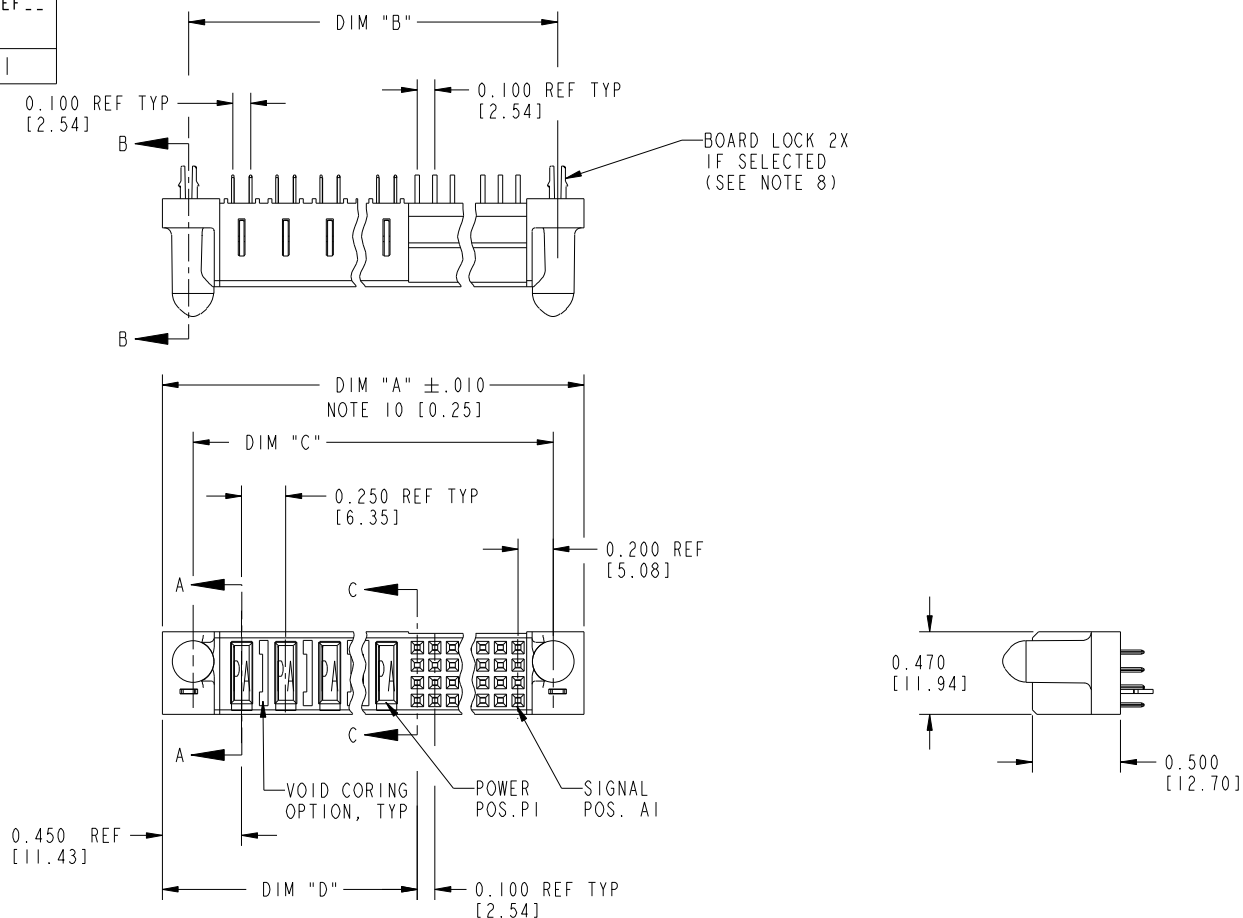




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PRODUCT NUMBER
51741-A00CCCDDEF-- NOTE ①
SEE NOTE 1



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
litr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	0°±2°	COPY	www.fciconnect.com	title	
H	DG05-0076	SW	04/11/05	linear	.XXX±.005/0.XX±0.13	projection	0°±2°	COPY	www.fciconnect.com	VERTICAL RECEPTACLE W/ GUIDE PIN	
J	DG05-0153	SJ	06/09/05	linear	.XXX±.0020/.XX±.051	projection	0°±2°	COPY	www.fciconnect.com	SIGNAL / POWER	
K	DG05-0479	CS	11/18/05	angles	0°±2°	projection	0°±2°	COPY	www.fciconnect.com	product family	
L	DG08-0239	JC	09/11/08	dr	D. EATON 05-25-99	projection	0°±2°	COPY	www.fciconnect.com	PWRBLADE	
				enrg	J. BROWN 05-24-99	projection	0°±2°	COPY	www.fciconnect.com	code	
				chr	J. BROWN 05-26-99	projection	0°±2°	COPY	www.fciconnect.com	213	
				appd	J. BROWN 05-26-99	projection	0°±2°	COPY	www.fciconnect.com	sheet	
						projection	0°±2°	COPY	www.fciconnect.com	1 of 3	
sheet index	revision sheet	L	L	L							
		1	2	3							

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PRODUCT NUMBER	DIM	LENGTH FORMULAS (SEE NOTE 10)
51741-A00CCCDDEF-- 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

- PRODUCT NUMBER CODE:
51741 - A 00 CCC DD E F LF
NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE
ADD THIS SUFFIX: 78u"/2.00um Sn 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)
ALWAYS '00' (ZERO, ZERO) (NOTE 4)
PLATING (NOTE 3)
BASE NUMBER
- HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
POWER CONTACT MATERIAL: COPPER ALLOY
- PLATING OPTION:
1 = SEE PRINT 10064183 FOR PLATING SPEC OF 51741-100CCCDDEF; 51741-100CCCDDEFLF
- THIS PART NOT AVAILABLE WITH RIGHT SIDE POWER CONTACTS.
- SIGNAL CONTACTS, 004 TO 148 AVAILABLE.
- LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
- TAIL OPTIONS:
A = .135±.010 [3.43±.25] SOLDER TO BOARD
C = .135±.010 [3.43±.25] PRESS FIT

- 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).
 - MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.
 - THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2].
 - PRODUCT SPECIFICATION GS-12-149.
 - REFERENCE 51698 FOR SPECIALS WORKSHEET.
- PCB NOTES:
- ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
 - ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004 [0.01]
 - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
 - 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.
 - A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
litr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		projection		title	
L					.XXX±.005/0.XX±0.13					VERTICAL RECEPTACLE W/ GUIDE PIN	
					.XXX±.0020/.XX±.051					SIGNAL / POWER	
				angles	0°±2°					product family	PWRBLADE
				dr	D. EATON 05-25-99					code	213
				enrg	J. BROWN 05-24-99					size	dwg no
				chr	J. BROWN 05-26-99					51741	sheet
				appd	J. BROWN 05-26-99					2	
sheet index	revision sheet										

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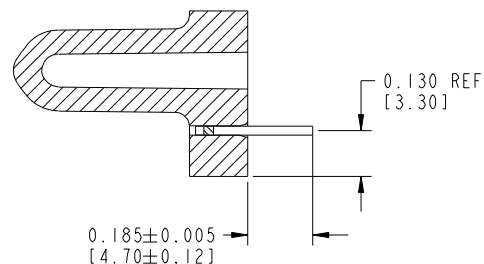
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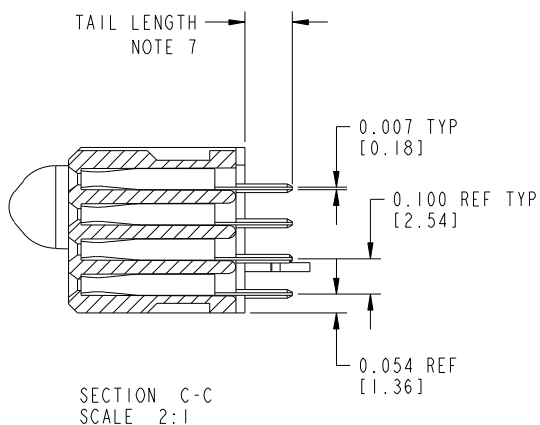


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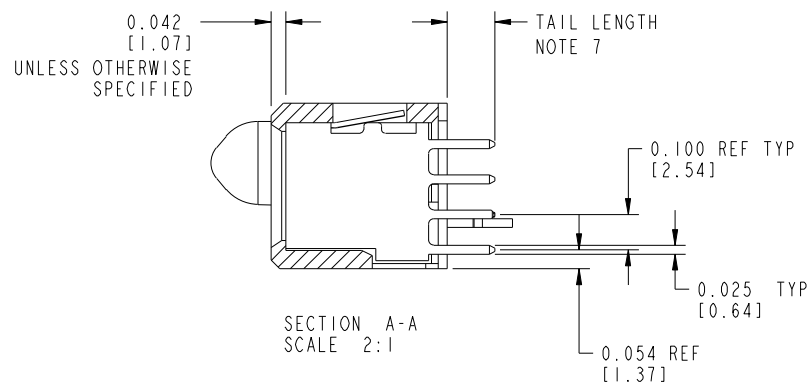
PRODUCT NUMBER
51741-A00CCCDDEF -- NOTE ①
SEE NOTE 1



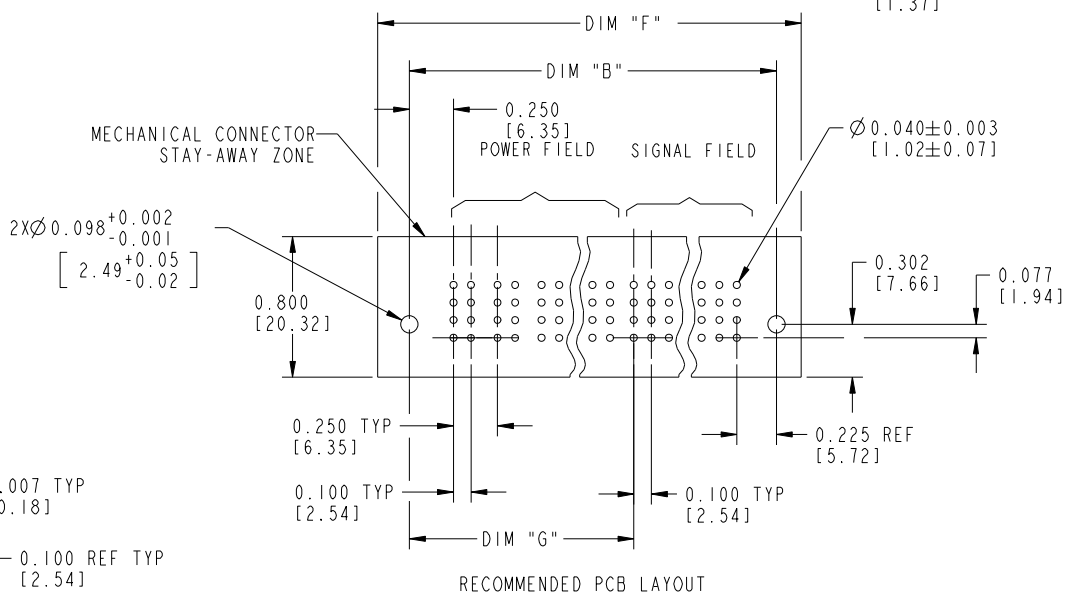
SECTION B-B
SCALE 2:1



SECTION C-C
SCALE 2:1



SECTION A-A
SCALE 2:1



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
litr	ecr no.	dr	date	linear		.XX±.01/0.X±0.3		COPY		projection		title	VERTICAL RECEPTACLE W/ GUIDE PIN SIGNAL / POWER
L						.XXX±.005/0.XX±0.13						product family	PWRBLADE
				angles		.XXX±.0020/.XX±.051						size	dwg no
				dr	D. EATON	05-25-99						code	213
				enr	J. BROWN	05-24-99						sheet	3
				chr	J. BROWN	05-26-99							
				appd	J. BROWN	05-26-99							
sheet index	revision sheet												

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