
















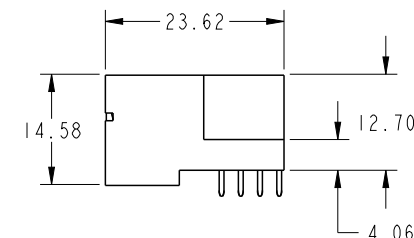
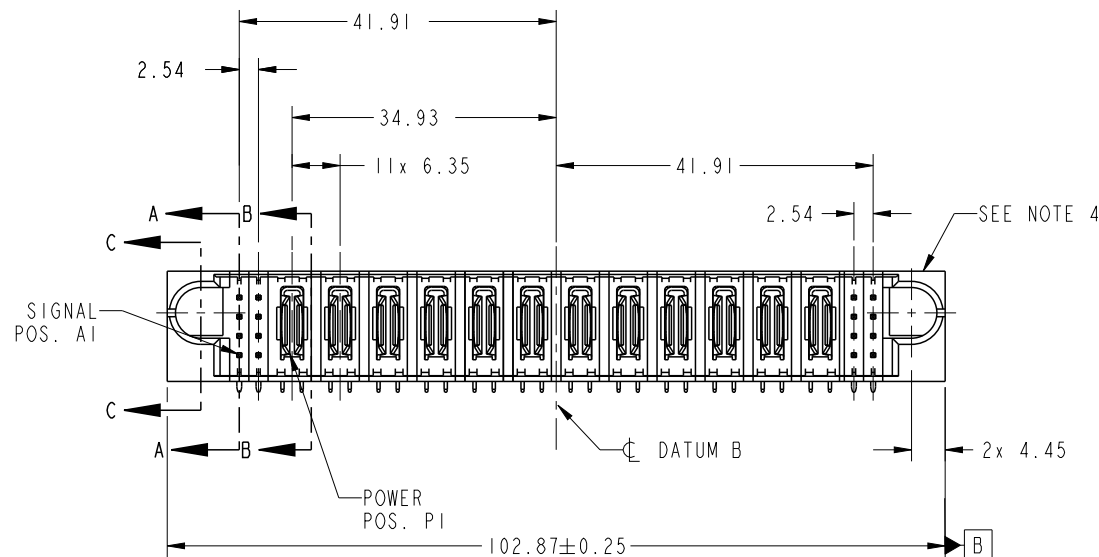


PRODUCT NO.	ROWS	SIG												POWER												SIG		E2
		E1	1	2	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	3	4										
51939-725-- NOTE 3	D C B A																											



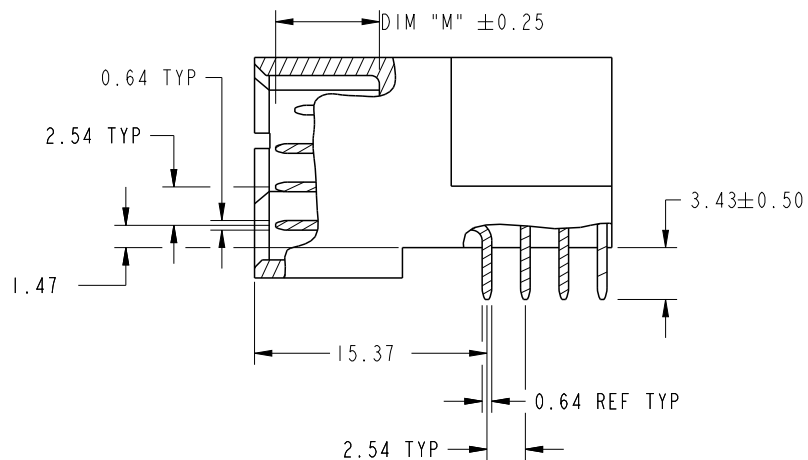
CODE	DIM "M" MATING LENGTH	CONTACT TYPE
U	[6.86]	SIGNAL
T	[6.86]	SIGNAL
S	[6.86]	SIGNAL
R	[6.86]	SIGNAL
E	[5.59]	SIGNAL
H	[5.59]	SIGNAL
PA	[N/A]	POWER

spec ref *				dr	Luo Weller	2012/12/05	projection 	MM 	size	A4	scale	1:1
tolerance std  SEE NOTE	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Luo Weller	2014/07/21			ecn no	-		
				chr	-	-						
				appr	Pei-Ming Zheng	2014/07/21	product family		PwrBlade		rel level <b>Released</b>	
surface ✓	linear	0.X	±0.5		title	8S+12P+8S  RIGHT ANGLE SOLDER HEADER			dwg no	51939-725		rev  <b>A</b>
		0.XX	±0.25									
		0.XXX	±0.1									
	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 1 of 4	

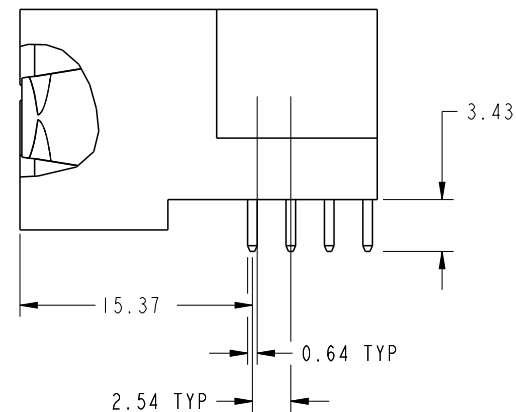
Print File - REV C - 2009-06-09

PRODUCT NUMBER

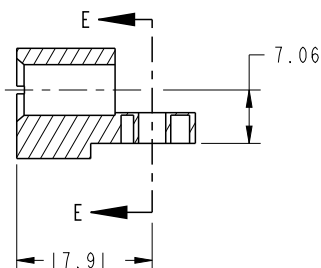
51939-725--  
NOTE: 3



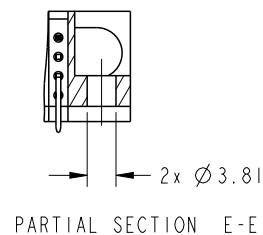
BROKEN-OUT SECTION A-A  
SCALE 2:1



BROKEN-OUT SECTION B-B  
SCALE 2:1



SECTION C-C

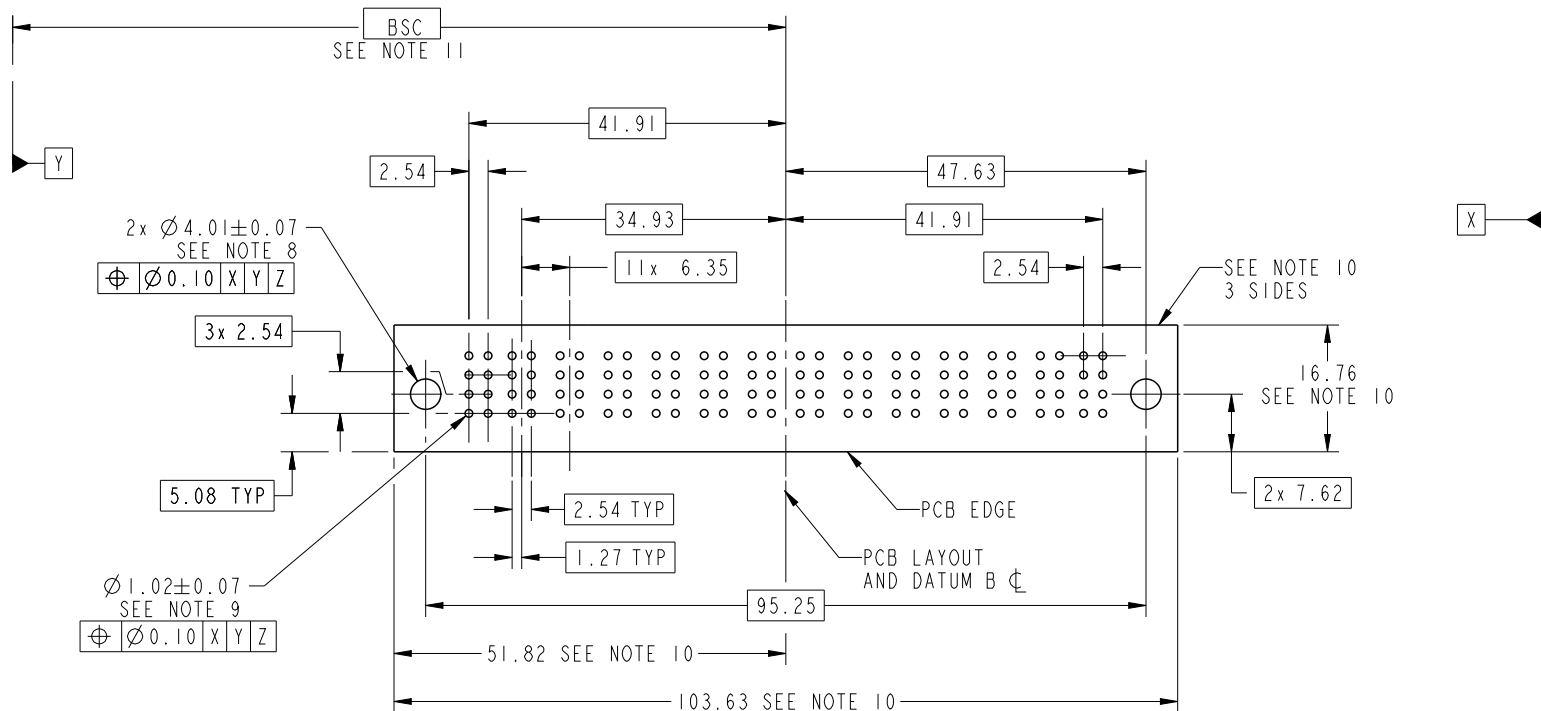


PARTIAL SECTION E-E

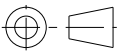


dr	Luo Weller	2012/12/05	projection	MM	size	A4	scale	1:1
eng	Luo Weller	2014/07/21			ecn no	-		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2014/07/21	product family	PwrBlade				
FCI		title	8S+12P+8S RIGHT ANGLE SOLDER HEADER		dwg no	51939-725		rev
www.fci.com		cat. no.	-	Product - Customer Drw	sheet 2 of 4			A

PRODUCT NUMBER

51939-725--  
NOTE: 3



RECOMMENDED PCB LAYOUT

dr	Luo Weller	2012/12/05	<div>projection</div> <div></div>	<div>MM</div> <div></div>	size	A4	scale	1:1		
eng	Luo Weller	2014/07/21			ecn no	-				
chr	-	-								
appr	Pei-Ming Zheng	2014/07/21	product family						PwrBlade	rel level
		title			8S+12P+8S	dwg no		51939-725	rev	A
www.fci.com		cat. no.		-	Product - Customer Drw				sheet 3 of 4	

## PRODUCT NUMBER

51939-725\_\_  
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 &amp; 2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-725 AND 51939-725LF 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:

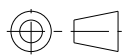
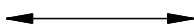

7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

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.

11. DATUM AND BASIC DIMENSIONS ARE ESTABLISHED BY CUSTOMER.

dr	Luo Weller	2012/12/05	<div>projection</div> 	<div>MM</div> 	size	A4	scale	1:1
eng	Luo Weller	2014/07/21						
chr	-	-			ecn no -			
appr	Pei-Ming Zheng	2014/07/21	product family PwrBlade		rel level Released			
	title 8S+12P+8S RIGHT ANGLE SOLDER HEADER				dwg no 51939-725			rev A
www.fci.com	cat. no. -		Product - Customer Drw			sheet 4 of 4		