

CODE	DIM "M" MATING LENGTH	CONTACT TYPE
U	[6.86]	SIGNAL
T	[6.86]	SIGNAL
S	[6.86]	SIGNAL
R	[6.86]	SIGNAL
H	[5.59]	SIGNAL
PA	[N/A]	POWER
X	OMITTED	OMITTED

spec ref	*	dr	Luo Weller	2013/08/30
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Luo Weller	2013/09/30
SEE NOTE		chr	-	-
		appr	Pei-Ming Zheng	2013/09/30
surface ✓	linear	0.X	±0.5	
		0.XX	±0.25	
		0.XXX	±0.1	
	angular	0°	±2°	www.fci.com

projection		size	A4	scale	1:1
product family		PwrBlade		rel level	Released
title		8DCP + 16S + 8ACP		dwg no	51939-808

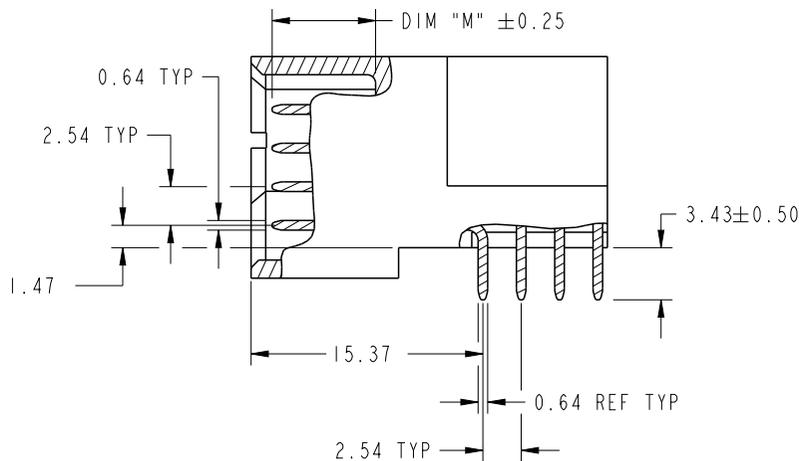
product family	PwrBlade		rel level	Released
title	8DCP + 16S + 8ACP		dwg no	51939-808
cat. no.	-	Product - Customer Drw	sheet	1 of 4



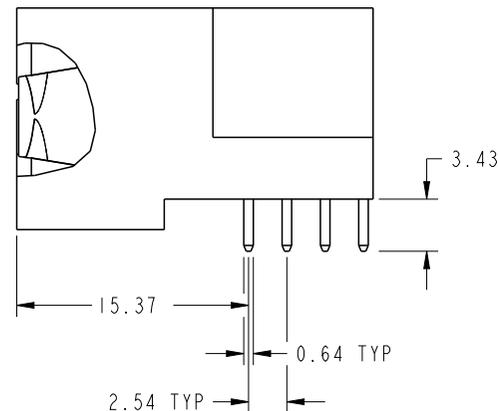
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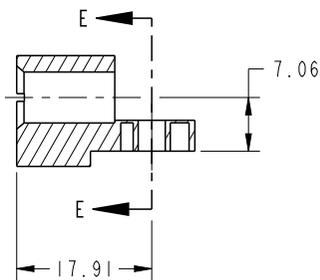
51939-808--  
NOTE: 3



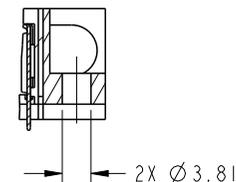
BROKEN-OUT SECTION A-A  
SCALE 2:1



BROKEN-OUT SECTION B-B  
SCALE 2:1



SECTION C-C



PARTIAL SECTION E-E

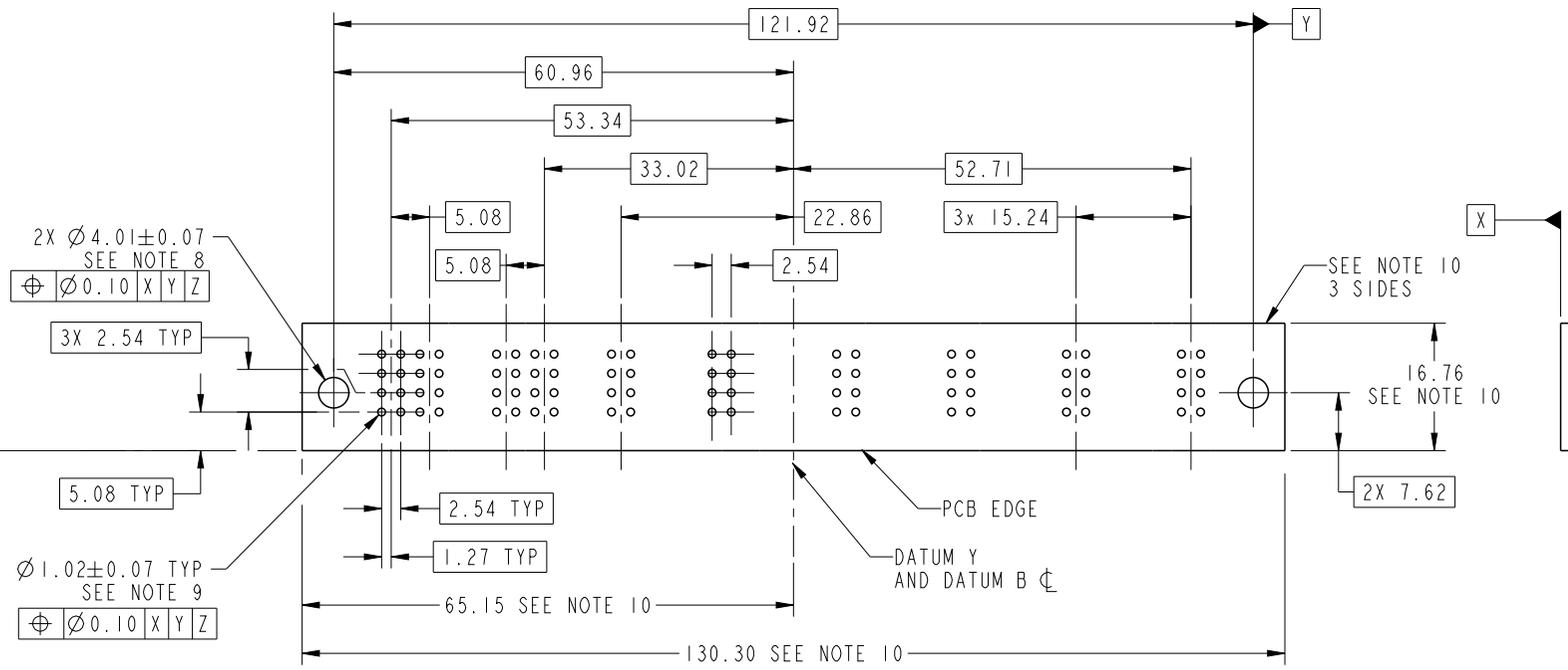
dr	Luo Weller	2013/08/30	projection 	MM ←→	size	A4	scale	1:1
eng	Luo Weller	2013/09/30			ecn no	-		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2013/09/30	product family	PwrBlade	rev	A		
	title	8DCP + 16S + 8ACP RIGHT ANGLE SOLDER HEADER		dwg no	51939-808			
www.fci.com	cat. no.	-	Product - Customer Drw	sheet 2 of 4				



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NOTE: 3



RECOMMENDED PCB LAYOUT

dr	Luo Weller	2013/08/30	projection 	MM 	size	A4	scale	1:1	
eng	Luo Weller	2013/09/30			ecn no	-			
chr	-	-			rel level	Released			
appr	Pei-Ming Zheng	2013/09/30	product family	PwrBlade					
	title	8DCP + 16S + 8ACP RIGHT ANGLE SOLDER HEADER			dwg no	51939-808		rev	A
www.fci.com	cat. no.	-	Product - Customer Drw			sheet 3 of 4			

PRODUCT NUMBER

51939-808\_\_  
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 51939-808 AND 51939-808LF 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. CONNECTOR KEEP-OUT ZONE.

A

B

C

D

A

B

C

D



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eng	Luo Weller	2013/09/30			ecn no	-			
chr	-	-							
appr	Pei-Ming Zheng	2013/09/30	product family	PwrBlade	rel level	Released			
	title	8DCP + 16S + 8ACP RIGHT ANGLE SOLDER HEADER			dwg no	51939-808		rev	A
www.fci.com	cat. no.	-	Product - Customer Drw			sheet 4 of 4			