

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

spec ref	*	dr	Luo Weller	2012/09/04	projection	MM	size	A4	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Luo Weller	2012/09/18			ecn no	-		
SEE NOTE		chr	-	-			product family	PwrBlade	rel level	Released
surface	<input checked="" type="checkbox"/> linear <input type="checkbox"/> angular	0.X ±0.5 0.XX ±0.25 0.XXX ±0.1 0° ±2°	 www.fci.com	title I4DCP RIGHT ANGLE SOLDER HEADER	cat. no.	Product - Customer Drw	dwg no 51939-703	rev A	sheet 1 of 4	

PRODUCT NUMBER

51939-703--
NOTE: 3

A

B

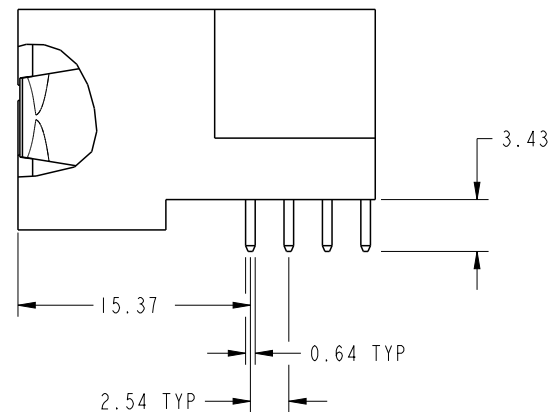
C

D

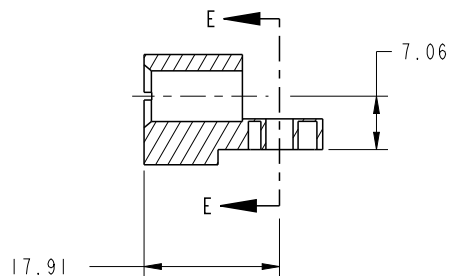
2

3

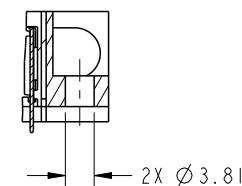
4



SECTION B-B
SCALE 2:1



SECTION C-C



PARTIAL SECTION E-E

dr	Luo Weller	2012/09/04	projection 	MM 	size	A4	scale	1:1	
eng	Luo Weller	2012/09/18			ecn no	-			
chr	-	-			rel level	Released			
appr	Pei-Ming Zheng	2012/09/18	product family	PwrBlade					
	title	I4DCP RIGHT ANGLE SOLDER HEADER			dwg no	51939-703		rev	A
www.fci.com	cat. no.	-	Product - Customer Drw			sheet 2 of 4			

2

3

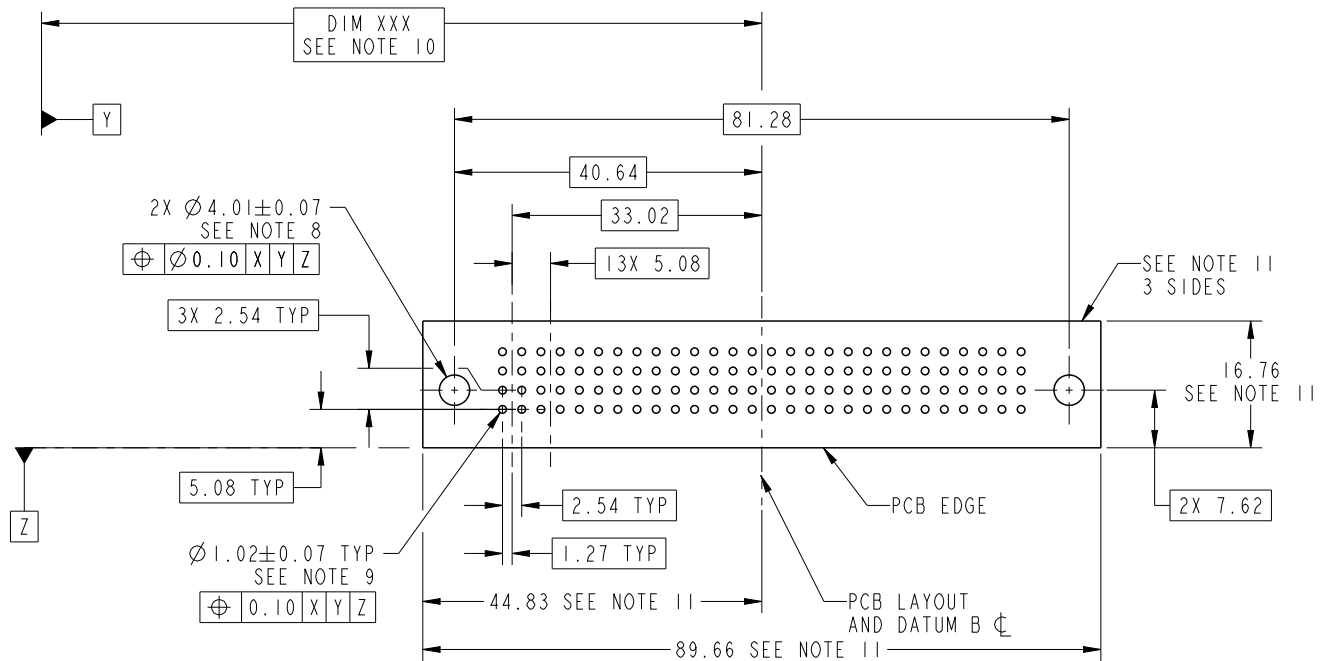
4



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NOTE: 3



RECOMMENDED PCB LAYOUT

dr	Luo Weller	2012/09/04	projection 	MM 	size	A4	scale	1:1
eng	Luo Weller	2012/09/18			ecn no	-		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2012/09/18	product family	PwrBlade	rel level	Released		
	title	I4DCP RIGHT ANGLE SOLDER HEADER	dwg no	51939-703	rev	A		
www.fci.com	cat. no.	-	Product - Customer Drw	sheet 3 of 4				

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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 51939-703 AND 51939-703LF 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. $\varnothing 1.151 \pm 0.025$ DRILLED HOLES PLATED WITH
0.008 MIN SnPb OR Sn OVER 0.03
TO 0.08 Cu PLATING TO ACHIEVE
 $\varnothing 1.02 \pm 0.07$ HOLE.
- 10. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
- 11. CONNECTOR KEEP-OUT ZONE.



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appr	Pei-Ming Zheng	2012/09/18			title	I4DCP		dwg no	51939-703	rev	A
www.fci.com		cat. no.	-	Product - Customer Drw			sheet 4 of 4				