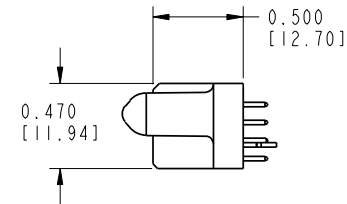
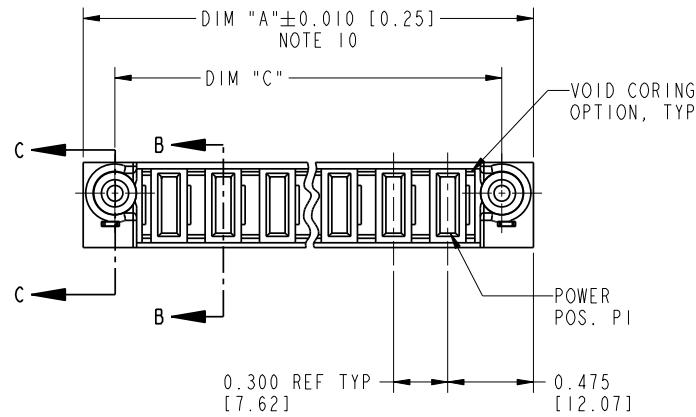
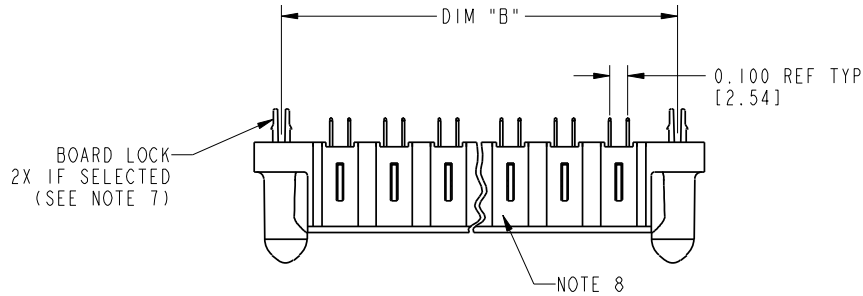


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PRODUCT NUMBER
SEE NOTE 1



mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
lir	ecn no.	dr	date	linear	angles	dr	enrg	chr	appd	projection	title
A	V02363	EKK	09/28/00	linear		C. DAILY	J. DODDS	J. DODDS	J. DODDS	projection	VERTICAL RECEPTACLE w/ GUIDE PIN
B	V10970	CGD	03/05/01			J. DODDS	J. DODDS	J. DODDS	J. DODDS	INCH/MM	0.300 [7.62] POWER SPECIAL
C	DG07-0089	RYAN	03/18/07			J. DODDS	J. DODDS	J. DODDS	J. DODDS	scale	product family
										1:1	PwrBlade
											size
											dwg no
											code
											213
											sheet
											1 of 3
sheet index	revision	C	C	C							
	sheet	1	2	3							

Pro/E

cage code 22526

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PRODUCT NUMBER		DIM	LENGTH FORMULAS (SEE NOTE 9)	
SEE NOTE 1		DIM "A"	0.300 [7.62] X BB + 0.650 [16.51] (NOTE 9)	
		DIM "B"	0.300 [7.62] X BB + 0.350 [8.89]	
		DIM "C"	0.300 [7.62] X BB + 0.300 [7.62]	
		DIM "F"	0.300 [7.62] X BB + 0.680 [17.27]	

CONNECTOR NOTES:

①. PRODUCT NUMBER CODE:
51816 - A BB 000 00 E F LF
W/O THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE
WITH THIS SUFFIX: 78u"/1.98um Sn OR 5u"/0.13um Au ON PCB INTERFACE
RETENTION TO PCB (NOTE 7)
TAIL OPTIONS (NOTE 6)
ALWAYS '00' (ZERO,ZERO)
ALWAYS '000' (ZERO,ZERO,ZERO) (NOTE 5)
NUMBER OF POWER CONTACTS (NOTE 4)
PLATING (NOTE 3)
BASE NUMBER
PRODUCT NUMBERING CODE FOR SELECT LOAD/FMLB PART NUMBERS:
51816 - XXX LF
W/O THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE
WITH THIS SUFFIX: 78u"/1.98um Sn OR 5u"/0.13um Au ON PCB INTERFACE
SEQUENCE NUMBER
BASE NUMBER

SEE PRODUCT SPECIFIC DRAWINGS 51816-XXX FOR SELECT LOAD/FMLB PRODUCT INFORMATION.

②. HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH TEMP THERMOPLASTIC
POWER CONTACT MATERIAL: COPPER ALLOY

③. PLATING FOR POWER TERMINALS:
1 = 50u"/1.27um Ni UNDER OVERALL, 30u"/0.76um Au ON CONTACT AREA, 100u"/2.54um SnPb OR 78u"/1.98um Sn ON PCB INTERFACE
3 = 50u"/1.27um Ni UNDER OVERALL, 30u"/0.76um Au ON CONTACT AREA, 5u"/0.13um Au ON PCB INTERFACE

④. POWER CONTACT, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.

⑤. THIS PART IS NOT AVAILABLE WITH SIGNAL CONTACTS.

⑥. TAIL OPTIONS:
A = 0.135±.010 [3.43±.25] SOLDER TO BOARD AS SHOWN
C = 0.135±.010 [3.43±.25] PRESS FIT

⑦. RETENTION TO PCB OPTIONS:
A = BOARD LOCK (SHOWN) REQUIRES Ø0.098 +0.002/-0.001 [Ø2.49 +0.05/-0.03] THRU HOLE IN PCB (NOT AVAILABLE WITH PRESS-FIT)
BOARD LOCK TO BE USED IN CONJUNCTION WITH A 0.092 [2.34] PCB OR THICKER.
C = NO RETENTION FEATURE (ALL PRESS-FIT)

⑧. MANUFACTURER'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE AS PER BUS-24-017.

⑨. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2].

10. PRODUCT SPECIFICATION GS-12-149 PCB INTERFACE

11. REFERENCE 51698 FOR SPECIALS WORKSHEET.

PCB NOTES:

12. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.

13. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10]

14. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE

15. Ø0.0453±0.0010 [1.151±0.025] DRILLED HOLES PLATED WITH 0.0003 [0.008] MIN SnPb OR Sn OVER 0.001 [0.03] TO 0.003 [0.08] Cu PLATING TO ACHIEVE A Ø0.040±0.003 [1.02±0.07] HOLE.

mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		CONFIDENTIAL	
litr	ecn no.	dr	date	linear	angles	dr	enrg	chr	appd	projection	title
C					0°±2°	C. DAILY	J. DODDS	J. DODDS	J. DODDS	INCH/MM	VERTICAL RECEPTACLE w/ GUIDE PIN 0.300 [7.62] POWER SPECIAL
						03/05/01	03/05/01	03/05/01	03/05/01	scale	product family PwrBlade
										1:1	code 213
											sheet 2
sheet index	revision	sheet									

sheet index		revision		sheet		Pro/E		3		cage code 22526		4	

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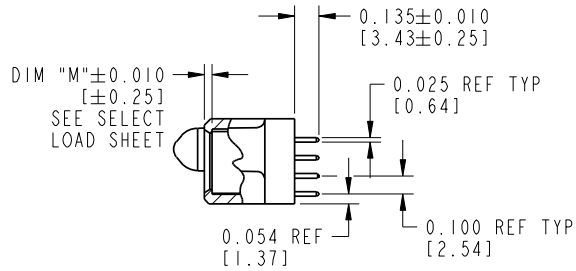
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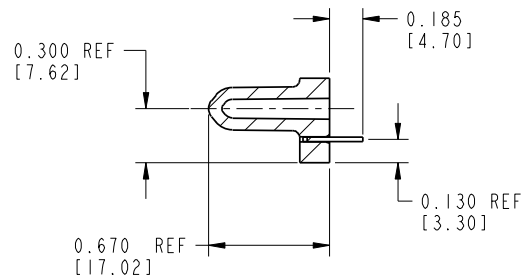


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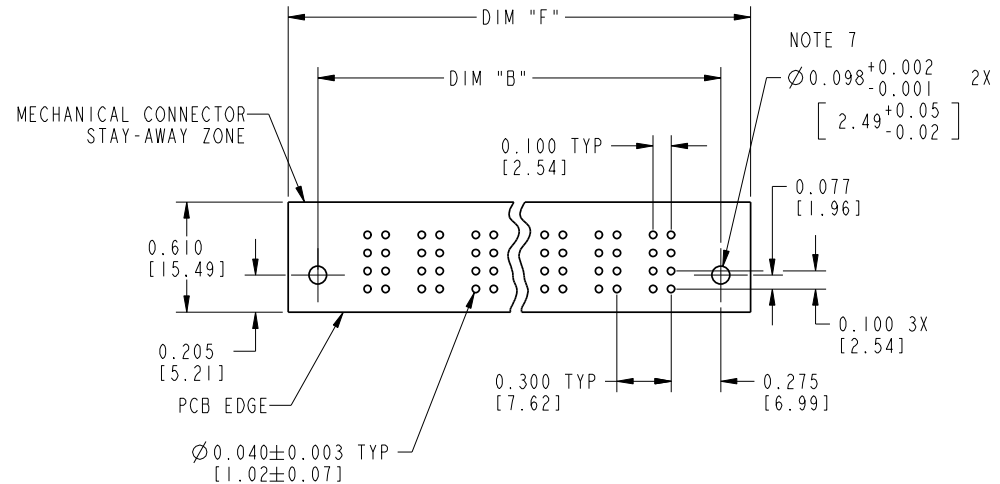
PRODUCT NUMBER
SEE NOTE 1



SECTION B-B



SECTION C-C



RECOMMENDED PCB LAYOUT

mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
litr	ecn no.	dr	date	linear	angles	dr	enrg	chr	appd	projection	title
C				.XX±.01/0.X±0.3	0°±2°	C. DAILY	J. DODDS	J. DODDS	J. DODDS	INCH/MM	VERTICAL RECEPTACLE w/ GUIDE PIN 0.300 [7.62] POWER SPECIAL
				.XXX±.005/0.XX±0.13		03/05/01	03/05/01	03/05/01	03/05/01	scale	product family PwrBlade
				XXX±.0020/.XXX±.05						1:1	size A
											dwg no 51816
											code 213
											sheet 3
sheet index	revision sheet										

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