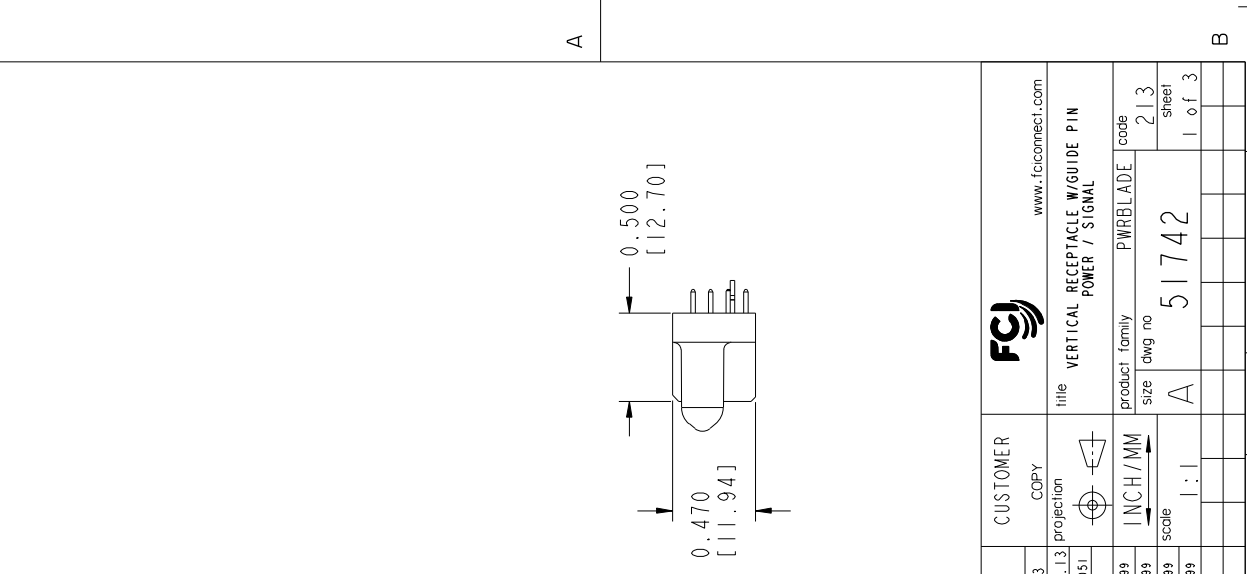


PRODUCT NUMBER  
51742-ABBCCC00EF--  
NOTE: ①

0.100 REF TYP [2.54]  
0.100 REF TYP [2.54]  
DIM "B"  
0.100 REF TYP [2.54]  
BOARD LOCK 2X IF SELECTED (SEE NOTE 8)

DIM "A" ±0.10 [±0.25]  
NOTE 10  
DIM "C"  
0.250 REF TYP [6.35]  
VOID CORING OPTION, TYP SEE NOTE 17  
0.375 REF [9.53]  
0.100 REF TYP [2.54]  
DIM "E"  
0.450 REF [11.43]  
DIM "A" ±0.10 [±0.25]  
0.175 REF [4.45]  
0.470 [11.94]  
0.500 [12.70]



mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecm no.	dr	date			copy	projection	title	www.fciconnect.com
H	DG05-0132	SJ	06/02/05	linear	.XX±.01/0.X±0.3			VERTICAL RECEPTACLE W/GUIDE PIN	
J	DG05-0153	SJ	06/10/05	angles	.XXX±.005/0.XX±0.13			POWER / SIGNAL	
K	DG06-0362	JULIA	08/30/06	angles	.XXX±.002/0.XXX±.051				
L	DG08-0239	JC	09/11/08	dr	0°±2°				
				enrg	D. EATON	05-25-99		product family	PWRBLADE
				chr	J. BROWN	05-24-99		size	2.3
				appd	J. BROWN	05-26-99		dwg no	51742
sheet index	revision sheet	L	L	L	L	L	L	scale	1:1
		1	2	3				sheet	1 of 3
								code	22526
								cage code	22526

1 | 2 | 3 | 4

Pro/E

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PRODUCT NUMBER  
51742-ABBCCC00EF--  
NOTE: ①

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: 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)  
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-0 HIGH TEMP THERMO PLASTIC.  
SIGNAL CONTACT MATERIAL: COPPER ALLOY  
POWER CONTACT MATERIAL: COPPER ALLOY
- PLATING OPTION:  
SEE PRINT 10064183 FOR PLATING SPEC OF 51742-1BBC000EF; 51742-1BBC000EFLF
- 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:  
13. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.  
14. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004 [0.01]  
15. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.  
16. 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.  
17. 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.  
18. A Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.



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mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
lfr	ecrn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY	title		VERTICAL RECEPTACLE W/GUIDE PIN	
L				angles	.XXX±.005/0.XXX±0.13	0° ± 2°		product family		PWRBLADE	
				dr	.XXXX±.002/0.XXX±.051			size		2.3	
				enrg	D. EATON 05-25-99			dwg no		51742	
				chr	J. BROWN 05-24-99			scale		A	
				appd	J. BROWN 05-26-99			sheet		2 of 3	
sheet index	revision	sheet						code		22526	

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Pro/E

