

CODE	DIM "M" MATING LENGTH	CONTACT TYPE
F	[5.59]	SIGNAL
E	[5.59]	SIGNAL
T	[6.86]	SIGNAL
U	[6.86]	SIGNAL
H	[5.59]	SIGNAL
G	[5.59]	SIGNAL
PA	[N/A]	POWER



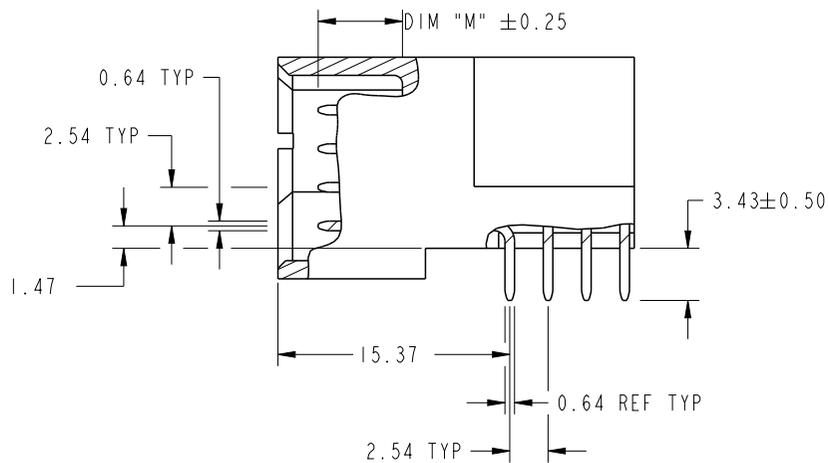
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spec ref	*	dr	Ruan MT	2014/06/20	projection	MM	size	A4	scale	1:1				
tolerance std	ASME Y14.5	eng	Ruan MT	2014/07/03			ecn no	-						
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-	product family			PwrBlade	rel level	Released				
surface	✓	appr	Pei-Ming Zheng	2014/07/03	www.fci.com	title	3DCP + 16S + 3ACP			rev	A			
ASME Y14.5	linear	0.X	±0.5	0.XX	±0.25	0.XXX	±0.1	angular	0°	±2°	cat. no.	-	Product - Customer Drw	sheet 1 of 4

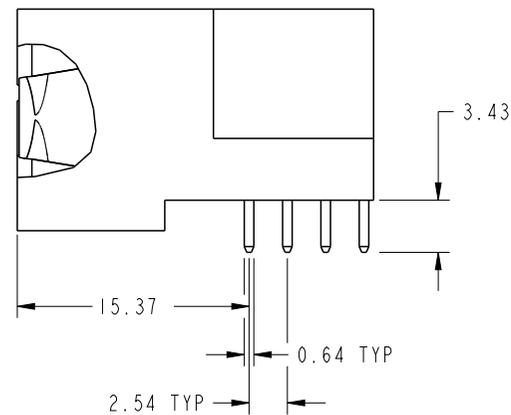
PrdE File - REV C - 2009-06-09

PRODUCT NUMBER

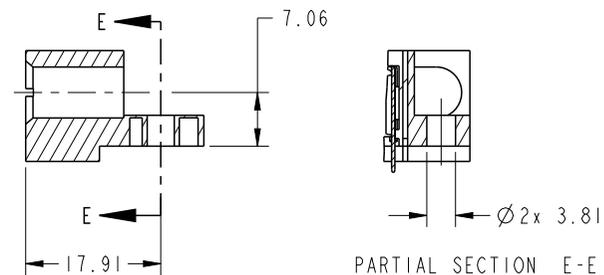
51939-893--  
NOTE: 3



BROKEN-OUT SECTION A-A  
SCALE 2:1



BROKEN-OUT SECTION B-B  
SCALE 2:1



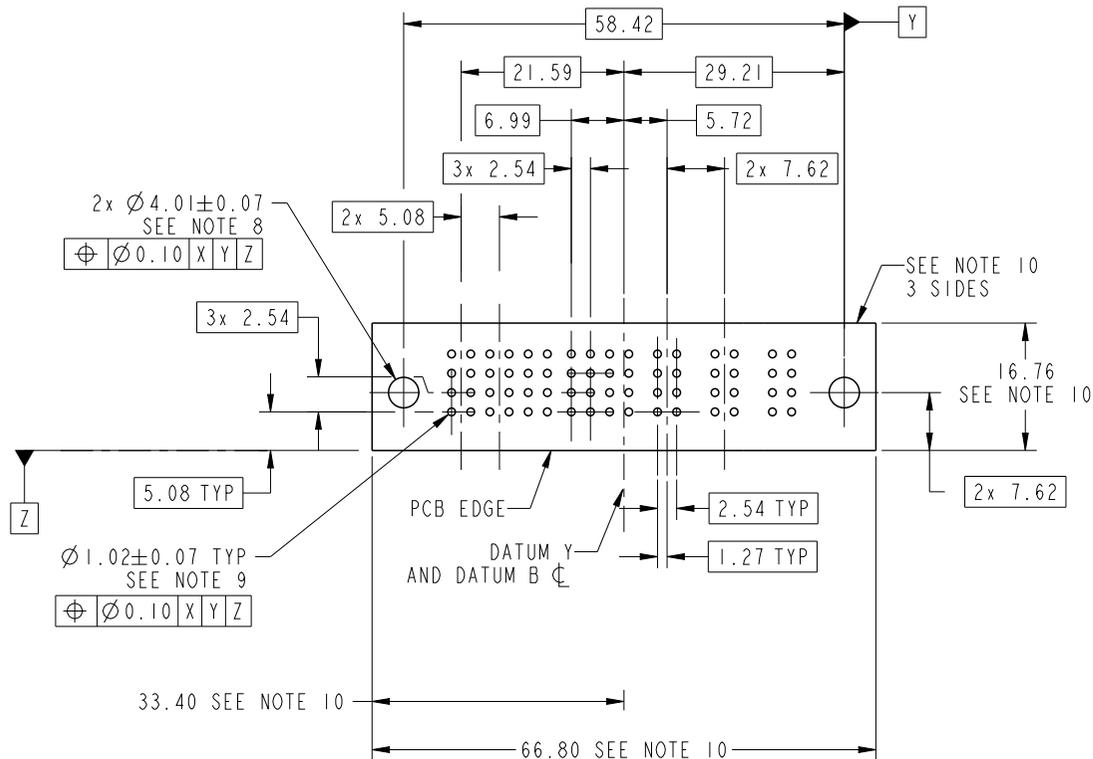
PARTIAL SECTION E-E

SECTION C-C

dr	Ruan MT	2014/06/20	projection 	MM ←→	size	A4	scale	1:1
eng	Ruan MT	2014/07/03			ecn no	-		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2014/07/03	product family	PwrBlade	rev	A		
	title	3DCP + 16S + 3ACP RIGHT ANGLE XXX HEADER		dwg no	51939-893			
www.fci.com	cat. no.	-	Product - Customer Drw	sheet 2 of 4				

PRODUCT NUMBER

51939-893\_\_  
NOTE: 3



RECOMMENDED PCB LAYOUT

dr	Ruan MT	2014/06/20	projection 	MM 	size	A4	scale	1:1	
eng	Ruan MT	2014/07/03			ecn no	-			
chr	-	-			rel level	Released			
appr	Pei-Ming Zheng	2014/07/03	product family	PwrBlade					
	title	3DCP + 16S + 3ACP RIGHT ANGLE XXX HEADER			dwg no	51939-893		rev	A
www.fci.com	cat. no.	-	Product - Customer Drw			sheet 3 of 4			



PRODUCT NUMBER

51939-893\_\_  
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 51939-893 AND 51939-893LF RESPECTIVELY.
- 4. MANUFACTURER'S NAME, DATE CODE AND OPTIONAL P/N TO APPEAR ON THIS SURFACE. THE MARK 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.



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chr	-	-							
appr	Pei-Ming Zheng	2014/07/03	product family	PwrBlade	rel level	Released			
	title	3DCP + 16S + 3ACP RIGHT ANGLE XXX HEADER			dwg no	51939-893		rev	A
www.fci.com	cat. no.	-	Product - Customer Drw			sheet 4 of 4			