

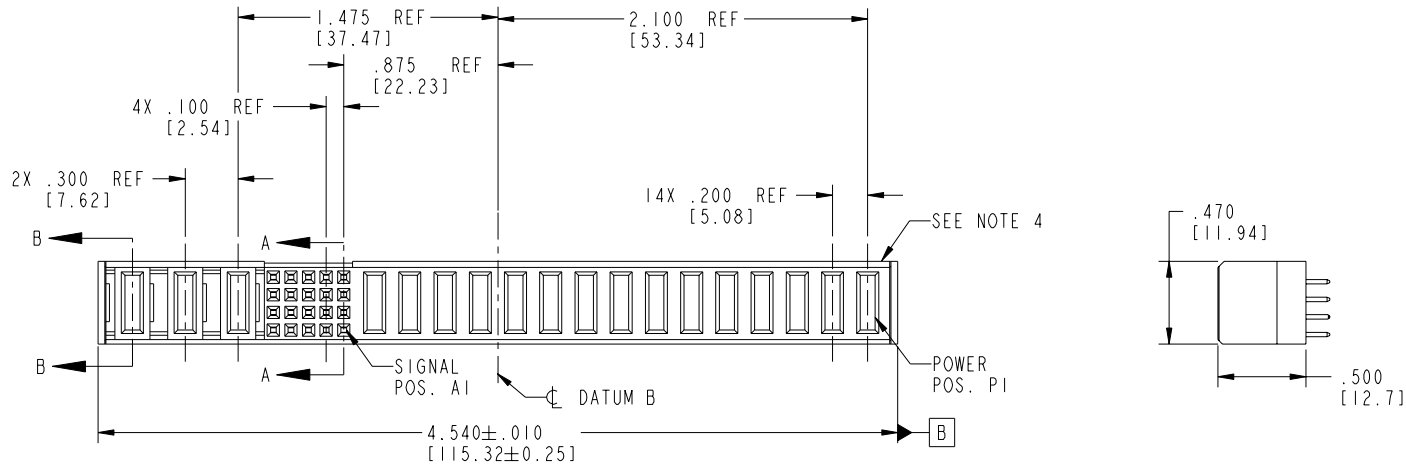
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B

CODE	DIM "M" MATING LENGTH	CONTACT TYPE
E	N/A [N/A]	SIGNAL
PA	.042 [1.07]	POWER
PD	.092 [2.34]	POWER



PRODUCT NO.	ROWS	POWER			SIGNAL					POWER																	
		P18	P17	P16	5	4	3	2	1	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1			
51940-077-- NOTE:3	D C B A	PD	PD	PA	E	E	E	E	E	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD

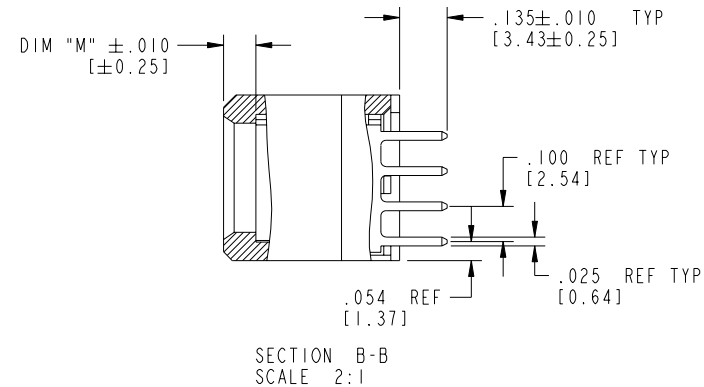
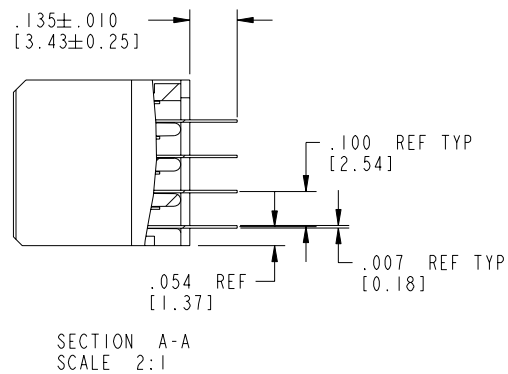
1 | 2

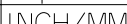
mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				A FCI www.fciconnect.com			
ltr		ecn no.		dr		date		linear		COPY				projection INCH/MM scale 1:1					
A		V04-0182		TAB		02/23/04				.XX±.01/0.X±0.3 .XXX±.005/0.XX±0.13 .XXX±.0020/0.XXX±0.051									
B		DG05-0490		CS		11/23/05				angles 0°±2°									
								dr		T. BRUNGARD 02/23/04									
								engr		M. GRAY 02/23/04									
								chr		M. GRAY 02/23/04									
								appd		M. GRAY 02/23/04									
sheet index		revision sheet		B		B		B		B									
				1		2		3		4									
				Pro/E				3				cage code 22526				4			

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51940-077--
NOTE:3



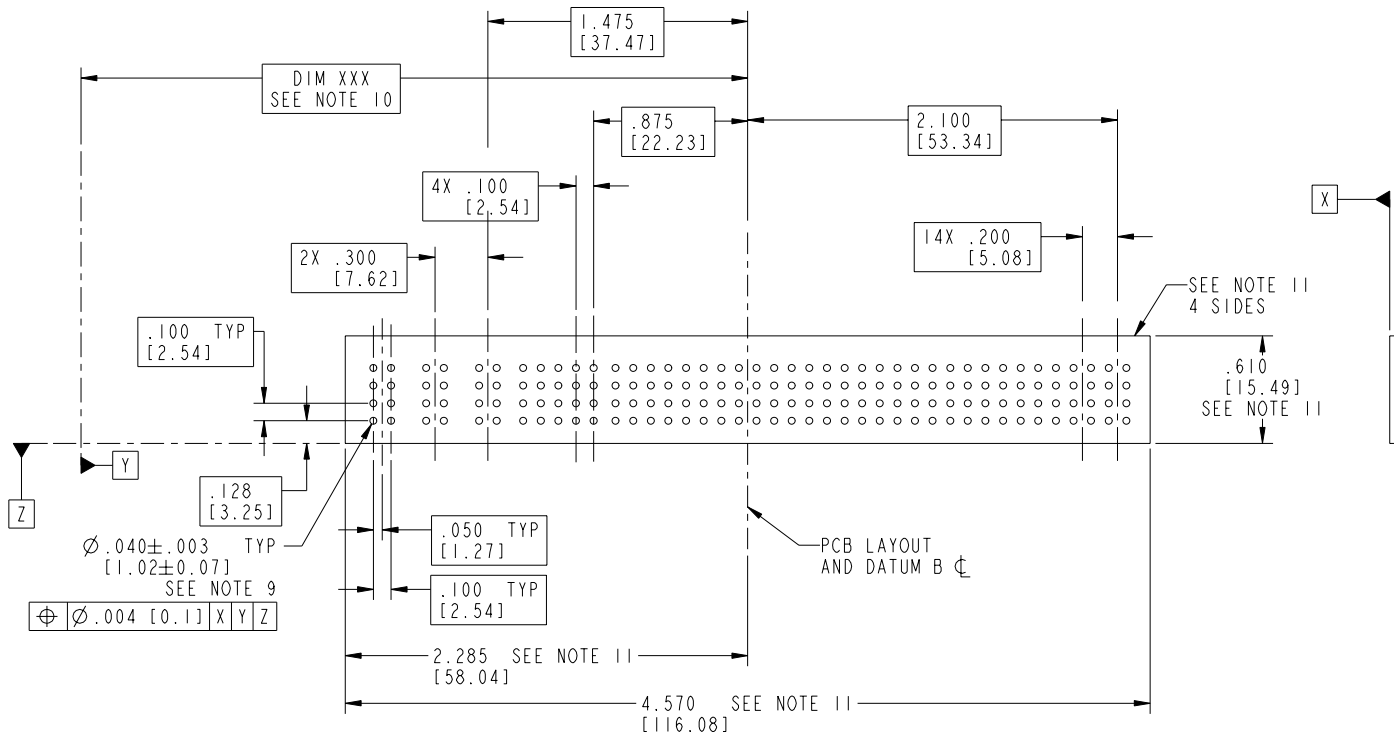
mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				 www.fciconnect.com							
lfr	ecn no.	dr	date	linear	$.XX \pm .01 / 0.X \pm 0.3$ $.XXX \pm .005 / 0.XX \pm 0.13$ $.XXX \pm .002 / 0.XXX \pm 0.051$				projection 	title 15P + 20S + 3P VERTICAL SOLDER RECEPT													
B					angles $0^\circ \pm 2^\circ$					product family PwrBlade													
					dr	T. BRUNGARD	02/23/04	INCH/MM 		size	dwg no	code											
					engr	M. GRAY	02/23/04	scale 1:1		A	51940-077	213											
				chr	M. GRAY	02/23/04										sheet							
				appd	M. GRAY	02/23/04										2 of 4							
sheet index		revision sheet																					
Pro/E								3				cage code				22526				4			

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PRODUCT NUMBER
51940-077_-
NOTE: 3



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	$.XX \pm .01 / 0.X \pm 0.3$ $.XXX \pm .005 / 0.XX \pm 0.13$ $.XXXX \pm .0020 / 0.XXX \pm 0.051$	projection		title		15P + 20S + 3P	
B				angles	$0^\circ \pm 2^\circ$	INCH/MM		product family		PwrBlade	
				dr	T. BRUNGARD 02/23/04	scale	1:1	size		213	
				enr	M. GRAY 02/23/04			dwg no		3 of 4	
				chr	M. GRAY 02/23/04			A		51940-077	
				appd	M. GRAY 02/23/04			cage code		22526	
sheet index	revision	sheet									

PDM: Rev:B

STATUS: Released

Printed: Aug 14, 2007

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3 |

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PRODUCT NUMBER

51940-077_-
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:
51940-077 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.

51940-077LF 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 51940-077LF 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		projection		COPY		title		15P + 20S + 3P	
B										.XXX+ .005/0.XX+0.13						VERTICAL SOLDER RECEPT			
								angles		.XXX+ .0020/0.XXX+0.051									
										0+2°									
								dr		T. BRUNGARD 02/23/04		INCH/MM		product family		PwrBlade		code	
								enrg		M. GRAY 02/23/04		scale		size		dwg no		213	
								chr		M. GRAY 02/23/04		1:1		A		51940-077		sheet	
								appd		M. GRAY 02/23/04								4 of 4	
sheet index		revision																	
		sheet																	

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1 | 2

Pro/E

3 |

cage code 22526

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