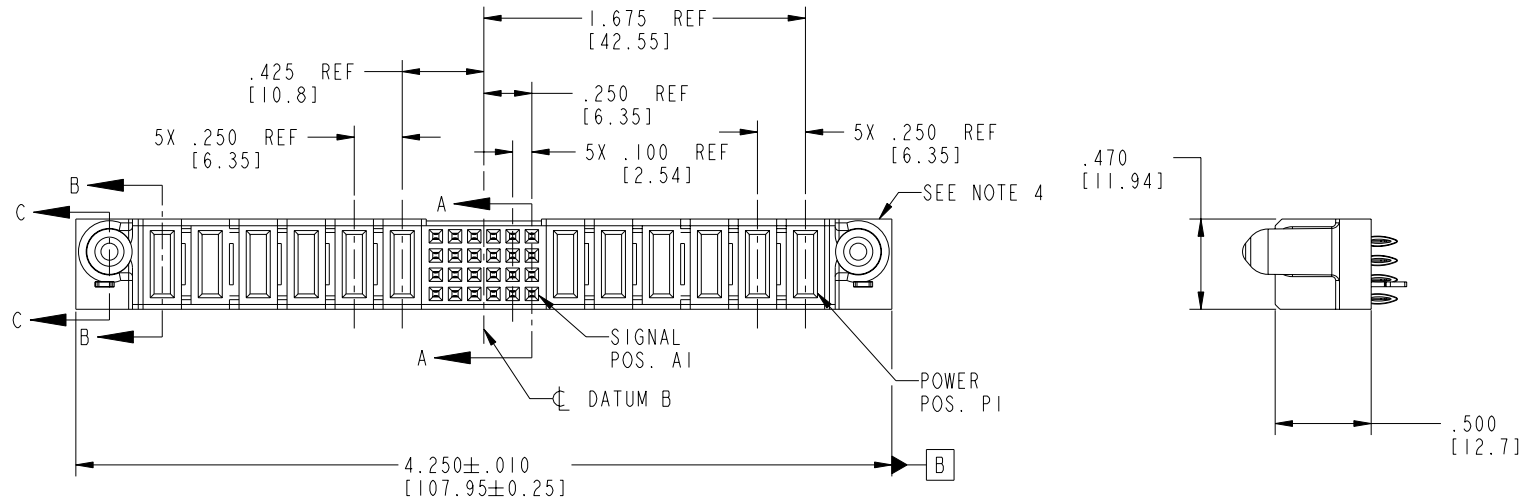


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FCI

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PRODUCT NO.	ROWS	POWER							SIGNAL					POWER							
		E2	P12	P11	P10	P9	P8	P7	6	5	4	3	2	1	P6	P5	P4	P3	P2	P1	E1
51750-046-- NOTE: 3	D C B A																				



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

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com			
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		projection	COPY			title		
A	V03-0365	MEM	4/3/03		.XXX±.005/0.XX±0.13			product family			6P + 24S + 6P		
B	DG05-0300	GuoJM	08/29/05		.XXXX±.0020/0.XXX±0.051			PwrBlade			code		
				angles	0° ± 2°		INCH/MM		size		213		
				dr	M. MOSTOLLER	4/3/03	scale		A		sheet		
				enrg	M. MOSTOLLER	4/3/03	1:1				1 of 4		
				chr	H. BREWBAKER	4/3/03							
				appd	M. MOSTOLLER	4/3/03							
sheet index	revision	B	B	B	B								
	sheet	1	2	3	4								

Pro/E

cage code 22526

PDM: Rev:B

STATUS: Released

Printed: Aug 14, 2007

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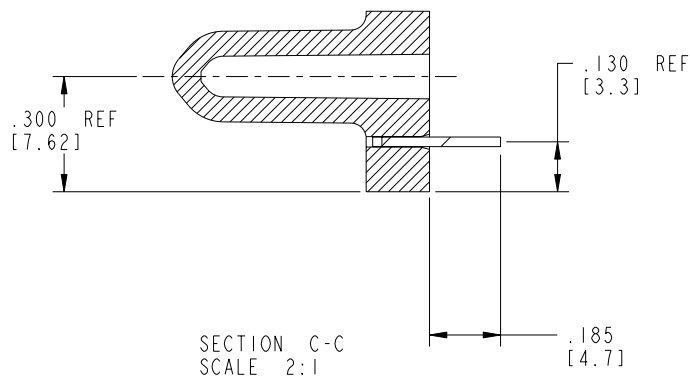
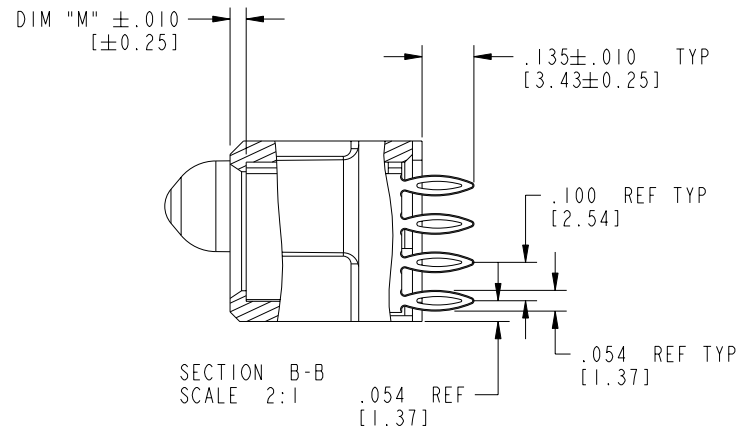
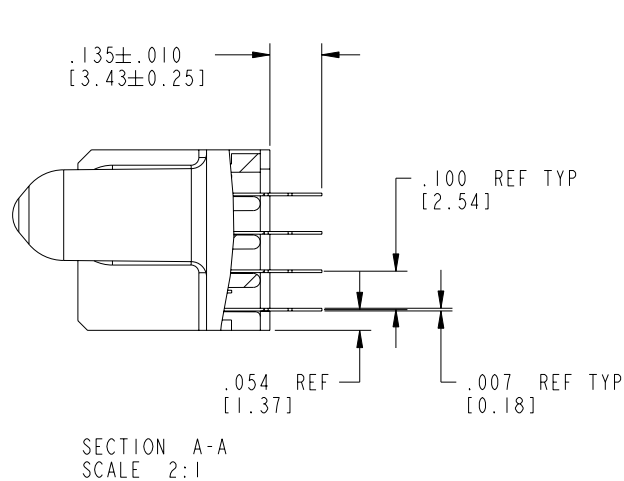
A
FCI

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A

B

PRODUCT NUMBER
51750-046--
NOTE: 3



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com	
ltr	ecn no.	dr	date					COPY			
B				linear		.XX±.01/0.X±0.3		projection		title	6P + 24S + 6P
						.XXX±.005/0.XX±0.13				VERTICAL PRESS-FIT RECEPT	
				angles		.XXX±.0020/0.XXX±0.051				product family	PwrBlade
				dr	M. MOSTOLLER	4/3/03				size	213
				engr	M. MOSTOLLER	4/3/03				dwg no	sheet
				chr	H. BREWBAKER	4/3/03			A	51750-046	2 of 4
				appd	M. MOSTOLLER	4/3/03					
sheet index		revision sheet									

Pro/E

cage code 22526

4

B

PDM: Rev:B

STATUS: Released

Printed: Aug 14, 2007

PRODUCT NUMBER
51750-046__
NOTE: 3

NOTES:

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

CONNECTOR 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:

51750-046 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.

51750-046LF 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 51750-046LF 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.

6. PACKAGED IN TRAYS.

PCB NOTES:

7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

⑧ MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

⑨ $\varnothing .0453 \pm .0010$ [1.151 $\pm$ 0.025] DRILLED HOLES PLATED WITH
.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.

⑩ "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.

⑪ CONNECTOR KEEP-OUT ZONE.

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				FCI www.fciconnect.com				
lfr	ecn no.	dr	date	linear	.XX $\pm$.01 / 0.X $\pm$ 0.3				COPY								title 6P + 24S + 6P			
B					.XXX $\pm$.005 / 0.XX $\pm$ 0.13				projection								VERTICAL PRESS-FIT RECEPT			
					.XXX $\pm$.0020 / 0.XXX $\pm$ 0.051				angles								product family PwrBlade			
				angles	0° $\pm$ 2°				INCH/MM				size				code 213			
				dr	M. MOSTOLLER 4/3/03				scale 1:1				dwg no				sheet 4 of 4			
				enrg	M. MOSTOLLER 4/3/03								A 51750-046							
				chr	H. BREWBAKER 4/3/03															
				appd	M. MOSTOLLER 4/3/03															
sheet index		revision sheet																		