

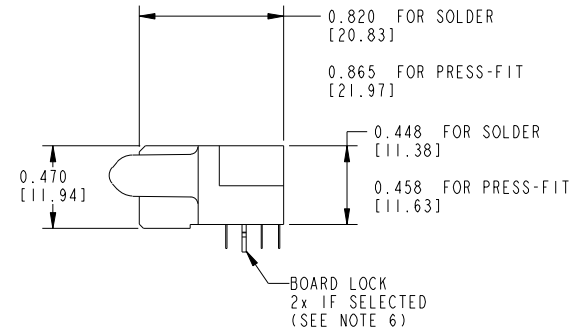
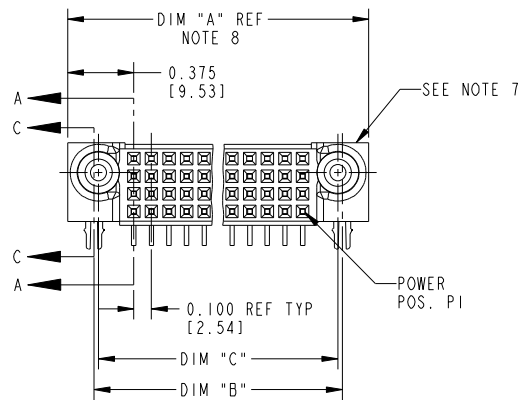
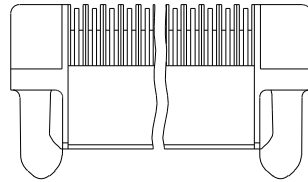
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PRODUCT NUMBER
51968-A00CCC00EF_
SEE NOTE 1

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	C	C						
		1	2	3						

form no. 7530-001-103

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cage code
22526

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51968-A00CCC00EF--
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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. $\varnothing 0.0453 \pm .001$ [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±08] HOLE.
16. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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ltr	ecn 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/.XXX±.051				
				angles	0°±2°	INCH / MM scale 1:2		size dwg no 51968	SHEET 2 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

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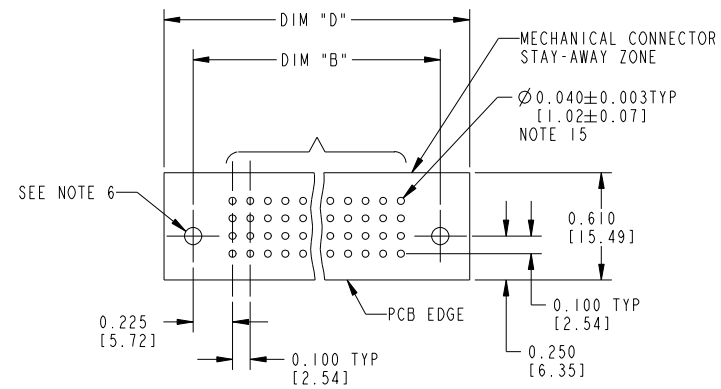
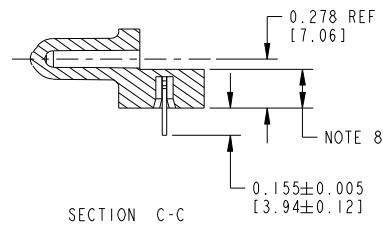
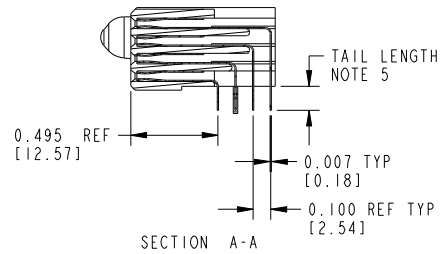
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C					.XXX±.005/.XX±.13						
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