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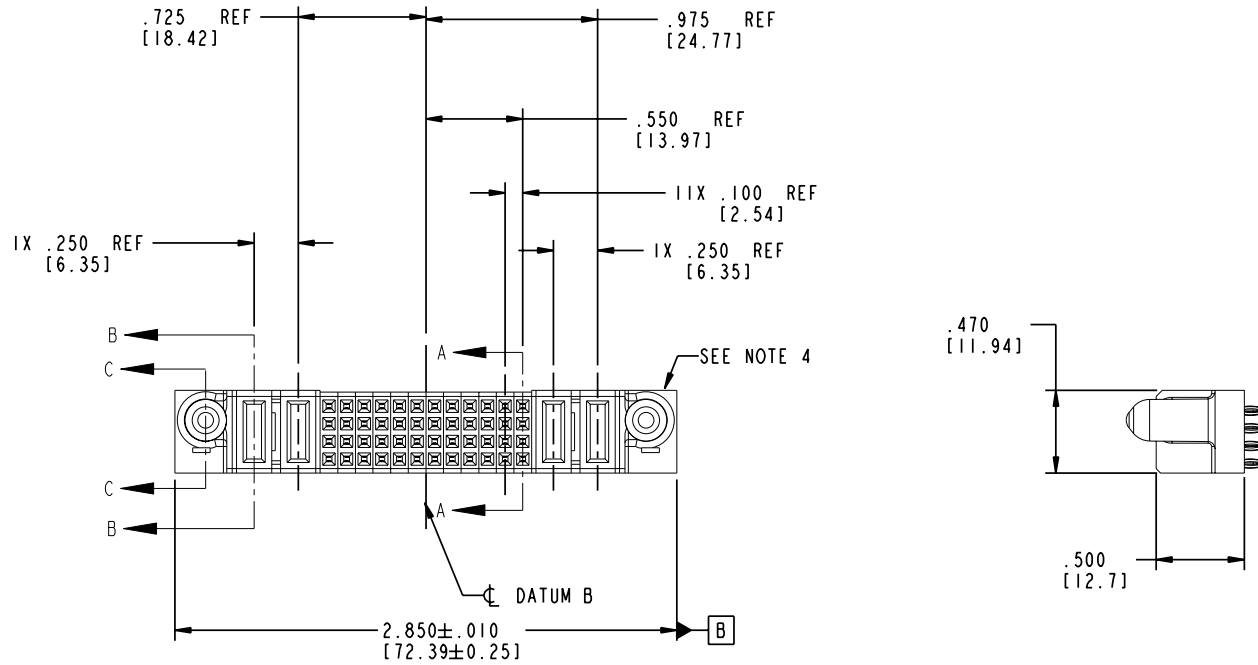
A
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B

CODE	DIM "M" MATING LENGTH	CONTACT TYPE
F	N/A [N/A]	SIGNAL
PC	.042 [1.07]	POWER
PF	.092 [2.34]	POWER

PRODUCT NO.	ROWS	POWER			SIGNAL																POWER		
		E2	P4	P3	12	11	10	9	8	7	6	5	4	3	2	1	P2	P1	E1				
51750-031-- NOTE: ③	D C B A		 PF	 PC	F	F	F	F	F	F	F	F	F	F	F	F	F	F	 PF	 PC			



mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				A FCI www.fciconnect.com			
ltr	ecn no.	dr	date	linear	linear	linear	linear	linear	linear	linear	linear	projection	projection	projection	projection	title	product family	size	dwg no
A	V20986	JWS	06-04-02		.XX±.01/0.X±0.3											2P + 48S + 2P	PwrBlade		
B	DG05-0212	SJ	07/07/05		.XXX±.005/0.XX±0.13											VERT. PRESS-FIT RECEPT.			
					.XXX±.0020/0.XX±0.051														
				angles	0°±2°														
				dr	J. SHAFFER	06-04-02													
				enr	M. MOSTOLLER	06-04-02													
				chr	M. MOSTOLLER	06-04-02													
				appd	M. MOSTOLLER	06-04-02													
sheet index	revision	B	B	B	B														
	sheet	1	2	3	4														

Pro/E

PDM: Rev:B

STATUS:Released

Printed: Dec 20, 2010

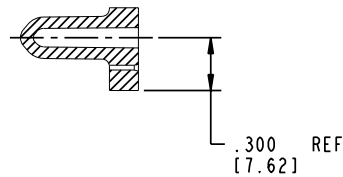
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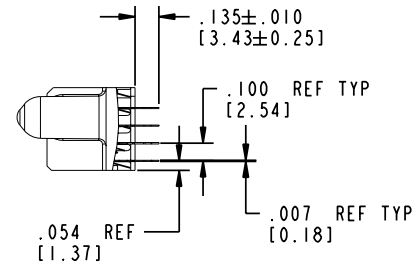
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PRODUCT NUMBER

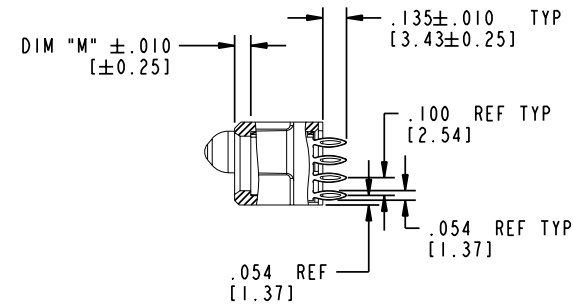
51750-031..
NOTE: ③



SECTION C-C



SECTION A-A



SECTION B-B

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	projection	dr	engr	chr	appd	product family	code
B				linear	projection	J. SHAFFER	M. MOSTOLLER	M. MOSTOLLER	M. MOSTOLLER	PwrBlade	213
				linear	projection	06-04-02	06-04-02	06-04-02	06-04-02	size	sheet
				linear	projection	06-04-02	06-04-02	06-04-02	06-04-02	51750-031	2
				linear	projection	06-04-02	06-04-02	06-04-02	06-04-02	scale	
				linear	projection	06-04-02	06-04-02	06-04-02	06-04-02	1:1	
sheet index	revision	sheet								cage code	
										22526	

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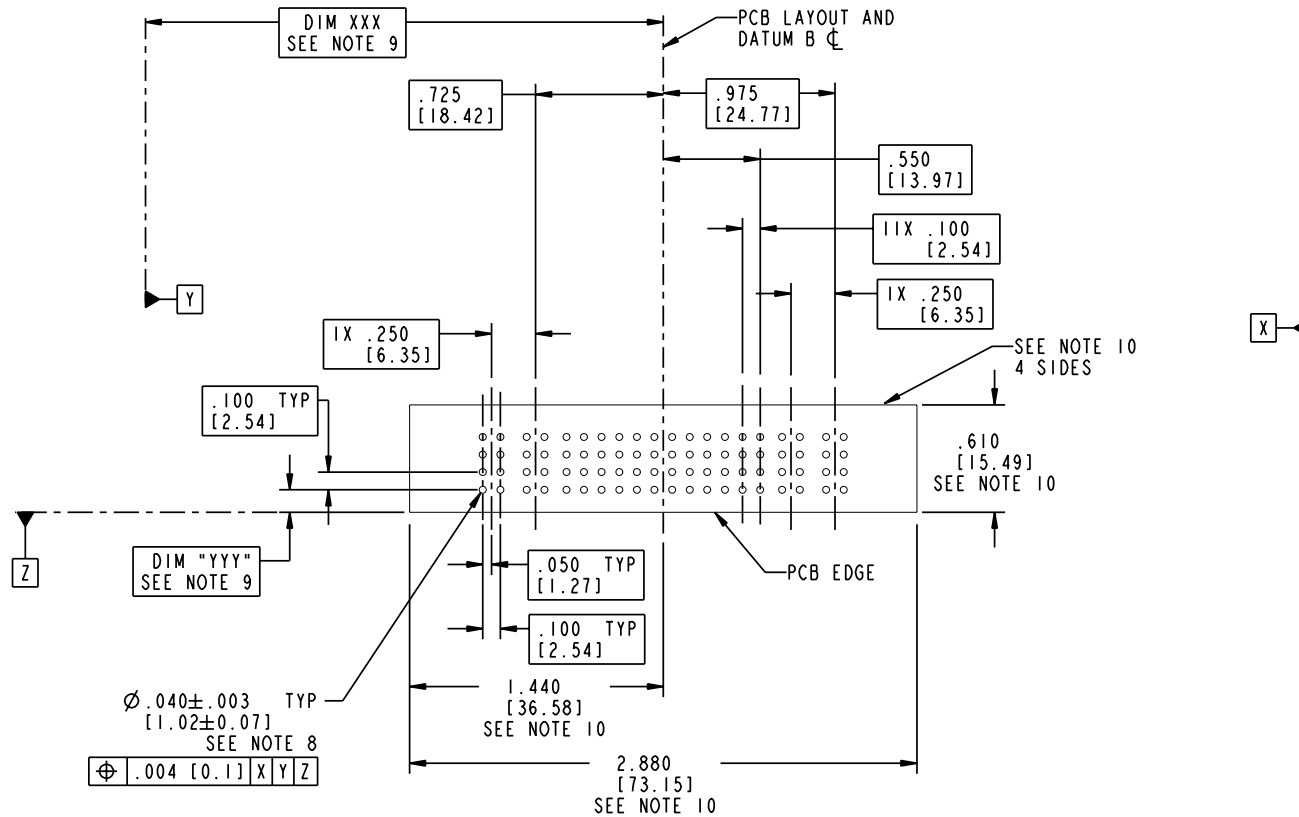
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PRODUCT NUMBER

51750-031..
NOTE: ③



mat'l code				tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	XX±.01/0.X±0.3	COPY	projection	title	2P + 48S + 2P
B				linear	.XXX±.005/0.XX±0.13			VERT. PRESS-FIT RECEPT.	
				angles	XXXX±.0020/0.XXX±0.051			product family	PwrBlade
				dr	J. SHAFFER 06-04-02	INCH/MM		size	213
				enr	M. MOSTOLLER 06-04-02	scale		dwg no	3
				chr	M. MOSTOLLER 06-04-02	1:1		51750-031	
				appd	M. MOSTOLLER 06-04-02				
sheet index	revision								
	sheet								

Pro/E

cage code
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PRODUCT NUMBER

51750-031..
NOTE: ③

NOTES:

1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH
ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.

CONNECTORS NOTES:

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

③ PLATING:

51750-031 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.

51750-031LF 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 51750-031LF 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 MANUFACTURER'S NAME, P/N, AND DATE CODE TO APPEAR ON
THIS SURFACE.

⑤ PRODUCT SPECIFICATION GS-12-149.
APPLICATION SPECIFICATION BUS-20-067.

PCB - NOTES:

6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

7. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

8. $\varnothing .0453 \pm 0.0010$ [1.151 $\pm$ 0.025] DRILLED HOLES PLATED WITH
0.0003 [0.008] MIN SnPb OVER .001 [0.03]
TO .003 [0.08] Cu PLATING TO ACHIEVE
 $\varnothing .040 \pm .003$ [1.02 $\pm$.07] HOLE.

9. "DIM XXX" AND "DIM YYY" TO BE DETERMINED BY THE CUSTOMER.

10. CONNECTOR KEEP-OUT ZONE.]

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ltr		ecn no.		dr		date		linear		.XX+ .01/0.X+0.3		projection		COPY		title			
B										.XXX+ .005/0.XX+0.13						2P + 48S + 2P			
								angles		0° ± 2°						VERT. PRESS-FIT RECEPT.			
								dr		J. SHAFFER 06-04-02		INCH/MM		product family		PwrBlade			
								enrg		M. MOSTOLLER 06-04-02		scale		size		code			
								chr		M. MOSTOLLER 06-04-02		1:1		dwg no		213			
								appd		M. MOSTOLLER 06-04-02				51750-031		sheet			
																4			
sheet index		revision																	
		sheet																	

B

1 | 2

Pro/E

3 |

cage code 22526

4

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Mouser Electronics

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Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI:

[51750-031LF](#) [51750-031](#)