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PRODUCT NUMBER	DIM	LENGTH FORMULAS (SEE NOTE 10)
51741-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]
	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:
51741 - A 00 CCC DD E F LF
 - A - NO THIS SUFFIX: 100u"/72.54um SnPb ON PCB INTERFACE
 - 0 - ADD THIS SUFFIX: 78u"/2.00um Sn ON PCB INTERFACE
 - CCC - RETENTION TO PCB (NOTE 8)
 - DD - TAIL OPTIONS (NOTE 7)
 - E - NUMBER OF LEFT END POWER CONTACTS (NOTE 6)
 - F - NUMBER OF SIGNAL CONTACTS (NOTE 5)
 - LF - 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:
1 = SEE PRINT 10064183 FOR PLATING SPEC OF 51741-100CCDDEF; 51741-100CCDDEFLF
4. THIS PART NOT AVAILABLE WITH RIGHT SIDE POWER CONTACTS.
5. SIGNAL CONTACTS, 004 TO 148 AVAILABLE.
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
C - .135±.010 [3.43±.25] PRESS FIT

8. RETENTION TO PCB OPTIONS:
A = BOARD LOCK (REQUIRES .098 + .002, -.001 [2.49 +0.05, -0.03] THRU HOLE IN PCB)
BOARD LOCK TO BE USED IN CONJUNCTION WITH AN .092 PCB OR THICKER.
C = NO RETENTION FEATURE (ALL 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. REFERENCE 51698 FOR SPECIALS WORKSHEET.
- PCB NOTES:
13. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
 14. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004 [0.01]
 15. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
 16. 0.0453±.001 [1.151±.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.
 17. A Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mal'1 code		SEE NOTE 2	tolerances unless otherwise specified	CUSTOMER	FCJ	www.fcjconnect.com
ltr	ecm no.	dr	date	COPY	title	
L				projection	VERTICAL RECEPTACLE W/ GUIDE PIN SIGNAL / POWER	
				INCH/MM	product family	PWRBLADE
				scale	size	code
				1:1	51741	213
sheet index	revision sheet					sheet
						2

1 | 2

Pro/E

3 |

cage code 22526

4

PDM: Rev:L

STATUS:Released

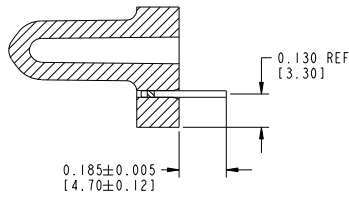
Printed: Dec 20, 2010

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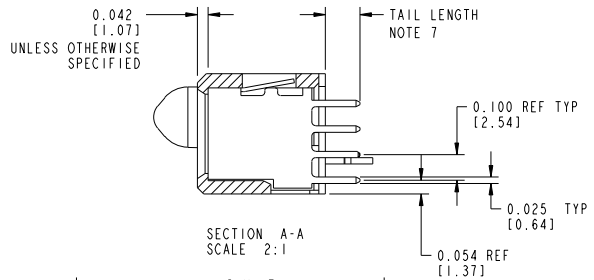


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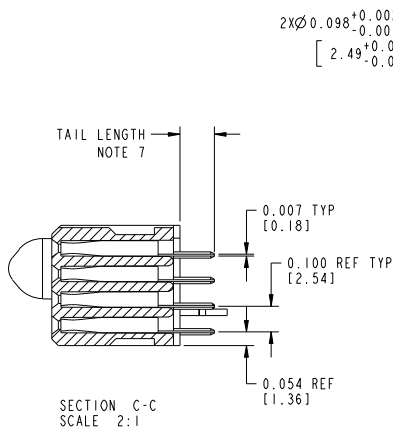
PRODUCT NUMBER
51741-A00CCDDEF... NOTE 1
SEE NOTE 1



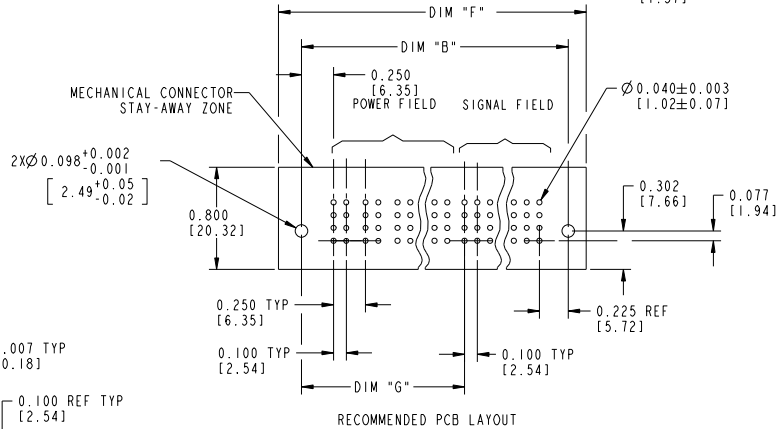
SECTION B-B
SCALE 2:1



SECTION A-A
SCALE 2:1



SECTION C-C
SCALE 2:1



RECOMMENDED PCB LAYOUT

mal'1 code		SEE NOTE 2	tolerances unless otherwise specified	CUSTOMER	www.fcjconnect.com
ltr	ecn no.	dr	date	COPY	
L				projection	title
					VERTICAL RECEPTACLE W/ GUIDE PIN SIGNAL / POWER
				INCH/MM	product family
				scale	PWRBLADE
				1:1	code
					213
sheet index	revision sheet				size
					dwg no
					51741
					sheet
					3

Pro/E

cage code 22526

PDM: Rev:L

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