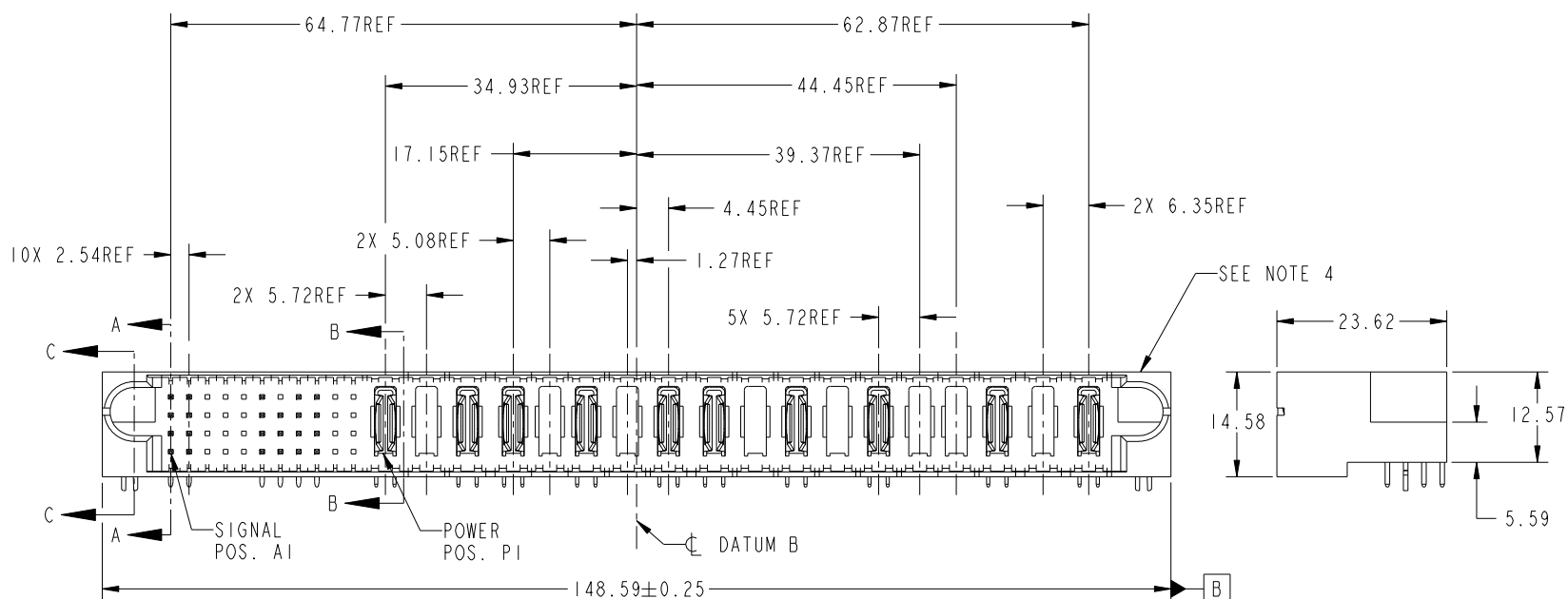




1											2	3																		4			
PRODUCT NO.	ROWS	SIGNAL											POWER																				
		E1	1	2	3	4	5	6	7	8	9	10	11	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	E2	
51939-291-- NOTE: 3	D C B A		UU	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	PA	X	PA	PA	X	PA	X	PA	PA	X	PA	X	PA	X	X	PA	X	PA		
			TT	XX	XX	XX	XX	XX	XX	XX	XX	XX	TT																				
			SS	XX	XX	XX	XX	XX	XX	XX	XX	XX	SS																				
			RR	XX	XX	XX	XX	XX	XX	XX	XX	RR																					



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
R	[6.86]	SIGNAL
S	[6.86]	SIGNAL
T	[6.86]	SIGNAL
U	[6.86]	SIGNAL
PA	[N/A]	POWER
HA	[N/A]	HOLD-DOWN
X	OMITTED	OMITTED

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER		FCI www.fciconnect.com				
ltr	ecn no.	dr	date	linear	$0.X \pm 0.3$				COPY		projection  title 44S + 18P RIGHT ANGLE SOLDER HEADER							
A	DG07-0163	JMG	05/15/07		$0.XX \pm 0.13$													
B	DG08-0266	W D	09/22/08		angles	$0.XXX \pm 0.051$												
				$0^\circ \pm 2^\circ$														
				dr	JM GUO	05/15/07			MM ←→ scale 1:1		product family				PwrBlade		code	
				enrg	RYAN YUAN	05/15/07					size		dwg no		213			
				chr	GARY HSIEH	05/15/07					A		51939-291		sheet 1 of 4			
				appd	JOSEPH HSIA	05/15/07												
sheet index	revision sheet	B 1	B 2	B 3	B 4													

B

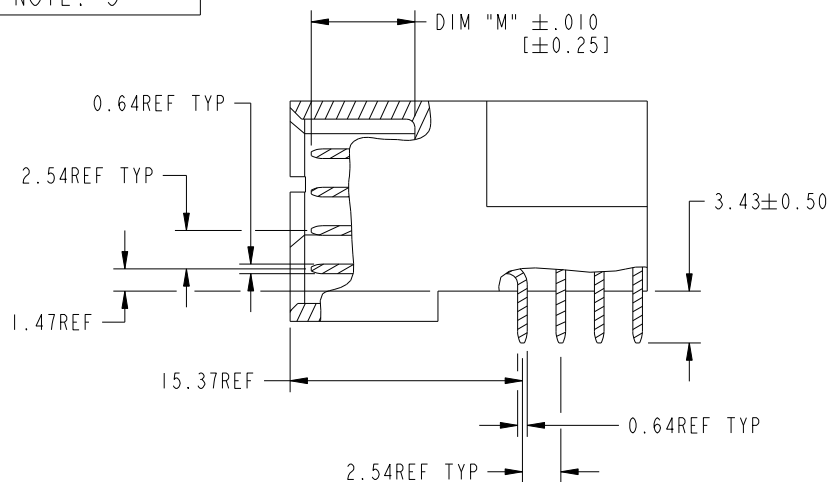
B



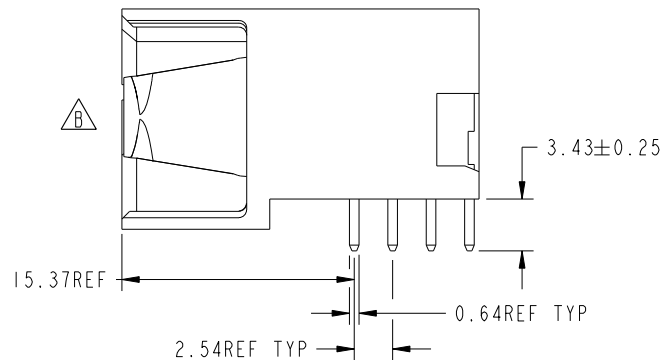
PRODUCT NUMBER

51939-291__

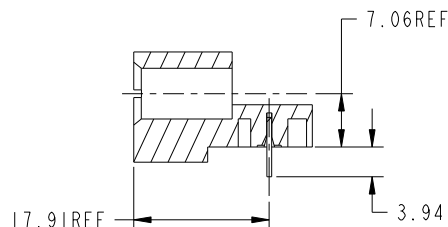
NOTE: 3



BROKEN-OUT SECTION A-A
SCALE 2:1

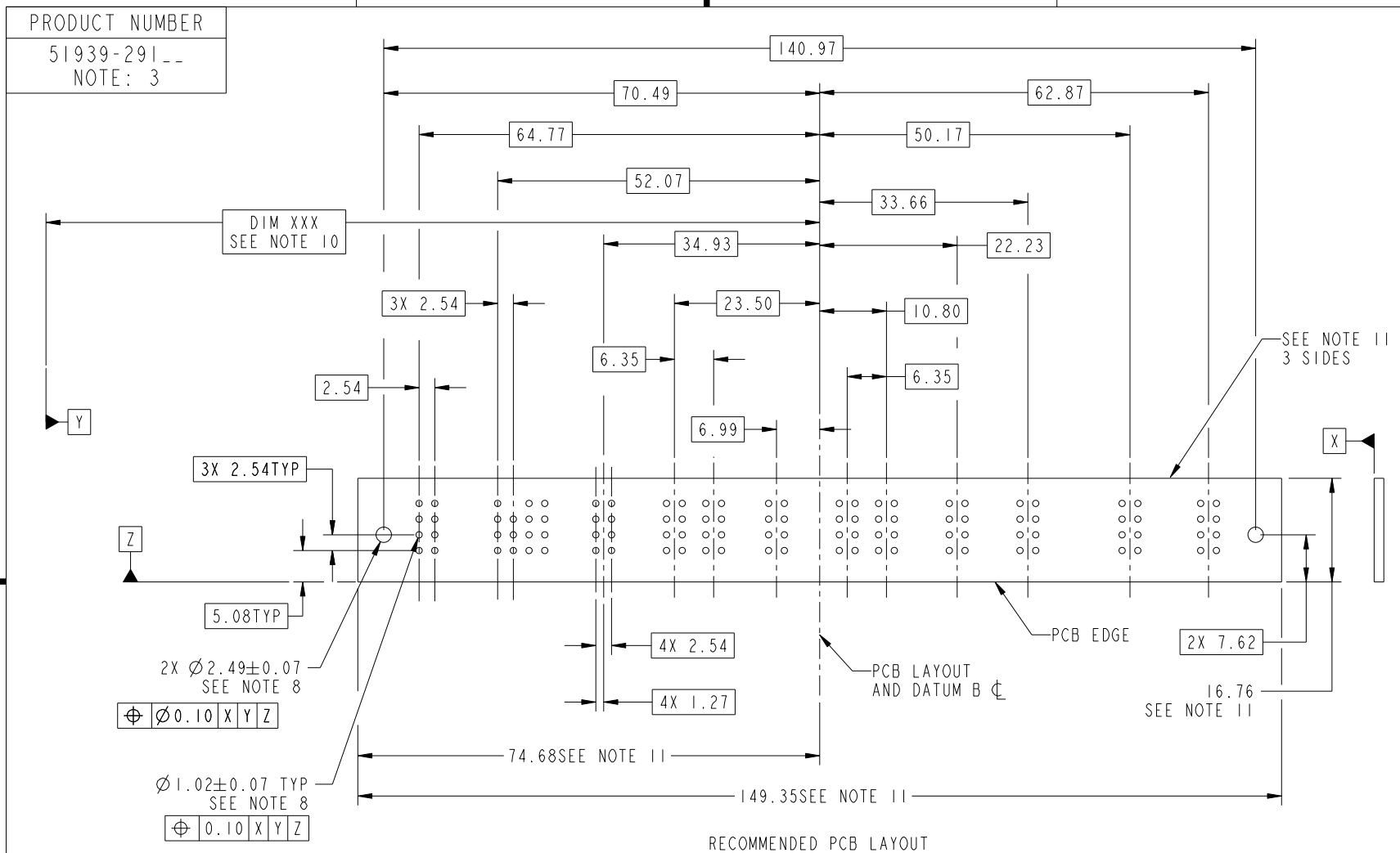


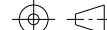
BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
litr	ecn no.	dr	date	linear		0.X ±0.3		COPY			
B						0.XX ±0.13		projection			
						0.XXX ±0.051					
				angles		0° ±2°		MM		title 44S + 18P	
				dr	JM GUO	05/15/07		scale 1:1		RIGHT ANGLE SOLDER HEADER	
				enrg	RYAN YUAN	05/15/07				product family PwrBlade	
				chr	GARY HSIEH	05/15/07				size	213
				appd	JOSEPH HSIA	05/15/07				dwg no	sheet
sheet index	revision sheet									A 51939-291	2 of 4



mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER								www.fciconnect.com			
ltr		ecn no.		dr		date		linear		0.X ±0.3		projection				title 44S + 18P RIGHT ANGLE SOLDER HEAD							
B						0.XX ±0.13																	
						0.XXX ±0.051																	
								angles		0° ±2°				product family PwrBlade									
						dr				JM GUO 05/15/07													
						enrg				RYAN YUAN 05/15/07													
										chr		GARY HSIEH 05/15/07		scale 1:1		A		size 51939-291		code 213 sheet 3 of 4			
										appd		JOSEPH HSIA 05/15/07											
sheet index		revision sheet																					



1 | 2

3

4

PRODUCT NUMBER

51939-291__
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) SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-291 AND 51939-291LF RESPECTIVELY.

(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) $\varnothing 1.151 \pm 0.025$ DRILLED HOLES PLATED WITH
0.008 MIN SnPb OR Sn OVER 0.03 TO 0.08 Cu PLATING TO ACHIEVE $\varnothing 1.02 \pm .07$ HOLE.

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

(11) CONNECTOR KEEP-OUT ZONE.

12. △ (B) SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date					COPY		www.fciconnect.com	
B				linear		$0.X \pm 0.3$		projection		title	44S + 18P
						$0.XX \pm 0.13$				RIGHT ANGLE SOLDER HEADER	
						$0.XXX \pm 0.051$				product family	PwrBlade
				angles		$0^\circ \pm 2^\circ$				size	213
				dr	JM GUO	05/15/07		MM		dwg no	51939-291
				enrg	RYAN YUAN	05/15/07		scale		A	
				chr	GARY HSIEH	05/15/07		1:1		sheet	4 of 4
				appd	JOSEPH HSIA	05/15/07					
sheet index	revision sheet										

A

A

B

B

1 | 2

Pro/E

PDM: Rev:B

STATUS: Released

Printed: Dec 20, 2010