

PRODUCT NO.	POWER										E2
	E1	P1	P2	P3	P4	P5	P6	P7	P8	P9	
51939-706		PA	X	X	X	PA	X	X	X	PA	

A

A

B

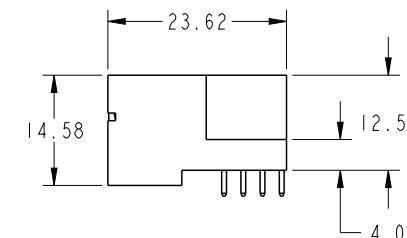
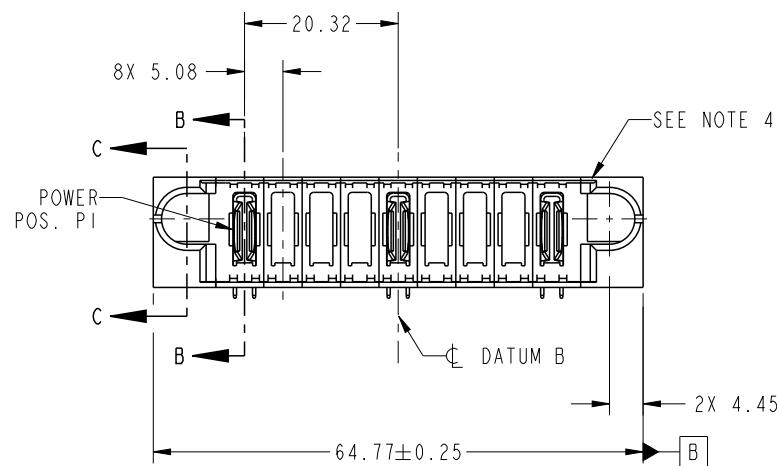
B

C

C

D

D



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PA	[N/A]	POWER
X	OMMITTED	OMMITTED

spec ref	* TOLERANCES UNLESS OTHERWISE SPECIFIED		dr	Luo Weller	2012/09/13	projection	MM	size	A4	scale
tolerance std	SEE NOTE		eng	Luo Weller	2012/10/09			ecn no	-	
			chr	-	-	product family	PwrBlade	rel level	Released	
surface	✓	linear	0.X	±0.5	9P			dwg no	51939-706	rev A
			0.XX	±0.25						
			0.XXX	±0.1						
		angular	0°	±2°	RIGHT ANGLE SOLDER HEADER					
					www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 4	

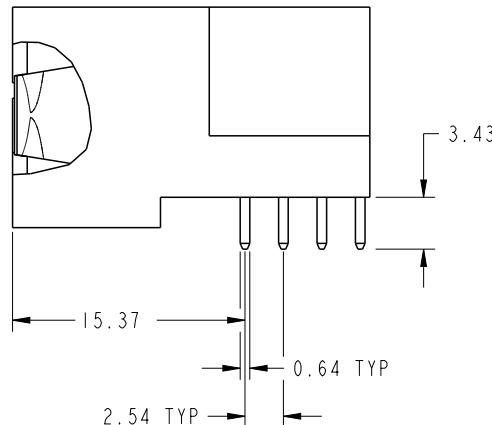
Pro/E File - REV C - 2009-06-09

## PRODUCT NUMBER

51939-706  
NOTE: 3

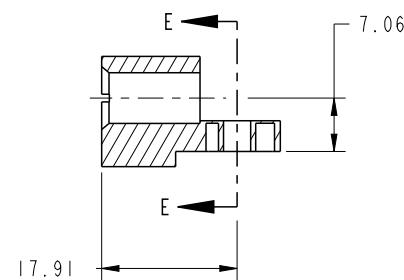
A

A



B

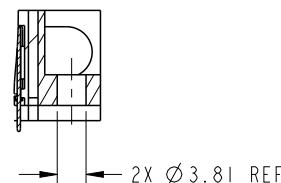
B

SECTION B-B  
SCALE 2:1

C

C

SECTION C-C



PARTIAL SECTION E-E

dr	Luo Weller	2012/09/13	projection	MM	size	A4	scale
eng	Luo Weller	2012/10/09			ecn no		
chr	-	-			PwrBlade	rel level	Released
appr	Pei-Ming Zheng	2012/10/10	product family				
www.fci.com				dwg no	51939-706		
cat. no.				rev	A		
Product - Customer Drw				sheet	2 of 4		

## PRODUCT NUMBER

51939-706  
NOTE: 3

A

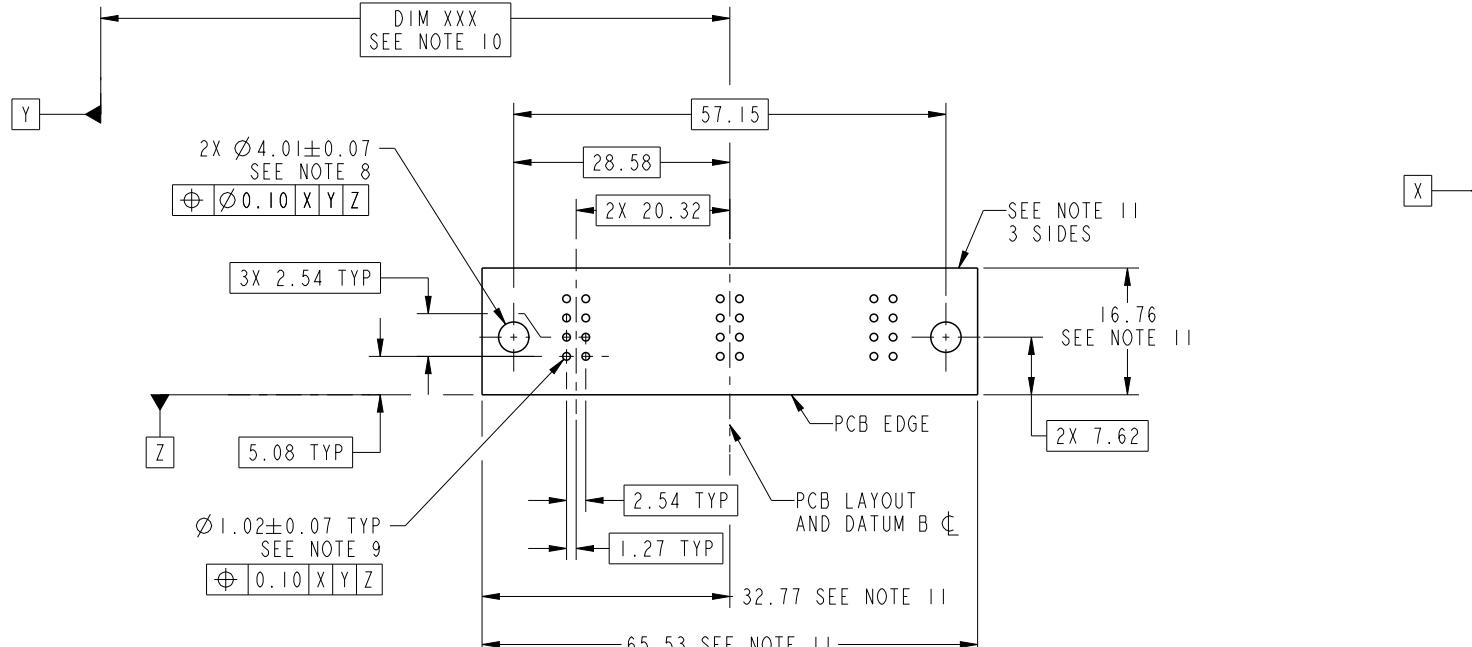
A

B

B

C

C



## RECOMMENDED PCB LAYOUT

dr	Luo Weller	2012/09/13	projection	MM	size	A4	scale
eng	Luo Weller	2012/10/09					
chr	-	-					
appr	Pei-Ming Zheng	2012/10/10	product family	PwrBlade	ecn no	rel level	Released
		9P	RIGHT ANGLE SOLDER HEADER				dwg no 51939-706
www.fci.com			cat. no.	-	Product - Customer Drw	sheet 3 of 4	rev A

## PRODUCT NUMBER

51939-706  
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 51939-706 AND 51939-706LF 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.)  $\phi 1.15 \pm 0.025$  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.

 Copyright FCI.	dr		Luo Weller	2012/09/13		MM	size A4	scale 1:1								
	eng		Luo Weller	2012/10/09												
	chr		-	-												
	appr		Pei-Ming Zheng	2012/10/10	product family PwrBlade		rel level Released									
			e 9P + RIGHT ANGLE SOLDER HEADER		dwg no 51939-706		rev A									
	<a href="http://www.fci.com">www.fci.com</a>		cat. no. -		Product - Customer Drw		sheet 4 of 4									
	ProjE File - REV C - 2009-06-09															
	2															
	3															
	4															