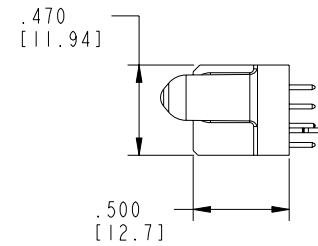
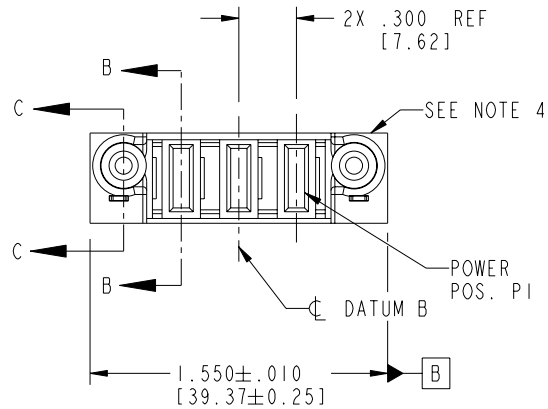


Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation ecrite du proprietaire. Propriete de c FCI. Droits de reproduction FCI.

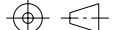
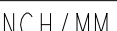
FCI

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.

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	$.XX \pm .01 / 0.X \pm 0.3$				COPY					title					
A	V10970	CGD	03/05/01		$.XXX \pm .005 / 0.XX \pm 0.13$				INCH/MM					3ACP					
B	V03-1324	TAB	12/12/03		$.XXXX \pm .0020 / 0.XXX \pm 0.051$				scale					VERTICAL SOLDER RECEPT					
C	DG05-0295	CS	08/25/05	angles	$0^\circ \pm 2^\circ$					product family				code					
				dr	C. DAILY 03/05/01					PwrBlade									
				enrg	J. DODDS 03/05/01					size				213					
				chr	J. DODDS 03/05/01					dwg no				A 51816-001					
				appd	J. DODDS 03/05/01					1:1				sheet 1 of 4					
sheet index	revision sheet	C 1	C 2	C 3	C 4														

Pro/E

cage code 22526

PDM: Rev:C

STATUS: Released

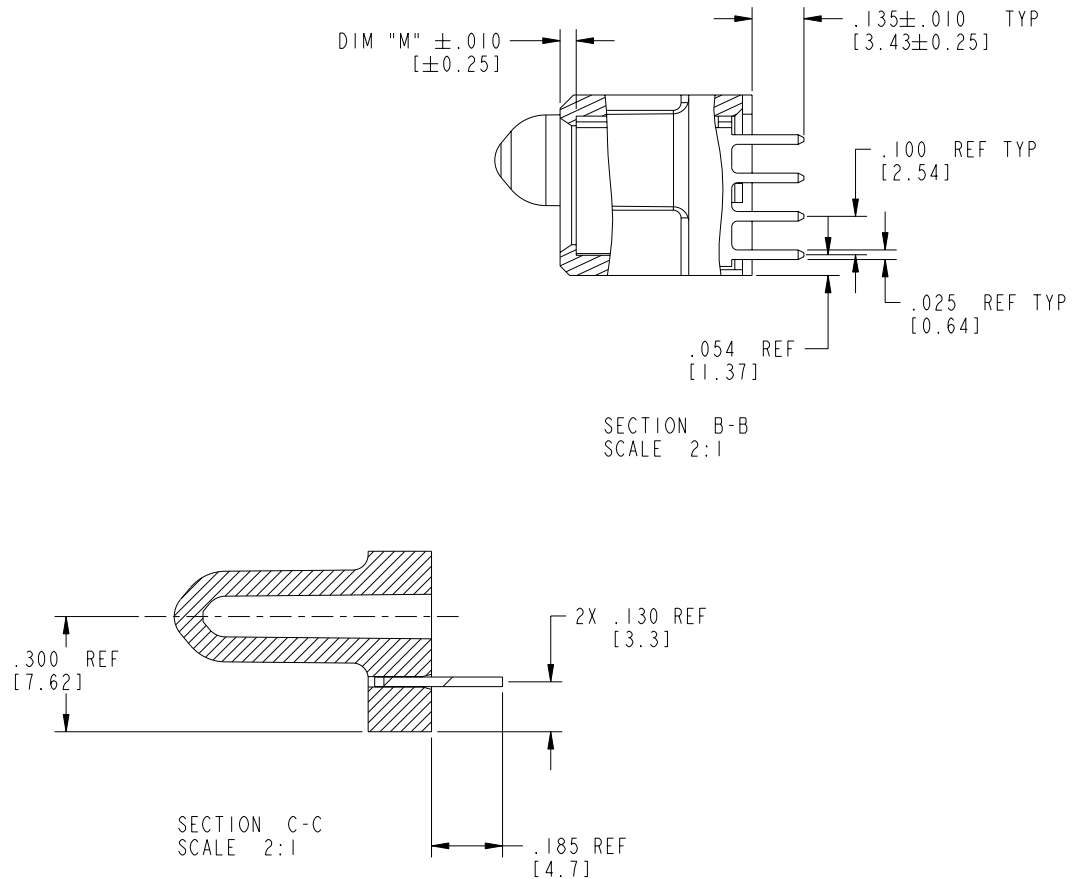
Printed: Dec 20, 2010

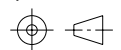
Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire. Propriete de c FCI. Droits de reproduction FCI.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.

FCI

PRODUCT NUMBER
51816-001--
NOTE: ③



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

Pro/E

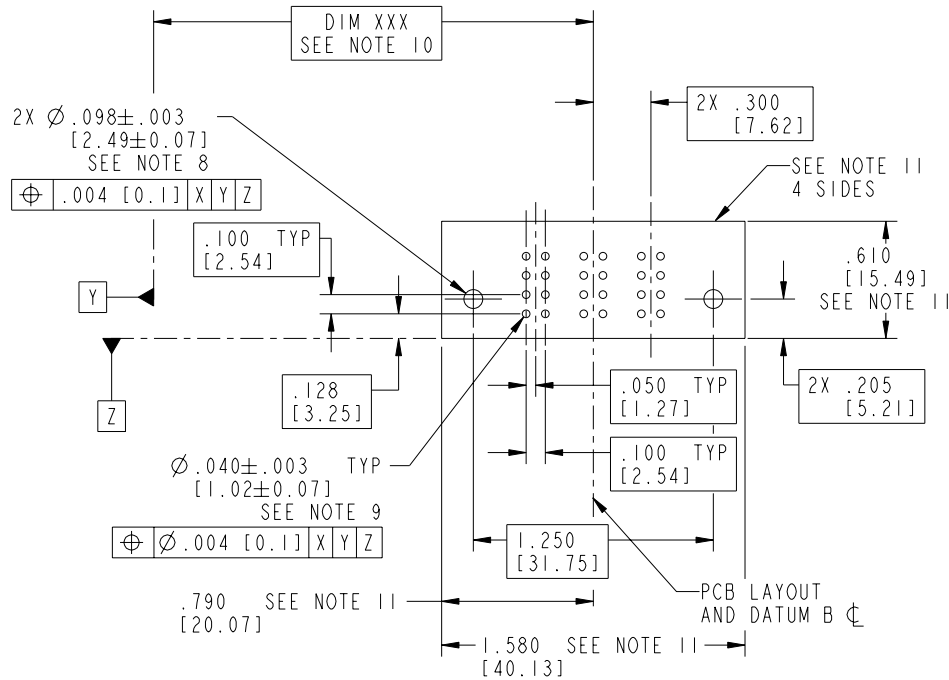
cage code 22526

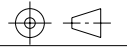
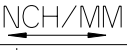
PDM: Rev:C

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
						engr	J. DODDS 03/05/01	scale	1:1	code	213
						chr	J. DODDS 03/05/01			product size	51816-001
						appd	J. DODDS 03/05/01			sheet	3 of 4
sheet index	revision	sheet									

cage code 22526

Pro/E

PDM: Rev:C

STATUS: Released

Printed: Dec 20, 2010

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:

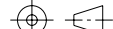
7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

⑧ MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

⑨ $\varnothing .0453 \pm .0010$ [1.151 ± 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			title 3ACP VERTICAL SOLDER RECEPT	
C					.XXX±.005/0.XX±0.13		projection				
					.XXX±.0020/0.XXX±0.051						
				angles	0°±2°						
		dr	C. DAILY	03/05/01			INCH/MM		product family PwrBlade		code
		enrg	J. DODDS	03/05/01			scale		size	dwg no	213
		chr	J. DODDS	03/05/01			1:1		A	51816-001	sheet
		appd	J. DODDS	03/05/01							4 of 4
sheet index		revision sheet									

cage code 22526

Pro/E

3

4

Mouser Electronics

Authorized Distributor

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

[FCI / Amphenol:](#)

[51413-XX001LF](#) [51816-001LF](#) [51816-10400000AALF](#)