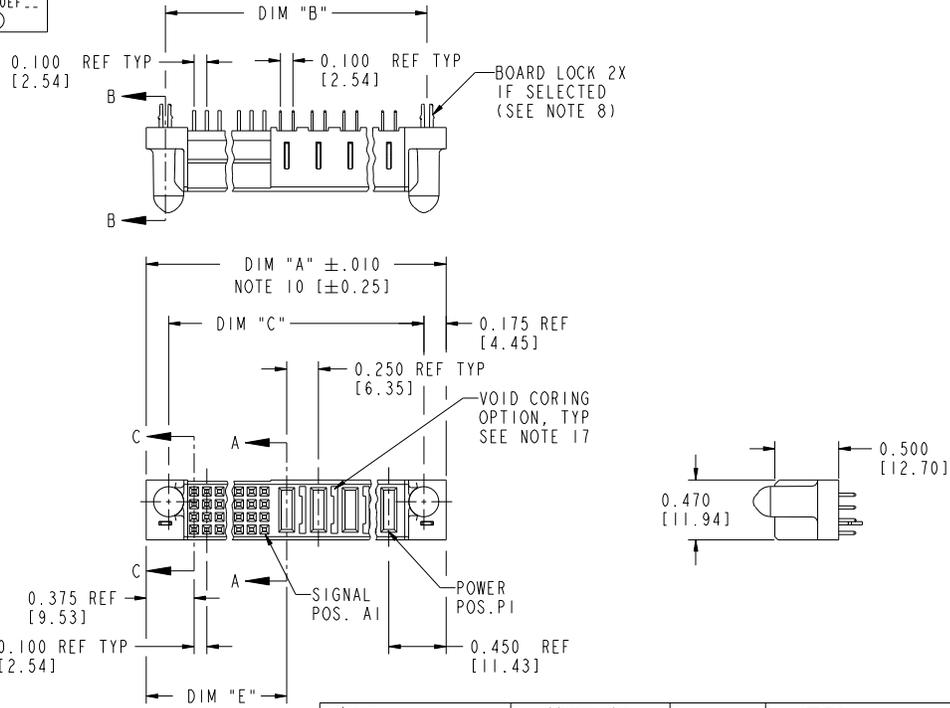


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PRODUCT NUMBER  
51742-ABBCC00EF...  
NOTE: ①



mat'l code		SEE NOTE 2	tolerances unless otherwise specified	CUSTOMER	FCI
lfr	ecn no.	dr	date	COPY	www.fciconnect.com
H	D605-0132	SJ	06/02/05	projection	title
J	D605-0153	SJ	06/10/05	linear .XX±.01/0.X±0.3	VERTICAL RECEPTACLE W/GUIDE PIN
K	D606-0362	JULIA	08/30/06	angles .XXX±.005/0.XX±0.13	POWER / SIGNAL
L	D608-0239	JC	09/11/08	INCH/MM	product family
				scale	PWRBLADE
					code
					213
					sheet
					1 of 3
sheet index	revision sheet	L	L	L	
		1	2	3	

Pro/E

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PRODUCT NUMBER  
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NOTE: ①

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DIM	LENGTH FORMULAS (SEE NOTE 10)
DIM "A"	.100 [2.54] x (CCC/4) + .250 [6.35] x BB + .650 [16.51] (NOTE 10)
DIM "B"	.100 [2.54] x (CCC/4) + .250 [6.35] x BB + .350 [8.89]
DIM "C"	.100 [2.54] x (CCC/4) + .250 [6.35] x BB + .300 [7.62]
DIM "E"	.100 [2.54] x (CCC/4) + .450 [11.43]
DIM "F"	.100 [2.54] x (CCC/4) + .250 [6.35] x BB + .680 [17.27]
DIM "H"	.100 [2.54] x (CCC/4) + .250 [6.35]

CONNECTOR NOTES

- PRODUCT NUMBER CODE:  
51742 - A BB CCC 00 E F LF  
    - NO THIS SUFFIX: 100µ"/2.54µm SnPb ON PCB INTERFACE
    - ADD THIS SUFFIX: 78µ"/2.00µm Sn ON PCB INTERFACE
    - RETENTION TO PCB (NOTE 8)
    - TAIL OPTIONS (NOTE 7)
    - ALWAYS '00' (ZERO, ZERO) (NOTE 6)
    - NUMBER OF SIGNAL CONTACTS (NOTE 5)
    - NUMBER OF RIGHT POWER CONTACTS (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:  
SEE PRINT 10064183 FOR PLATING SPEC OF 51742-1BBCC00EF; 51742-1BBCC00EFLF
  - RIGHT END POWER CONTACT, 01 TO 20 AVAILABLE.  
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
  - SIGNAL CONTACTS, 004 TO 148 AVAILABLE.
  - THIS PART NOT AVAILABLE WITH LEFT SIDE POWER CONTACTS.
  - 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) (NOT AVAILABLE WITH PRESS FIT).  
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.
  - THE VOID CORING IN BETWEEN POWER MODULES, SIGNAL MODULES AND END MODULES ARE OPTIONAL AND THE SHAPE MAY BE DIFFERENT FOR OPTIMIZING THE MOLDING PROCESS. THE VOID CORING WILL NOT EFFECT TO PRODUCT FUNCTION.
  - A  $\Delta$  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		
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY	www.fciconnect.com		title		
L				angles	.XXX±.005/0.XX±0.13	INCH/MM	VERTICAL RECEPTACLE W/GUIDE PIN POWER / SIGNAL	product family		code		
				eng	.XXX±.002/0.XX±.051	scale	PWRBLADE	size		sheet		
				chr	0.5°	1:1	51742	dwg no		213		
				appd	D. EATON 05-25-99			2 of 3				
					J. BROWN 05-24-99							
					J. BROWN 05-26-99							
					J. BROWN 05-26-99							
sheet index	revision sheet											

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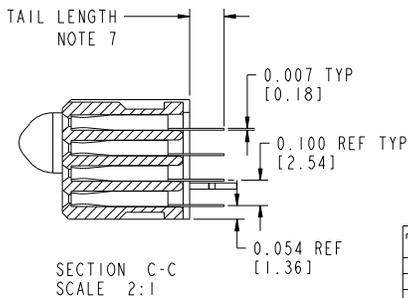
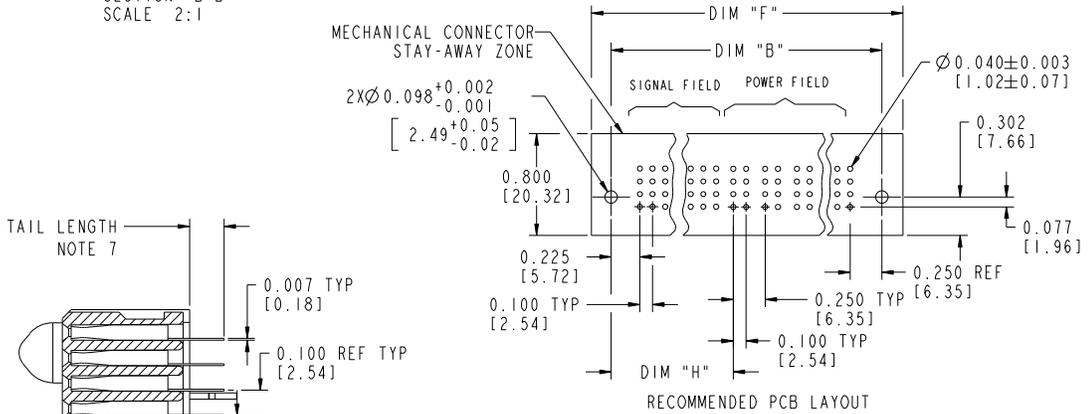
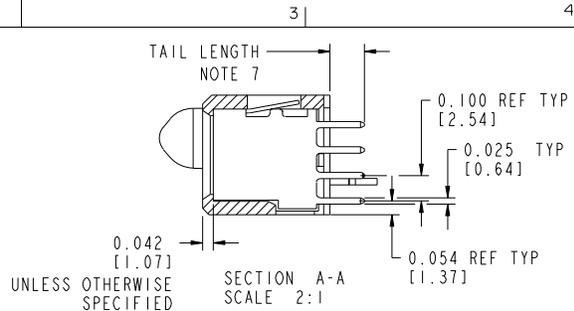
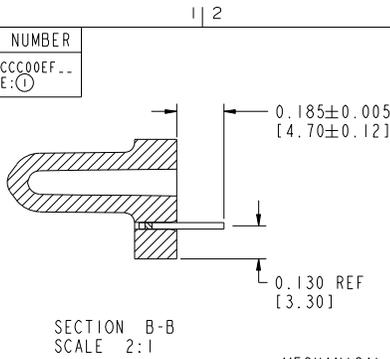
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PRODUCT NUMBER  
51742-ABBCC00EF...  
NOTE: ①



mal'1 code		SEE NOTE 2	tolerances unless otherwise specified	CUSTOMER	FCI	www.fciconnect.com
ltr	ecn no.	dr	date	COPY	title	
L				projection	VERTICAL RECEPTACLE W/GUIDE PIN POWER / SIGNAL	
				INCH/MM	product family	PWRBLADE
				scale	size	code
				1:1	dwg no	213
sheet index	revision sheet				51742	3 of 3

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cage code 22526

PDM: Rev:L

STATUS: Released

Printed: Dec 20, 2010