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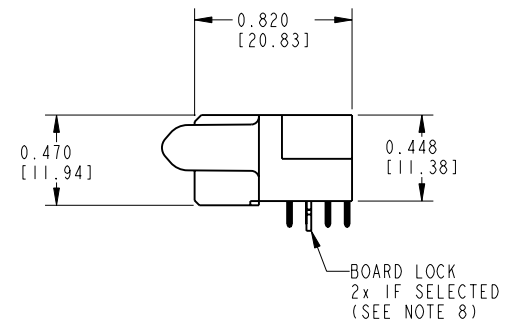
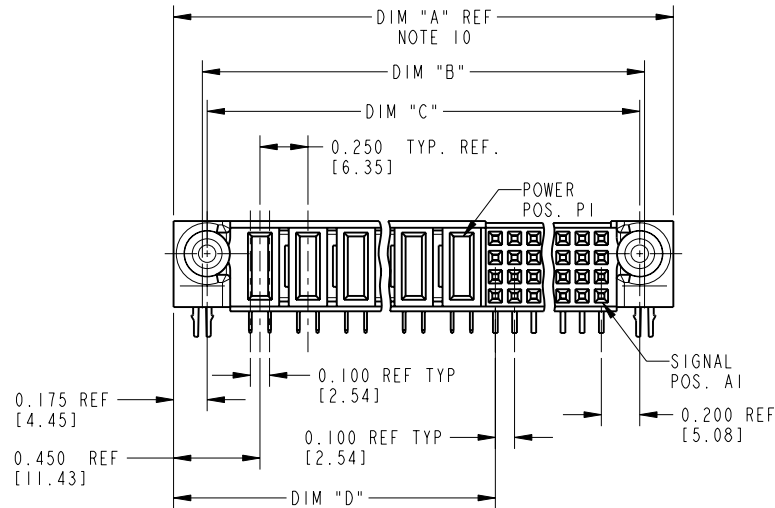
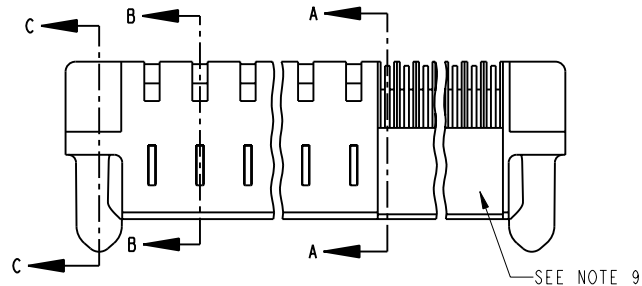
A
FCI

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A

B

PRODUCT NUMBER
51771-001--
NOTE: 3



A

B

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mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	.XX±.01/.X±.3		COPY			title	
A	V02389	JRW	10-05-00		.XXX±.005/.XX±.13		projection			28S + 12P	
B	V00581	LSS	06/13/01		.XXX±.0020/.XXX±.051					R/A RECEPTACE w/ GUIDE PIN	
C	V21513	TAB	10/04/02	angles	0°±2°		INCH/MM			product family	code
D	DG05-0530	GuoJM	12/12/05	dr	C .BAROT	06-13-00	size	family		PwrBlade	213
				engr	J. BROWN	06-13-00	dwg no				sheet
				chr	J. BROWN	06-13-00	scale				1 of 3
				appd	J. BROWN	06-13-00	1:1		A	51771	
sheet index		revision sheet		D	D						
				1	2	3					

Pro/E

3

cage code 22526

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PDM: Rev:D

STATUS: Released

Printed: Dec 20, 2010

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PRODUCT NUMBER		DIM		LENGTH FORMULAS (SEE NOTE 10)											
51771-001-- NOTE: 3		DIM "A"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .650 [16.51] (NOTE 10)											
		DIM "B"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .350 [8.89]											
		DIM "C"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .300 [7.62]											
		DIM "D"		.250 [6.35] x DD + .375 [9.35]											
		DIM "F"		.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .680 [17.27]											
		DIM "G"		.250 [6.35] x DD + .225 [5.72]											
CONNECTOR NOTES															
1. PRODUCT NUMBER CODE: FOR SELECT LOAD PART NUMBERS: 51771 - YYY -- ON THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE. ADD THIS SUFFIX: 78u"/2.00um Sn OR 5u" Au ON PCB INTERFACE. SEQUENCE NUMBER (SEE NOTE 12) BASE NUMBER															
2. HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC. SIGNAL CONTACT MATERIAL: COPPER ALLOY POWER CONTACT MATERIAL: COPPER ALLOY															
3. PLATING: 51771-YYY Singal Pin: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA. AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION. Power Pin: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA, AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION. 51771-YYLF Singal Pin: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA. AND 78u"/2.00um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION. Power Pin: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA, AND 78u"/2.00um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION. PART NUMBER 51771-YYLF MEETS EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008. THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A CIRCUIT BOARD.															
4. THIS PART IS NOT AVAILABLE WITH RIGHT SIDE POWER CONTACTS.															
5. SIGNAL CONTACTS, 004 TO 148 AVAILABLE.															
6. LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE. MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR															
7. TAIL OPTIONS: 0.135 ±0.010 [3.43 ±0.25] SOLDER TO BOARD OR 0.090 +0.005 / -0.010 [2.29 +0.13 / -0.25] SOLDER TO BOARD															
8. RETENTION TO PCB OPTIONS: BOARD LOCK (REQUIRES 0.098 +0.002/-0.001 [2.49 +0.05/-0.03] THRU HOLE IN PCB MOUNTING FOOT HEIGHT: 0.220 [5.59] OR 0.150 [3.81] THRU HOLE (REQUIRES 0.158 ±0.003 [4.01 ±0.08] THRU HOLE IN PCB). MOUNTING FOOT HEIGHT 0.160 [4.06]															
9. MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.															
10. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2]															
11. PRODUCT SPECIFICATION GS-12-149 APPLICATION SPECIFICATION BUS-20-067															
12. REFERENCE 51699 FOR SPECIALS WORKSHEET SEE PRODUCT SPECIFIC DRAWING 51771-YYY FOR SELECT LOAD/FMLB INFORMATION.															
PCB NOTES: 13. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED. 14. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10] 15. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE. 16. Ø 0.0453 +/-0.001 [1.151 ±0.02] DRILLED HOLES PLATED WITH 0.0003 [0.007] MIN SnPb OVER 0.001 [1.03] TO 0.003 [0.08] Cu PLATING TO ACHIEVE A 0.040 ±0.003 [1.02 ±0.08] HOLE.															
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mat'l code SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER		A FCI www.fciconnect.com					
lfr		ecn no.		dr		date		COPY		title		product family		code	
D								projection		28S + 12P R/A RECEPTACE w/ GUIDE PIN		PwrBlade		213	
								linear .XX±.01/.X±.3 .XXX±.005/.XX±.13 .XXXX±.0020/.XXX±.051		product family		PwrBlade		code	
								angles 0°±2°		size		dwg no		sheet	
								dr C .BAROT 06-13-00		INCH/MM		51771		2 of 3	
								engr J. BROWN 06-13-00		scale					
								chr J. BROWN 06-13-00		1:1					
								appd J. BROWN 06-13-00							
sheet index		revision sheet													

1 | 2

Pro/E

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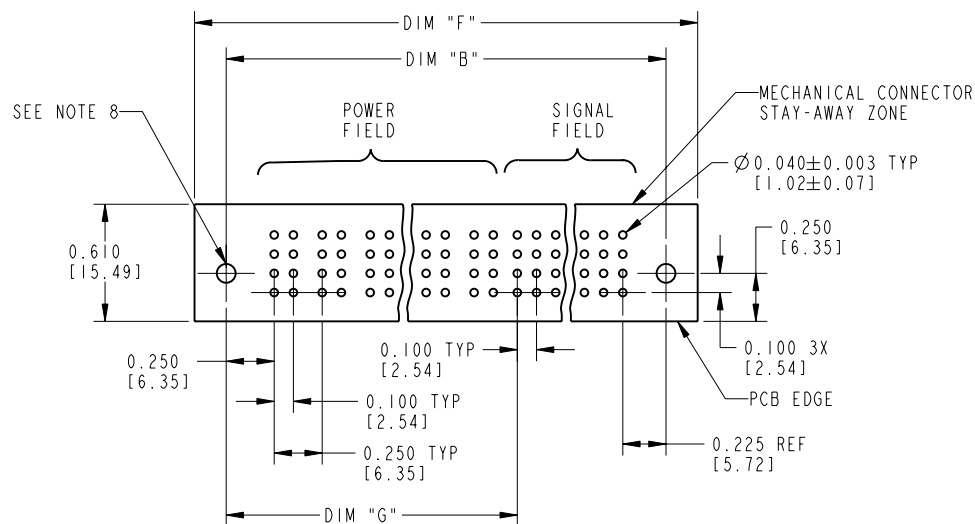
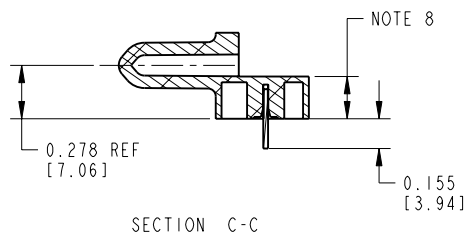
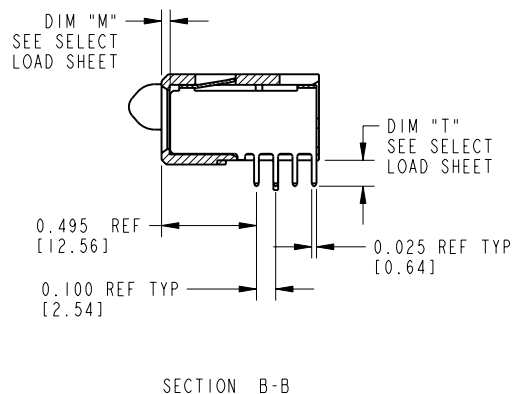
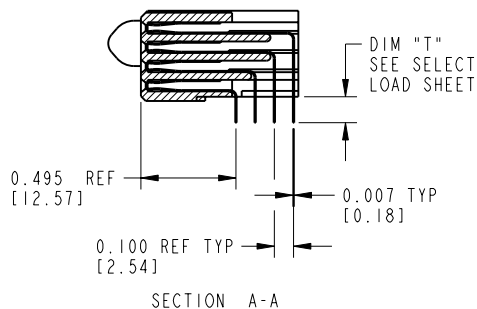
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PRODUCT NUMBER

51771-001__

NOTE: 3



RECOMMENDED PCB LAYOUT

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mat'l code				tolerances unless otherwise specified		CUSTOMER		A FCI		www.fciconnect.com	
lfr	ecn no.	dr	date	linear	.XX±.01/.X±.3	COPY	projection	title	28S + 12P	R/A RECEPTACE w/ GUIDE PIN	
D				angles	.XXX±.005/.XX±.13			product family	PwrBlade	code	213
				dr	C .BAROT 06-13-00	INCH/MM		size	dwg no	51771	sheet
				enqr	J. BROWN 06-13-00	scale	1:1	A			3 of 3
				chr	J. BROWN 06-13-00						
				appd	J. BROWN 06-13-00						
sheet index	revision sheet										

Pro/E

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cage code 22526

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