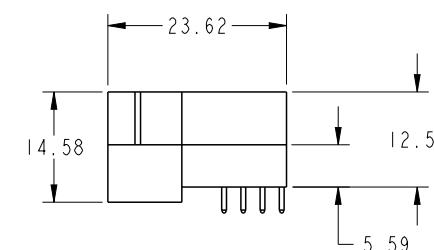
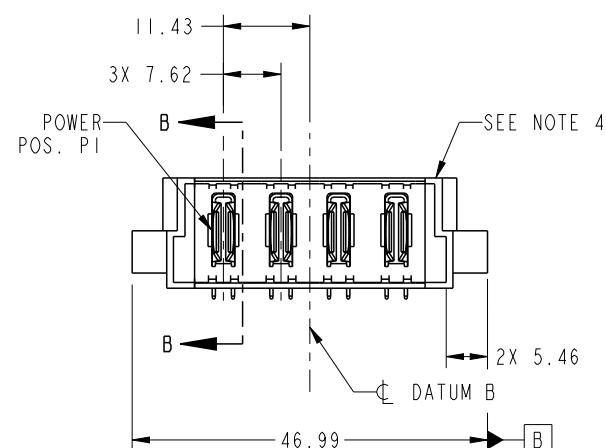
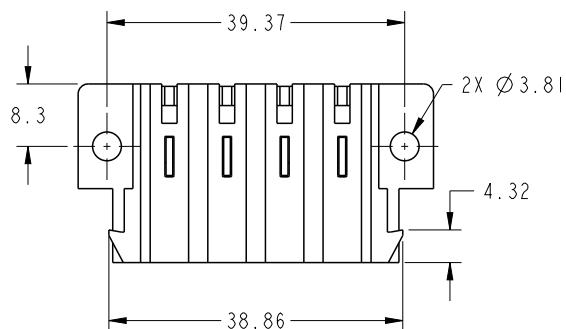


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PRODUCT NO.	POWER					E2
	E1	P1	P2	P3	P4	
51939-593 NOTE 3		PA	PA	PA	PA	



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PA	[N/A]	POWER
		scale
	A4	1 : 1
		ecn no
		ELX-DG-004720-1
		rel level
		Released

spec ref	SEE NOTES		dr	Anson Liu	2011/05/23
tolerance std			eng	Guang, Shi	2011/08/08
see notes	TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Tian-Xu Huang	2011/08/17



4ACP  
RIGHT ANGLE SOLDER HEADER

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cat. no.

Product - Customer Drw

sheet 1 of 4

Pro/E File - REV C - 2009-06-09

## PRODUCT NUMBER

51939-593  
NOTE: 3

A

A

B

B

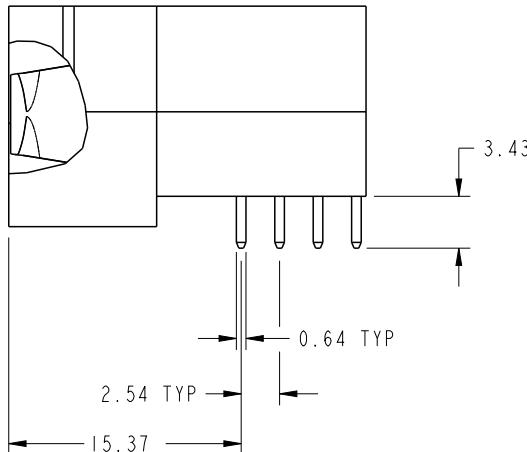
C

C

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D

D

BROKEN-OUT SECTION B-B  
SCALE 2:1

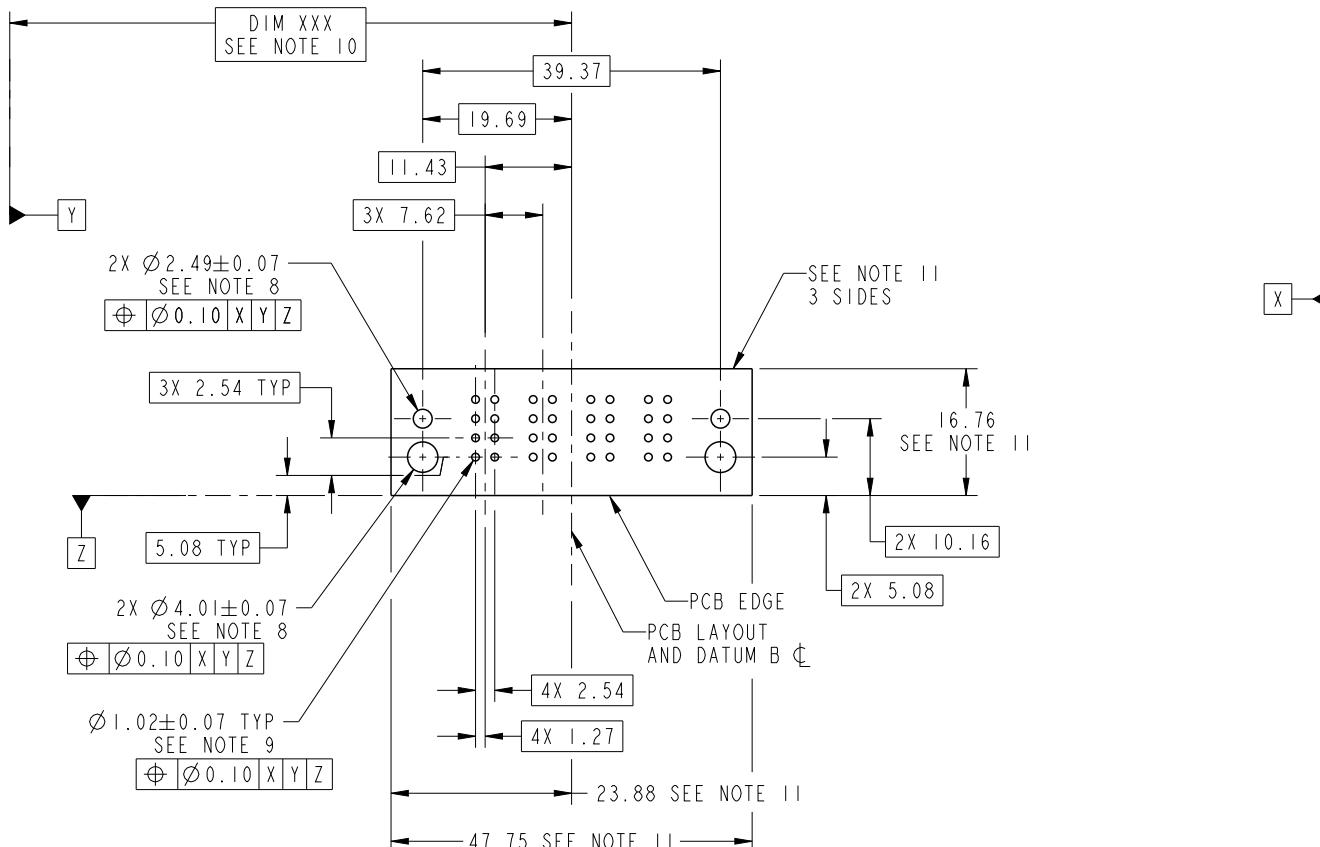
spec ref	SEE NOTES			dr	Anson Liu	2011/05/23	projection	MM	size	A4	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Guang, Shi	2011/08/08	product family	PwrBlade	ecn no	ELX-DG-004720-1	
see notes				chr	Tian-Xu Huang	2011/08/17					
	surface	✓	linear	0.X	± 0.50		FCI	4ACP	dwg no	51939-593	rev
				0.XX	± 0.25			RIGHT ANGLE SOLDER HEADER			B
				0.XXX	± 0.10						
			angular	0°	± 2°	www.fci.com	cat. no.	Product - Customer Drw	sheet	2 of 4	

## PRODUCT NUMBER

51939-593  
NOTE: 3

A

A



## RECOMMENDED PCB LAYOUT

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D

D

spec ref	SEE NOTES		dr	Anson Liu	2011/05/23	projection	MM	size	A4	scale		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Guang, Shi	2011/08/08	product family	PwrBlade	ecn no	ELX-DG-004720-1	rel level	Released	
see notes			chr	Tian-Xu Huang	2011/08/17							
	surface	✓	linear	0.X	± 0.50	4ACP RIGHT ANGLE SOLDER HEADER www.fci.com		dwg no	51939-593		rev	
				0.XX	± 0.25						B	
				0.XXX	± 0.10							
			angular	0°	± 2°							
Product - Customer Drw		sheet 3 of 4										

PRODUCT NUMBER	51939-593
NOTE:	3

## NOTES:

A 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 51939-593 AND 51939-593LF RESPECTIVELY.

4. MANUFACTURER'S NAME, DATE CODE AND OPTIONAL P/N TO APPEAR ON THIS SURFACE. THE P/N CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE ON THIS SURFACE.

5. PRODUCT SPECIFICATION GS-12-149.  
 APPLICATION SPECIFICATION BUS-20-067.

6. PACKAGED IN TRAYS.

## PCB NOTES:

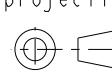
7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

8. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

9.  $\phi 1.151 \pm 0.025$  DRILLED HOLES PLATED WITH 0.008 MIN SnPb OR Sn OVER 0.03 TO 0.08 Cu PLATING TO ACHIEVE  $\phi 1.02 \pm 0.07$  HOLE.

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

11. CONNECTOR KEEP-OUT ZONE.

spec ref	SEE NOTES			dr	Anson Liu	2011/05/23	projection 	MM	size A4	scale 1 : 1				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Guang, Shi	2011/08/08								
see notes				chr	Tian-Xu Huang	2011/08/17								
surface				appr	Pei-Ming Zheng	2011/08/17								
✓	linear	0.X	$\pm 0.50$		4ACP				dwg no 51939-593	rev B				
		0.XX	$\pm 0.25$		RIGHT ANGLE SOLDER HEADER									
		0.XXX	$\pm 0.10$											
		angular	$0^\circ$		www.fci.com	cat. no.	Product - Customer Drw	sheet 4 of 4						