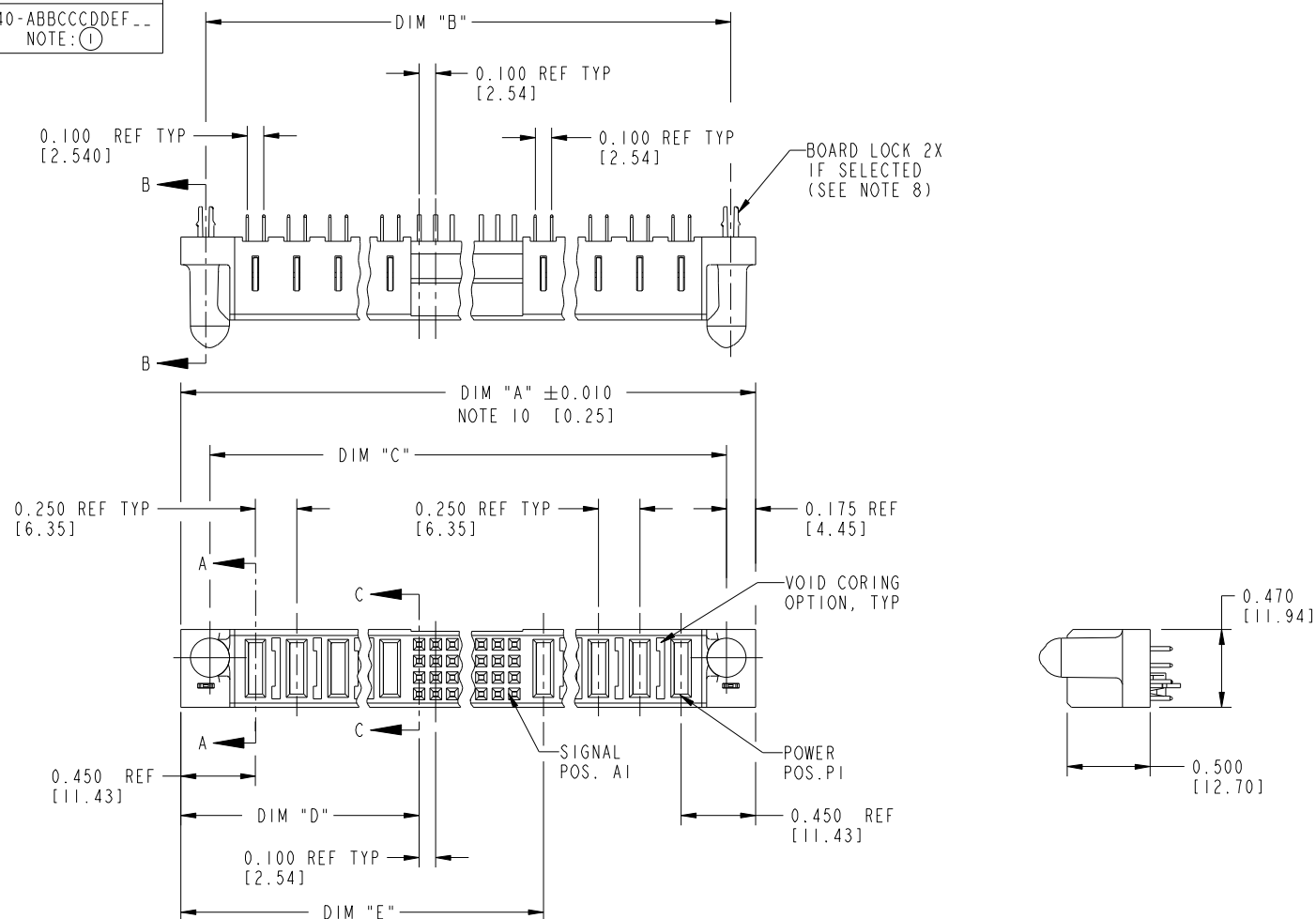


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PRODUCT NUMBER
51740-ABBCCDDEF--
NOTE: ①



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
litr	ecn no.	dr	date					COPY		www.fciconnect.com	
K	DG05-0132	SJ	06/06/05	linear		.XX±.01/0.X±0.3		projection		title VERTICAL RECEPTACLE w/GUIDE PIN POWER / SIGNAL / POWER	
L	DG05-0153	SJ	06/10/05			.XXX±.005/0.XX±0.13					
M	DG05-0485	GUOJM	11/21/05	angles		.XXX±.0020/.XX±.051					
N	DG06-0362	JULIA	08/30/06			0°±2°		INCH/MM		product family PwrBlade	
P	DG08-0239	JC	09/11/08	enrg		D. EATON 05-25-99		scale		size	code
R	DG10-0318	AL	09/03/10	chr		RYAN YUAN 11/08/06		1:1		dwg no	213
				appd		J. BROWN 05-24-99				51740	sheet
						J. BROWN 05-24-99					1 of 3
sheet index	revision sheet	R	R	R							
		1	2	3							

Pro/E

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PRODUCT NUMBER
51740-ABBCCCDDEF-- NOTE: ①

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3 |

4

DIM	LENGTH FORMULAS (SEE NOTE 10)
DIM "A"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .650 [16.51] (NOTE 10)
DIM "B"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .350 [8.89]
DIM "C"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .300 [7.62]
DIM "D"	.250 [6.35] x DD + .375 [9.53]
DIM "E"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .450 [11.43]
DIM "F"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .680 [17.27]
DIM "G"	.250 [6.35] x DD + .225 [5.72]
DIM "H"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35]

CONNECTOR NOTES

- PRODUCT NUMBER CODE:
51740 - A BB 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)
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:
I = SEE PRINT 10064183 FOR PLATING SPEC OF 51740-IBBCCCDDEF; 51740-IBBCCCDDEF LF
 - RIGHT END POWER CONTACT, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
 - 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 ±0.010 [3.43±0.25] SOLDER TO BOARD
C = .135 ±0.010 [3.43±0.25] PRESS FIT
 - RETENTION TO PCB OPTIONS:
A = BOARD LOCK (REQUIRES .098 + .002, -.001 [2.49 +0.05, -.003] THRU HOLE IN PCB)
RECOMMENDED ON SYMMETRIC CONNECTORS.
BOARD LOCK TO BE USED IN CONJUNCTION WITH AN .092 PCB OR THICKER.
C = NO RETENTION FEATURE.
 - 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					COPY					
R						linear	.XX±.01/0.X±0.3	projection		title VERTICAL RECEPTACLE w/GUIDE PIN POWER / SIGNAL / POWER			
							.XXX±.005/0.XX±0.13						
						angles	.XXX±.0020/.XX±.051						
						dr	0°±2°						
						enr	D. EATON 05-25-99						
						enr	RYAN YUAN 11/08/06						
						chr	J. BROWN 05-24-99						
						appd	J. BROWN 05-24-99						
sheet index		revision sheet											

1 | 2

Pro/E

3 |

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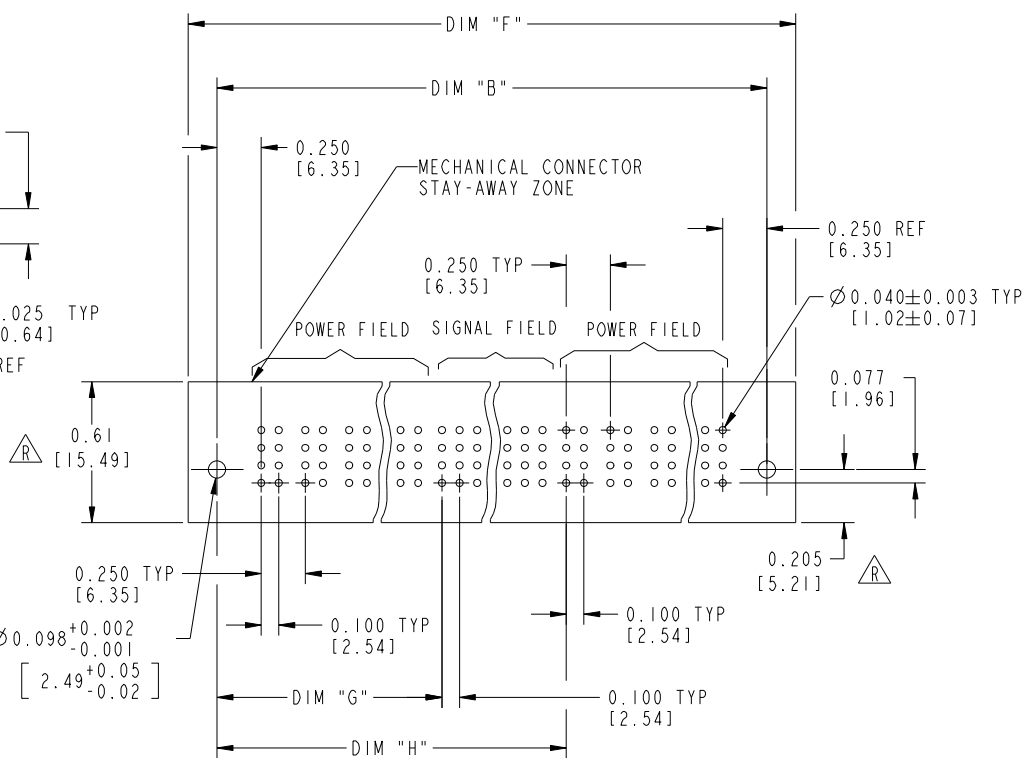
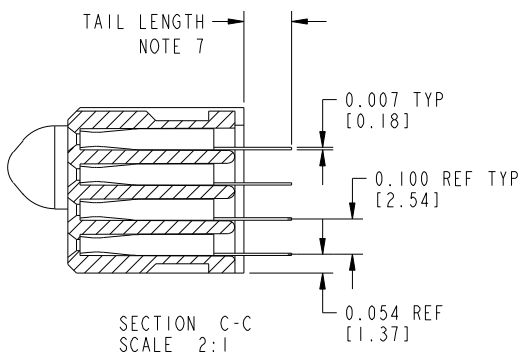
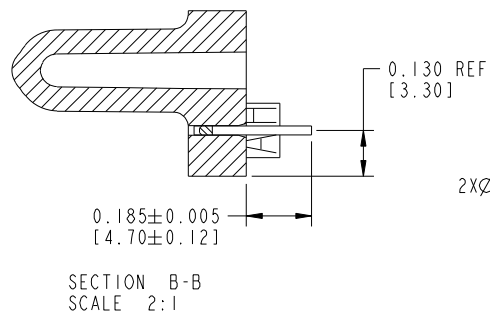
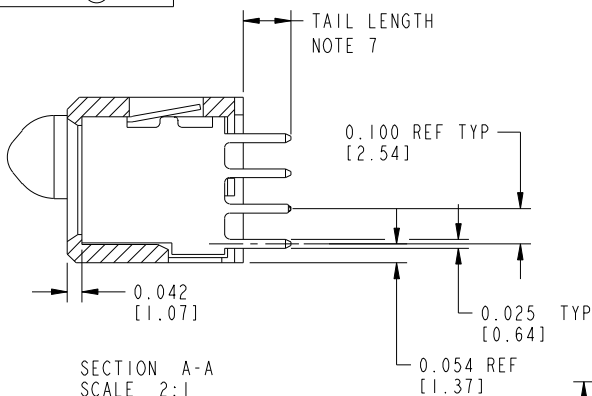
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PRODUCT NUMBER
51740-ABBCCDDEF..
NOTE: ①



RECOMMENDED PCB LAYOUT

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 VERTICAL RECEPTACLE w/GUIDE PIN POWER / SIGNAL / POWER	
R				angles		.XXX±.005/0.XX±0.13						product family PwrBlade	
				dr	D. EATON	05-25-99						size	213
				enrg	RYAN YUAN	11/08/06						dwg no	3 of 3
				chr	J. BROWN	05-24-99						51740	
				appd	J. BROWN	05-24-99						A	
sheet index		revision sheet						scale 1:1					
												cage code 22526	

Pro/E

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