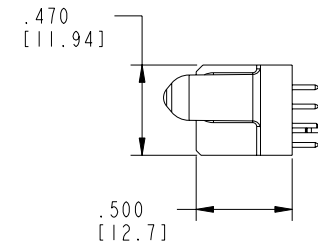
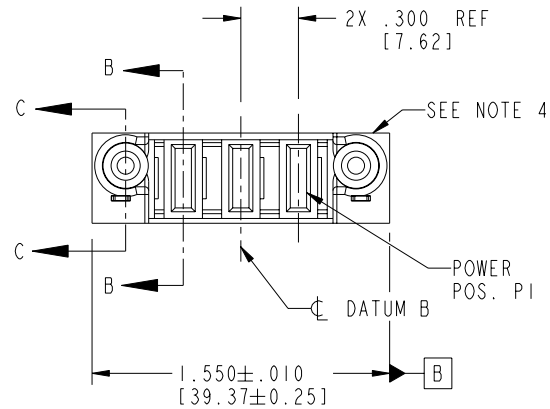


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FCI

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

Pro/E

cage code 22526

PDM: Rev:C

STATUS: Released

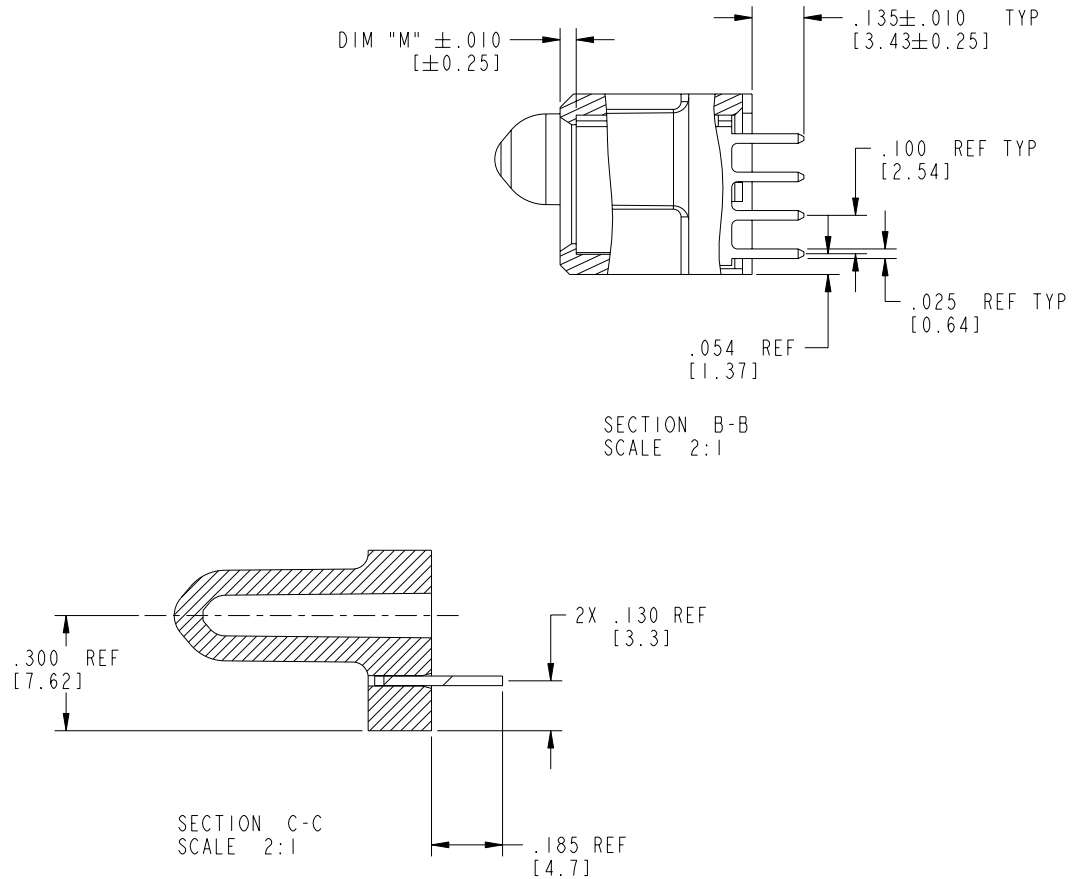
Printed: Aug 14, 2007

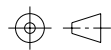
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FCI

PRODUCT NUMBER
51816-001--
NOTE: ③



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date					COPY			
C				linear		$.XX \pm .01 / 0.X \pm 0.3$		projection		title	3ACP
						$.XXX \pm .005 / 0.XX \pm 0.13$				VERTICAL SOLDER RECEPT	
				angles		$.XXX \pm .0020 / 0.XX \pm 0.051$		INCH/MM		product family	PwrBlade
				dr	C. DAILY	03/05/01		scale		size	213
				enr	J. DODDS	03/05/01		1:1		dwg no	2 of 4
				chr	J. DODDS	03/05/01				A 51816-001	
				appd	J. DODDS	03/05/01					
sheet index	revision sheet									cage code	22526

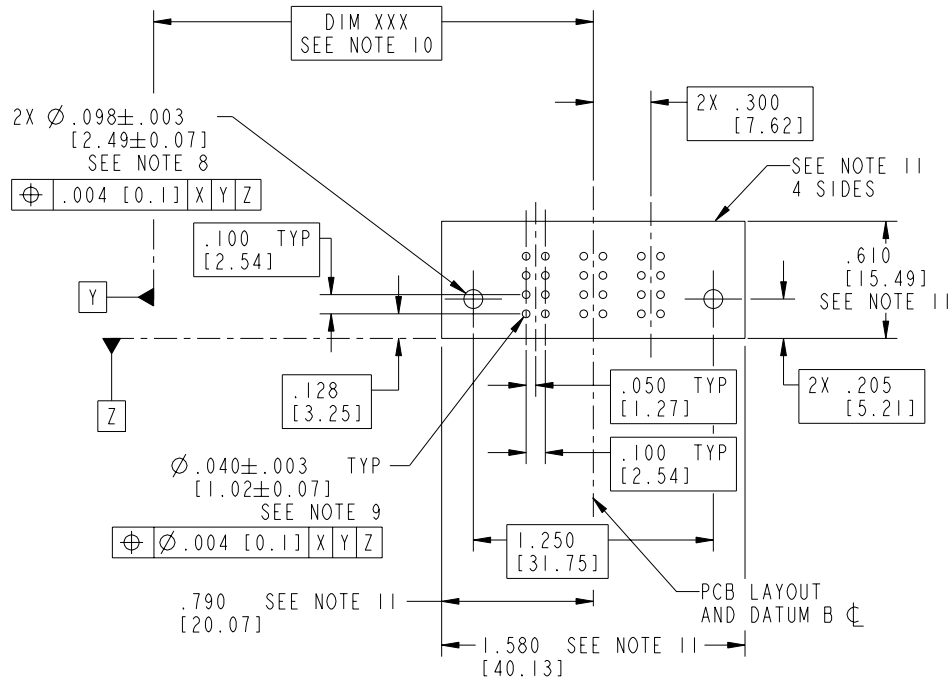
Pro/E

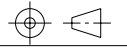
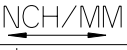
PDM: Rev:C

STATUS: Released

Printed: Aug 14, 2007

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
						enqr	J. DODDS 03/05/01	scale	1:1	code	213
						chr	J. DODDS 03/05/01			size	dwg no
						appd	J. DODDS 03/05/01			A	51816-001
sheet index	revision sheet									sheet	3 of 4

cage code 22526

Pro/E

PDM: Rev:C

STATUS: Released

Printed: Aug 14, 2007

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		A FCI www.fciconnect.com			
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		COPY		projection 	title			
C					.XXX±.005/0.XX±0.13					3ACP			
					.XXX±.0020/0.XX±0.051					VERTICAL SOLDER RECEPT			
				angles	0°±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