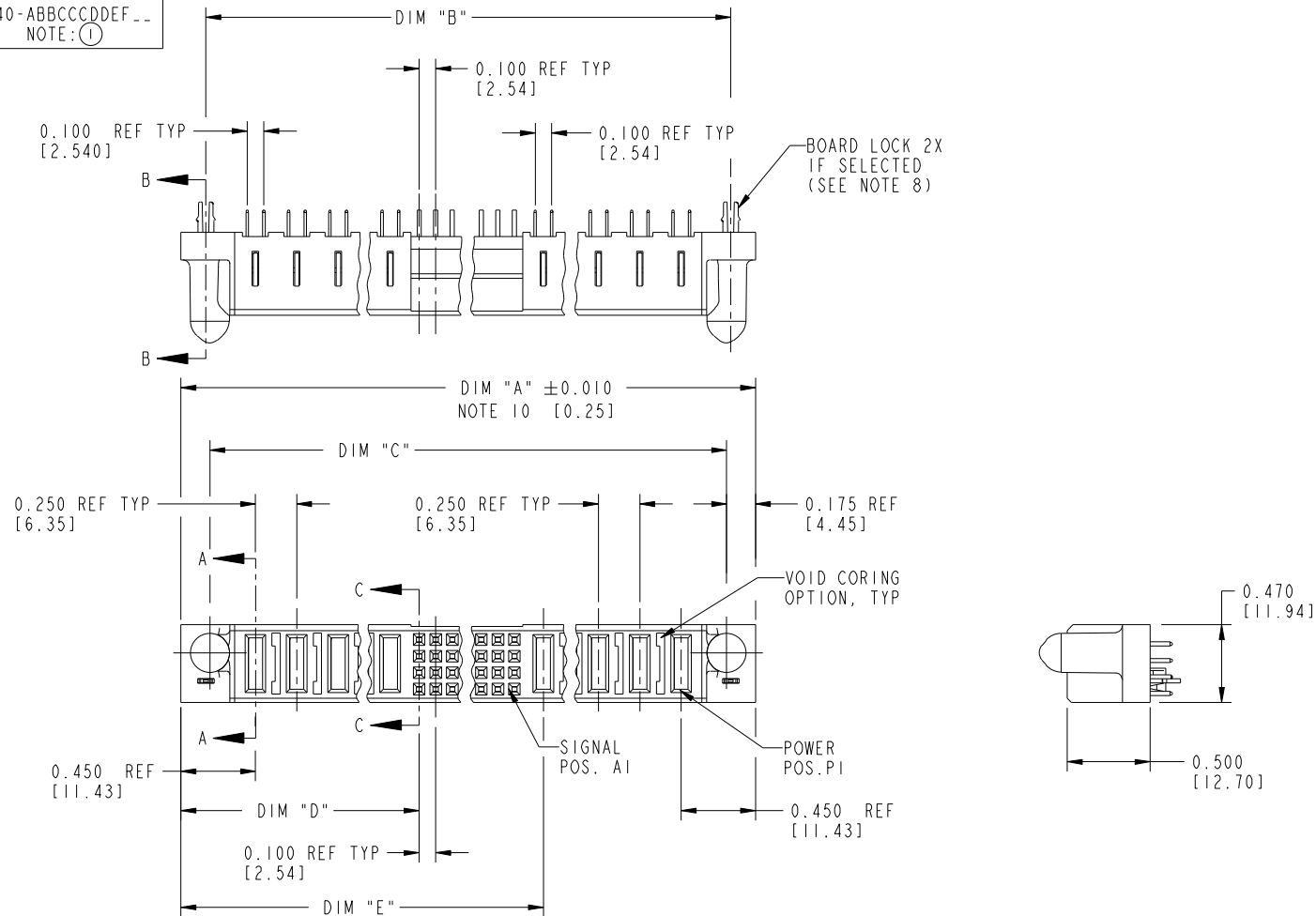


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PRODUCT NUMBER
51740-ABBCCDDEF--
NOTE: ①



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

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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			.XX±.01/0.X±0.3		COPY					
R					linear	.XXX±.005/0.XX±0.13		projection		title VERTICAL RECEPTACLE w/GUIDE PIN POWER / SIGNAL / POWER			
						.XXX±.0020/.XXX±.051							
					angles	0°±2°							
					dr	D. EATON 05-25-99							
					enrg	RYAN YUAN 11/08/06							
					chr	J. BROWN 05-24-99							
					appd	J. BROWN 05-24-99							
sheet index		revision sheet											

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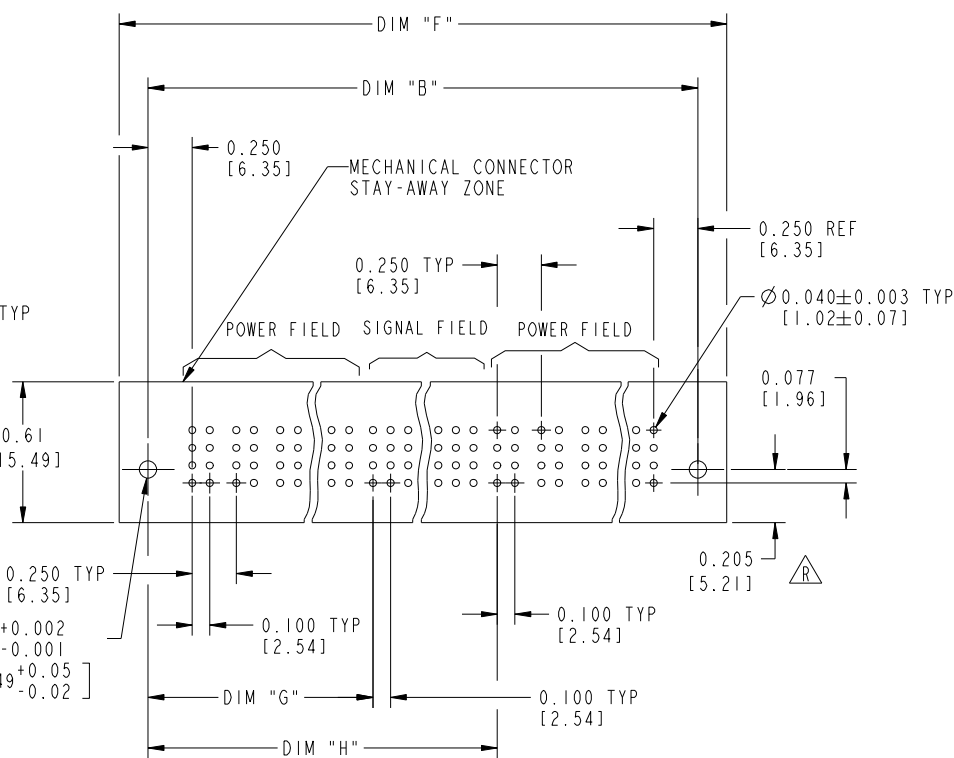
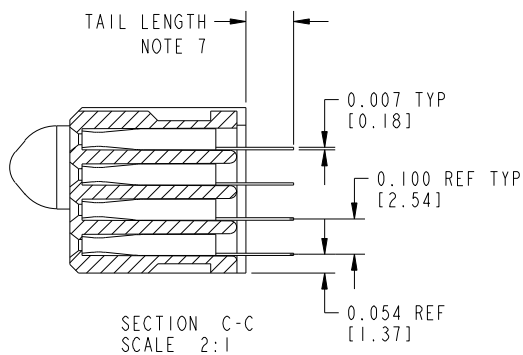
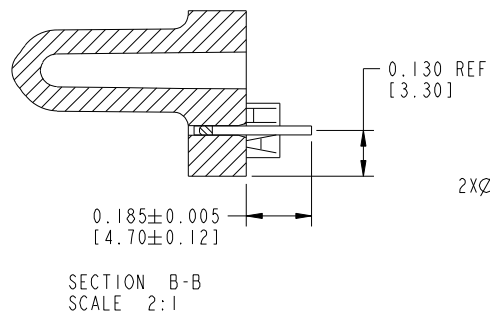
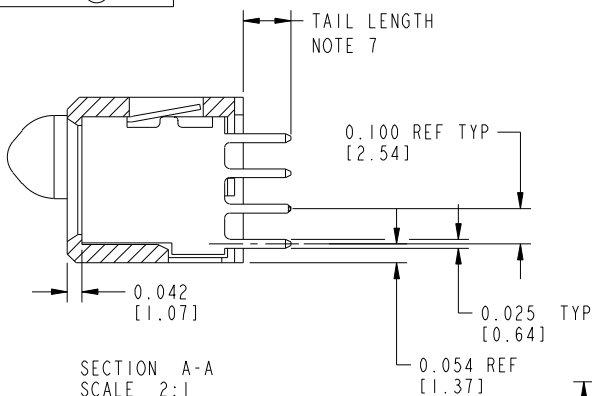
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NOTE: ①



RECOMMENDED PCB LAYOUT

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litr	ecn no.	dr	date	linear		.XX±.01/0.X±0.3		COPY		projection		title	
R						.XXX±.005/0.XX±0.13						VERTICAL RECEPTACLE w/GUIDE PIN	
				angles		.XXX±.0020/.XX±.051						POWER / SIGNAL / POWER	
				dr	D. EATON	05-25-99						product family	PwrBlade
				engr	RYAN YUAN	11/08/06						size	213
				chr	J. BROWN	05-24-99						dwg no	51740
				appd	J. BROWN	05-24-99						scale	3 of 3
sheet index	revision sheet												

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