / MM		product family	PwrBlade
				enr	M. GRAY 06/23/04	scale		size	dwg no
				chr	M. GRAY 06/23/04	1:2		51968	213
				appd	M. GRAY 06/23/04				SHEET 2 OF 3
sheet index	revision sheet								

form no. 7530-001-103

1 2

3

cage code 22526

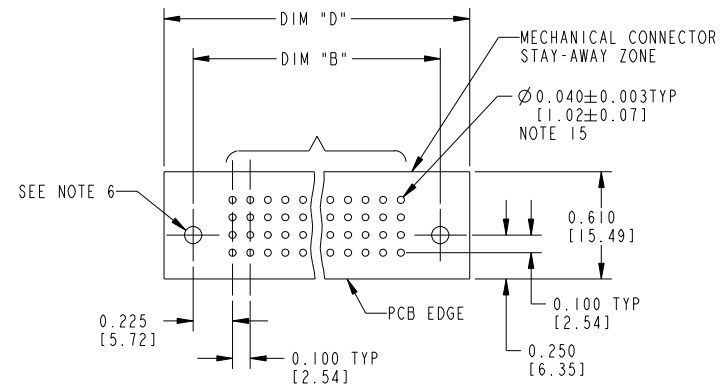
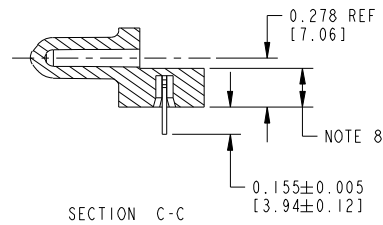
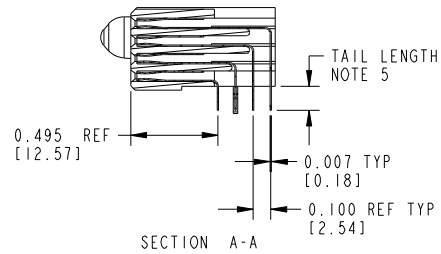
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SEE NOTE 1



mat'l code				tolerances unless otherwise specified		CUSTOMER COPY				www.fciconnect.com	
litr	ecr no.	dr	date	linear	.XX±.01/.X±.3	projection 	title RIGHT ANGLE RECEPTACLE w/GUIDE PIN SIGNAL	product family PwrBlade		code 213	
C					.XXX±.005/.XX±.13						
					.XXX±.0020/.XX±.051						
				angles	0°±2°	INCH / MM scale 1:1	size dwg no 51968	A		SHEET 3 OF 3	
				dr	T. BRUNGARD 06/23/04						
				enrg	M. GRAY 06/23/04						
				chr	M. GRAY 06/23/04						
				appd	M. GRAY 06/23/04						
sheet index		revision sheet									

form no. 7530-001-103

cage code 22526

Mouser Electronics

Authorized Distributor

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FCI / Amphenol:

<u>51968-10004800CBLF</u>	<u>51968-10002000AALF</u>	<u>51968-10003200AALF</u>	<u>51968-10004800ABLF</u>	<u>51968-10000800AALF</u>
<u>51968-10004800AALF</u>	<u>51968-10010000AALF</u>	<u>51968-10002400CBLF</u>	<u>51968-10014800AALF</u>	<u>51968-10009600ABLF</u>
<u>51968-10012800AALF</u>	<u>51968-10002000CBLF</u>	<u>51968-10002400ABLF</u>	<u>51968-10009600BALF</u>	<u>51968-10003200ABLF</u>
<u>51968-10001600CBLF</u>	<u>51968-10002400AALF</u>	<u>51968-10009200ABLF</u>	<u>51968-10003600AALF</u>	<u>51968-10001600AALF</u>
<u>51968-10004400AALF</u>	<u>51968-10007600AALF</u>	<u>51968-10006400AALF</u>	<u>51968-10009600BBLF</u>	<u>51968-10004000AALF</u>
<u>51968-10009600CBLF</u>	<u>51968-10006800ABLF</u>	<u>51968-10006400ABLF</u>		