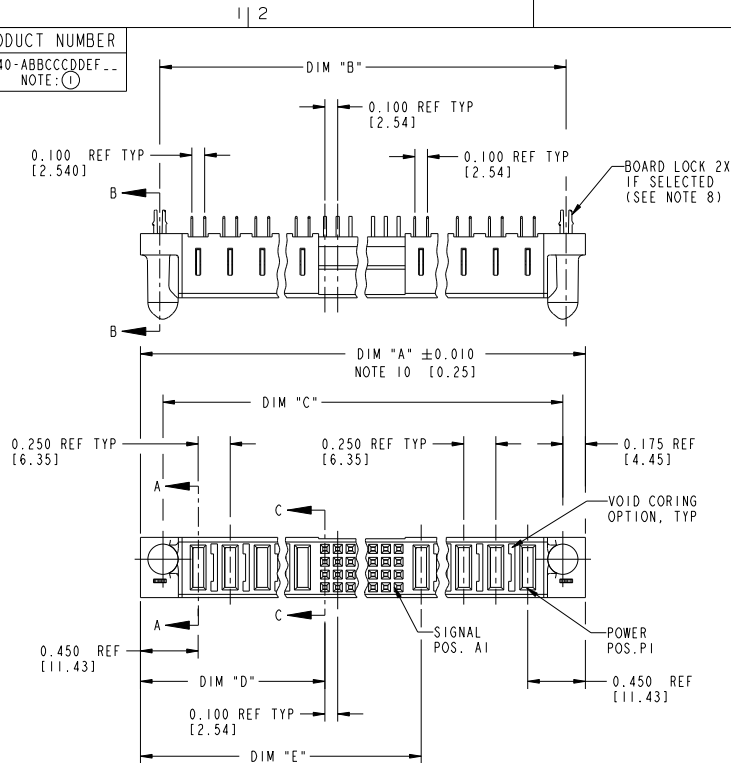


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PRODUCT NUMBER
51740-ABBCCDEF...
NOTE: ①



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	con 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.XXX±0.13					
M	DG05-0485	GUOJM	11/21/05	angles		.XXXX±.0020/.XXXX±.051		INCH/MM		product family	code
N	DG06-0362	JULIA	08/30/06	dr		D. EATON 05-25-99		scale		PwrBlode	213
P	DG08-0239	JC	09/11/08	engr		RYAN YUAN 11/08/06				size	sheet
R	DG10-0318	AL	09/03/10	chr		J. BROWN 05-24-99				dwg no	1 of 3
				appd		J. BROWN 05-24-99					
sheet	revision	R	R	R							
index	sheet	1	2	3							

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code code 22526

PDM: Rev:R

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PRODUCT NUMBER
51740-ABBCCDDEF...
NOTE: (1)

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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]

3

4

CONNECTOR NOTES

- PRODUCT NUMBER CODE:
51740 - A BB CCC DD E F LF
NO THIS SUFFIX: 100u"/2.54um Sn Pb 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-0 HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
POWER CONTACT MATERIAL: COPPER ALLOY
 - PLATING OPTION:
1 - SEE PRINT 10064183 FOR PLATING SPEC OF 51740-1BBCCDDEF; 51740-1BBCCDDEF
 - 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, -0.03] 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 6S-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 [0.10]
 - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
 - 0.0453 ± .001 [1.151 ± .02] DRILLED HOLES PLATED WITH 0.0003 [0.007] MIN Sn Pb OVER 0.001 [0.03] TO .003 [0.08] PLATING TO ACHIEVE A .040 ± .003 [1.02 ± .08] HOLE.
 - A Δ 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				www.fciconnect.com		
lfr	ecn no.	dr	date	linear	.XX± .01/0.XX± 0.3			COPY					title	
R					.XXX± .005/0.XX± 0.13								VERTICAL RECEPTACLE w/GUIDE PIN	
					.XXX± .002/0.XXX± .051								POWER / SIGNAL / POWER	
				angles	0° ± 2°									
				dr	D. EATON 05-25-99			INCH/MM		product family		PwrBlade code		
				eng	RYAN YUAN 11/08/06			scale		size		213		
				chr	J. BROWN 05-24-99			1:1		dwg no		sheet		
				appd	J. BROWN 05-24-99					A		2 of 3		
sheet index		revision sheet												

1 2

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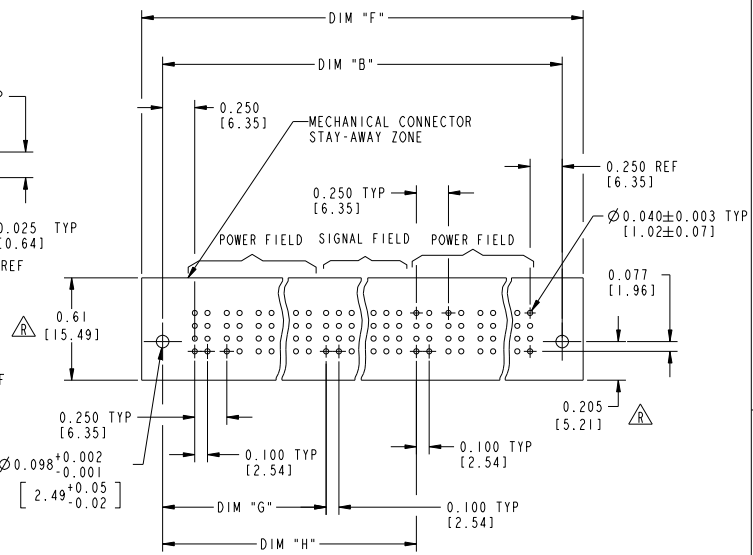
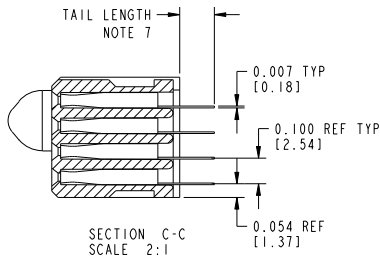
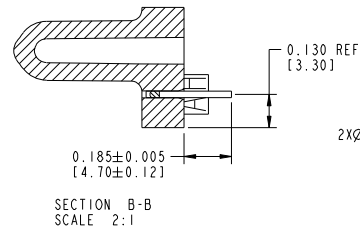
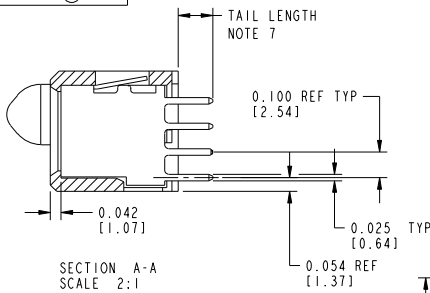
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PRODUCT NUMBER
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NOTE: ①



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCi	
lfr	ecm no.	dr	date	linear		.XX±.01/0.X±0.3		COPY		www.fciconnect.com	
R				linear		.XXX±.005/0.XX±0.13		projection		title	VERTICAL RECEPTACLE w/GUIDE PIN
				angles		.XXX±.00207.XXX±.051				POWER / SIGNAL / POWER	
				dr	D. EATON	05-25-99		INCH/MM		product family	PwrBlade
				engr	RYAN YUAN	11/08/06		scale		size	dwg no
				chr	J. BROWN	05-24-99					51740
				appd	J. BROWN	05-24-99					code
sheet index	revision	sheet									213
											3 of 3

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