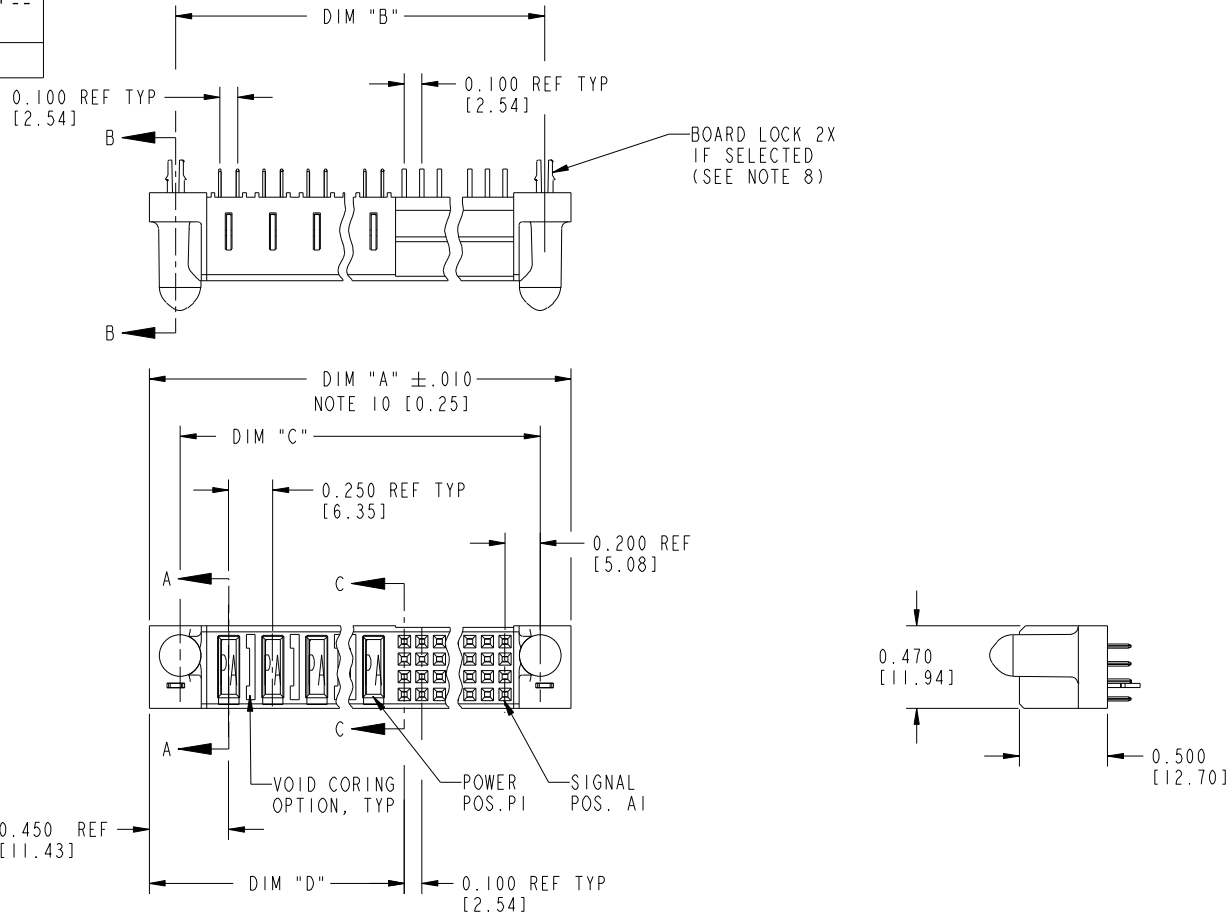


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PRODUCT NUMBER
51741-A00CCDDDEF -- NOTE ①
SEE NOTE 1



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.XX±0.3		COPY		 title VERTICAL RECEPTACLE W/ GUIDE PIN SIGNAL / POWER		
H	DG05-0076	SW	04/11/05		.XXX±.005/0.XX±0.13		projection				
J	DG05-0153	SJ	06/09/05	angles	.XXX±.0020/.XX±.051		 INCH/MM		product family PWRBLADE code 213		
K	DG05-0479	CS	11/18/05		0°±2°		scale		size dwg no 51741 sheet 1 of 3		
L	DG08-0239	JC	09/11/08	dr	D. EATON	05-25-99	A		cage code 22526		
				enrg	J. BROWN	05-24-99					
				chr	J. BROWN	05-26-99					
				appd	J. BROWN	05-26-99					
sheet index	revision sheet	L	L	L							
		1	2	3							

Pro/E

cage code 22526

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

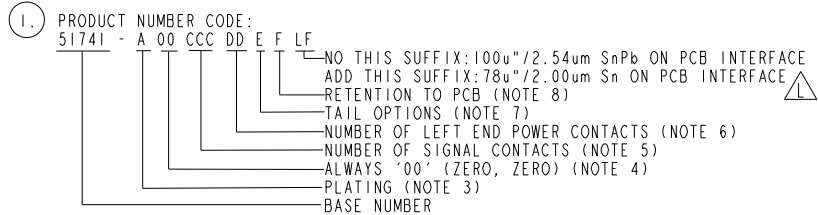
1 | 2

3 |

4

DIM	LENGTH FORMULAS (SEE NOTE 10)
DIM "A"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .650 [16.51] (NOTE 10)
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



- 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 51741-100CCCDDEF; 51741-100CCCDDEFLF
- 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 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			
ltr	ecn no.	dr	date	linear	.XX±.01/0.XX±0.3	projection		COPY		www.fciconnect.com	
L				linear	.XXX±.005/0.XX±0.13			title		VERTICAL RECEPTACLE W/ GUIDE PIN SIGNAL / POWER	
				angles	.XXX±.0020/.XXX±.051			product family		PWRBLADE	
				dr	0°±2°	INCH/MM		size		213	
				enrg	D. EATON 05-25-99	scale		dwg no		sheet	
				chr	J. BROWN 05-24-99	1:1		51741		2	
				appd	J. BROWN 05-26-99						
sheet index	revision sheet										

1 | 2

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3 |

cage code 22526

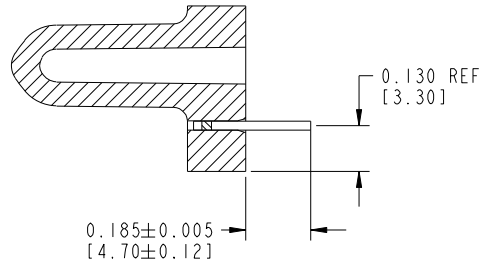
4

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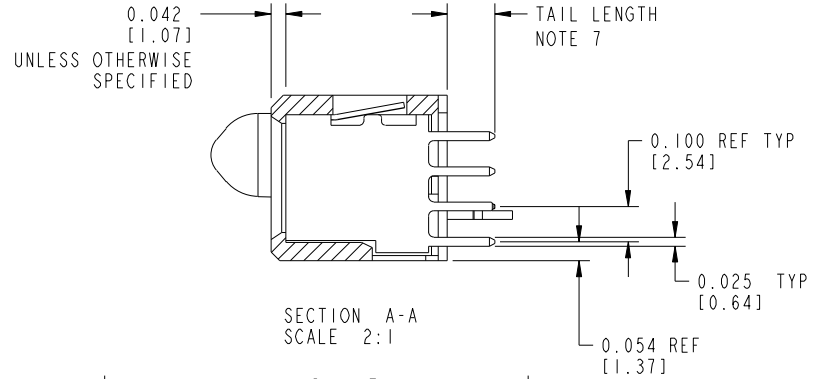


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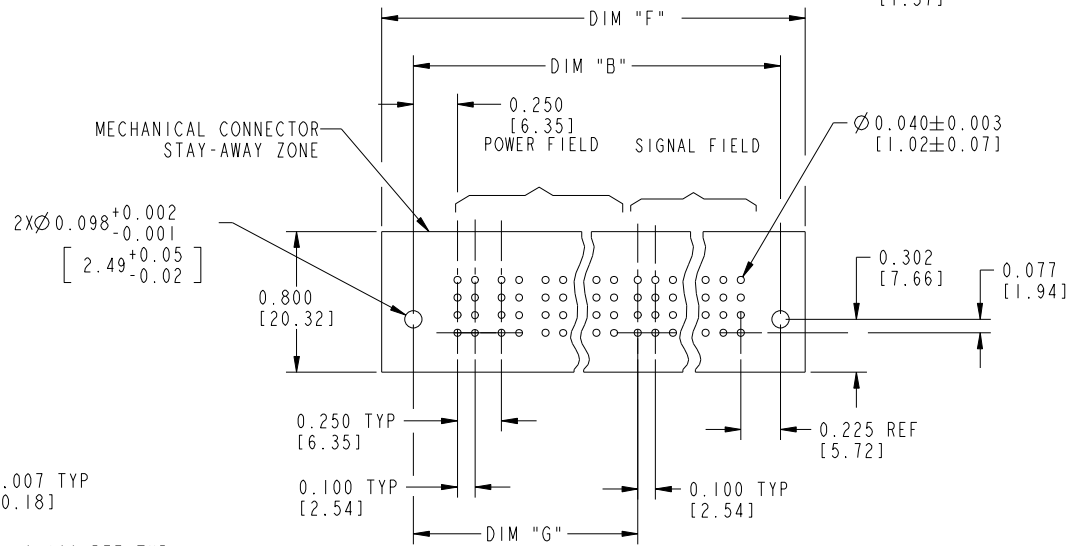
PRODUCT NUMBER
51741-A00CCDDDEF -- NOTE ①
SEE NOTE 1



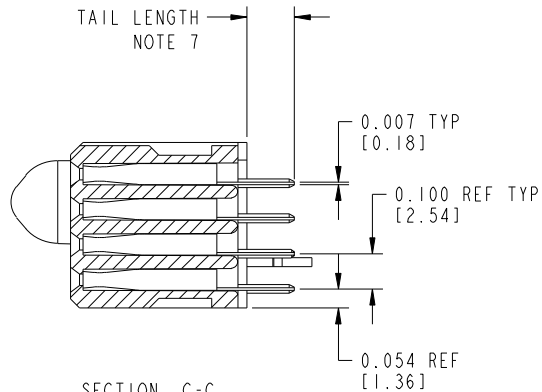
SECTION B-B
SCALE 2:1



SECTION A-A
SCALE 2:1



RECOMMENDED PCB LAYOUT



SECTION C-C
SCALE 2:1

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.XX±0.3	COPY		title	
L				linear	.XXX±.005/0.XX±0.13	projection		VERTICAL RECEPTACLE W/ GUIDE PIN SIGNAL / POWER	
				angles	.XXX±.0020/.XX±.051			product family	
				dr	D. EATON 05-25-99	INCH/MM		PWRBLADE	
				enr	J. BROWN 05-24-99	scale		code	
				chr	J. BROWN 05-26-99	1:1		213	
				appd	J. BROWN 05-26-99	A		sheet	
sheet index		revision sheet						3	
								cage code	
								22526	

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cage code 22526