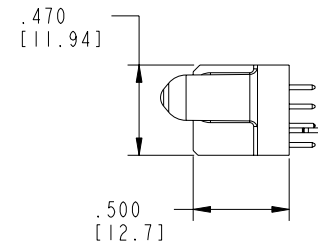
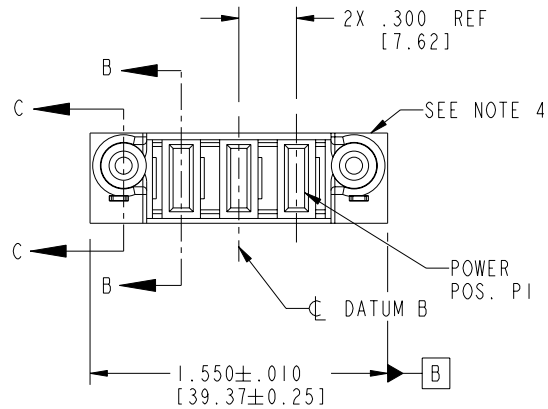


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PRODUCT NO.	POWER				
	E2	P3	P2	P1	E1
51816-001-- NOTE: ③		PA	PD	PA	



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PA	.042 [1.07]	POWER
PD	.092 [2.34]	POWER
HA	N/A [N/A]	HOLD-DOWN

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				<div><div>A</div><div>FCI</div><div>www.fciconnect.com</div></div>			
ltr		ecn no.		dr		date		linear		COPY				<div>projection</div> <div></div> <div>title</div> <div>3ACP</div> <div>VERTICAL SOLDER RECEPT</div>					
A		V10970		CGD		03/05/01				<div>.XX±.01/0.X±0.3</div> <div>.XXX±.005/0.XX±0.13</div>									
B		V03-1324		TAB		12/12/03				<div>.XXXX±.0020/0.XXX±0.051</div>									
C		DG05-0295		CS		08/25/05		angles		<div>0°±2°</div>				<div>INCH/MM</div> <div>scale</div> <div>1:1</div>					
								dr		C. DAILY 03/05/01									
								enrg		J. DODDS 03/05/01									
								chr		J. DODDS 03/05/01									
								appd		J. DODDS 03/05/01									
sheet index		revision sheet		C 1		C 2		C 3		C 4		product family				PwrBlade		code	
				1		2		3		4		size		dwg no		213		sheet	
												A		51816-001		1 of 4			
		</																	

Pro/E

cage code 22526

PDM: Rev:C

STATUS: Released

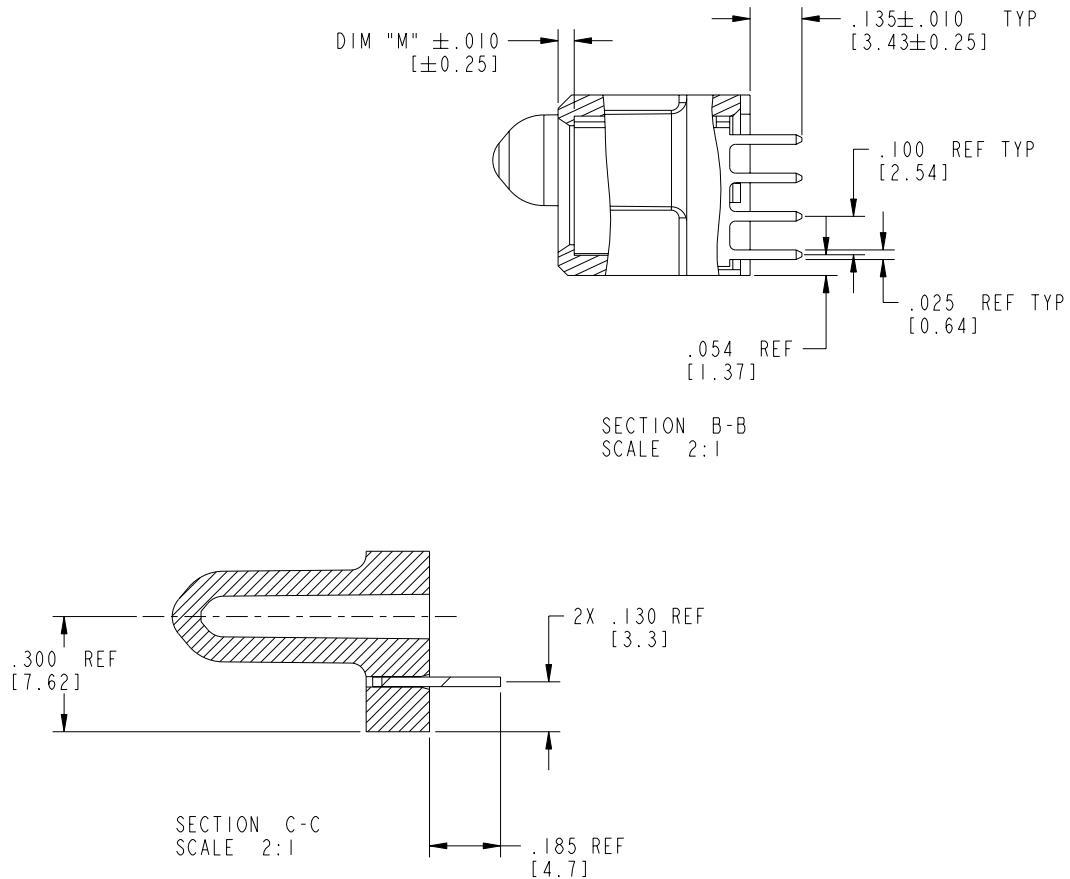
Printed: Dec 20, 2010

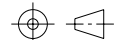

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**A**  
**FCI**

PRODUCT NUMBER  
51816-001--  
NOTE: ③



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		<div><div>A</div><div>FCI</div><div>www.fciconnect.com</div></div>	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		projection		title		
C					.XXX±.005/0.XX±0.13				3ACP		
					.XXXX±.0020/0.XXX±0.051				VERTICAL SOLDER RECEPT		
				angles	0°±2°		INCH/MM		product family		code
				dr	C. DAILY	03/05/01			PwrBlade		213
				enrg	J. DODDS	03/05/01			dwg no		
				chr	J. DODDS	03/05/01			A		51816-001
				appd	J. DODDS	03/05/01			scale		1:1
sheet index		revision sheet									2 of 4

Pro/E

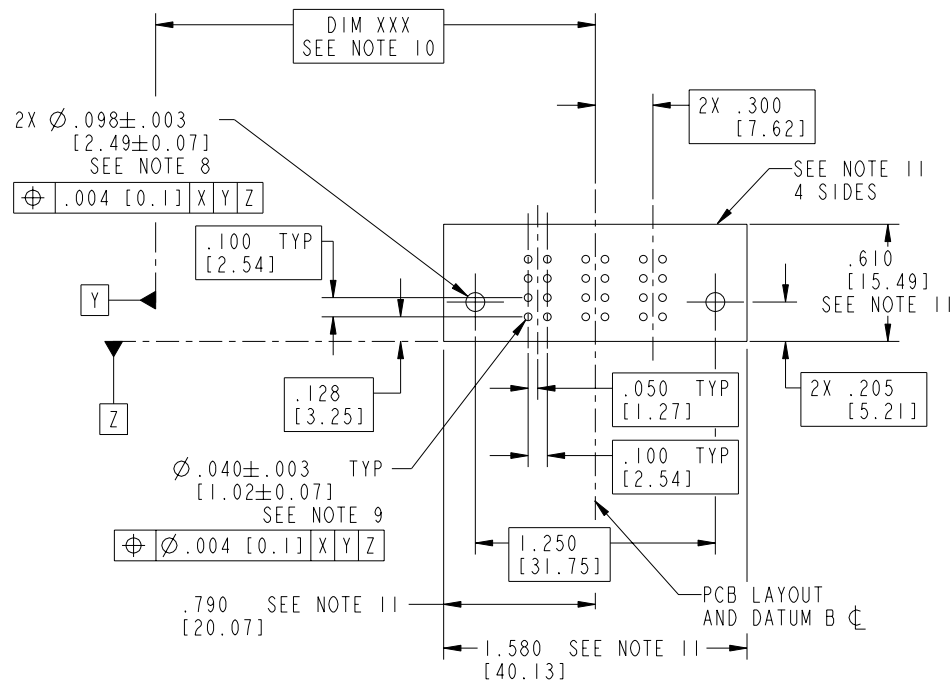
cage code 22526


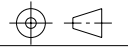
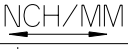
PDM: Rev:C

STATUS: Released

Printed: Dec 20, 2010

PRODUCT NUMBER  
 51816-001--  
 NOTE: ③



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecr no.	dr	date			linear	.XX±.01/0.X±0.3	COPY			
C						linear	.XXX±.005/0.XX±0.13	projection		title	3ACP
						angles	.XXX±.0020/0.XXX±0.051			VERTICAL SOLDER RECEPT	
						dr	C. DAILY 03/05/01	INCH/MM		product family	PwrBlade
						enrg	J. DODDS 03/05/01	scale	1:1	code	213
						chr	J. DODDS 03/05/01			sheet	3 of 4
						appd	J. DODDS 03/05/01				
sheet index	revision sheet										

cage code 22526

Pro/E

PRODUCT NUMBER  
51816-001--  
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:

51816-001 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.

51816-001LF 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 51816-001LF 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:

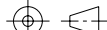

7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

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		<div><div>A</div><div>FCI</div><div>www.fciconnect.com</div></div>			
ltr	ecn no.	dr	date	linear	.XX $\pm$ .01/0.X $\pm$ 0.3		COPY			title			
C					.XXX $\pm$ .005/0.XX $\pm$ 0.13		projection			3ACP			
					.XXX $\pm$ .0020/0.XXX $\pm$ 0.051					VERTICAL SOLDER RECEPT			
				angles	0° $\pm$ 2°								
				dr	C. DAILY	03/05/01	INCH/MM		product family		PwrBlade	code	
				enrg	J. DODDS	03/05/01			size		dwg no	213	
				chr	J. DODDS	03/05/01	scale		A		51816-001	sheet	
				appd	J. DODDS	03/05/01	1:1					4 of 4	
sheet index		revision sheet											

Pro/E

cage code 22526

4

# Mouser Electronics

Authorized Distributor

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