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PRODUCT NUMBER
51740-ABBCCDDEF...
NOTE: ①



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		COPY		www.fciconnect.com		
K	DG05-0132	SJ	06/06/05		.XXX±.005/0.XXX±0.13		projection		title VERTICAL RECEPTACLE w/GUIDE PIN POWER / SIGNAL / POWER		
L	DG05-0153	SJ	06/10/05	angles	.XXX±.0020/.XXX±.051		INCH/MM		product family PwrBlade code 213		
M	DG05-0485	GUOJM	11/21/05		0°±2°		scale 1:1		size dwg no 51740 sheet 1 of 3		
N	DG06-0362	JULIA	08/30/06	dr	D. EATON	05-25-99	A		cage code 22526		
P	DG08-0239	JC	09/11/08	enr	RYAN YUAN	11/08/06					
R	DG10-0318	AL	09/03/10	chr	J. BROWN	05-24-99					
				appd	J. BROWN	05-24-99					
sheet index	revision sheet	R	R	R							
		1	2	3							

Pro/E

cage code 22526

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51740-ABBCCDDDEF..
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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-IBBCCDDDEF; 51740-IBBCCDDDEF 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, -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 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 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		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX ± .01 / 0.XX ± 0.3	projection	COPY	title			
R					.XXX ± .005 / 0.XX ± 0.13			VERTICAL RECEPTACLE w/GUIDE PIN			
				angles	.XXX ± .0020 / .XXX ± .051			POWER / SIGNAL / POWER			
				dr	0° ± 2°			product family	PwrBlade	code	213
				enr	D. EATON 05-25-99	INCH/MM		size	dwg no	sheet	2 of 3
				chr	RYAN YUAN 11/08/06	scale		51740			
				appd	J. BROWN 05-24-99	1:1	A				
sheet index	revision sheet										

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ltr	ecm no.	dr	date	linear	.XX±.01/0.XX±0.3	COPY		projection		title VERTICAL RECEPTACLE w/GUIDE PIN POWER / SIGNAL / POWER	
R				angles	.XXX±.005/0.XX±0.13	INCH/MM					
				dr	.XXX±.0020/.XXX±.051	scale		product family		code	
				enr	0°±2°	1:1		PwrBlade		213	
				chr				size		sheet	
				appd				dwg no		3 of 3	
sheet index		revision sheet						51740			

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cage code 22526

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