PRODUCT NO.	ROWS	POWER		SIGNAL	POWER		
		E1	P1	P2	1 2	P3	P4	E2
51939-954__ NOTE 3	D C B A	HA	PA	PA	U U T T S S R R	PA	PA	HA

15.24
1.27
2.54
7.62   7.62
A   7.62
B
C
POWER POS. P1   SEE NOTE 4
C
B   ℄ DATUM B
SIGNAL POS. A1   A   2x 4.45
54.61±0.25   B

23.62
14.58   12.57
5.59
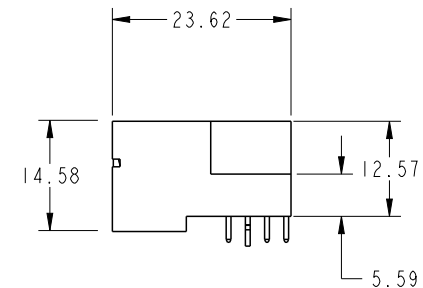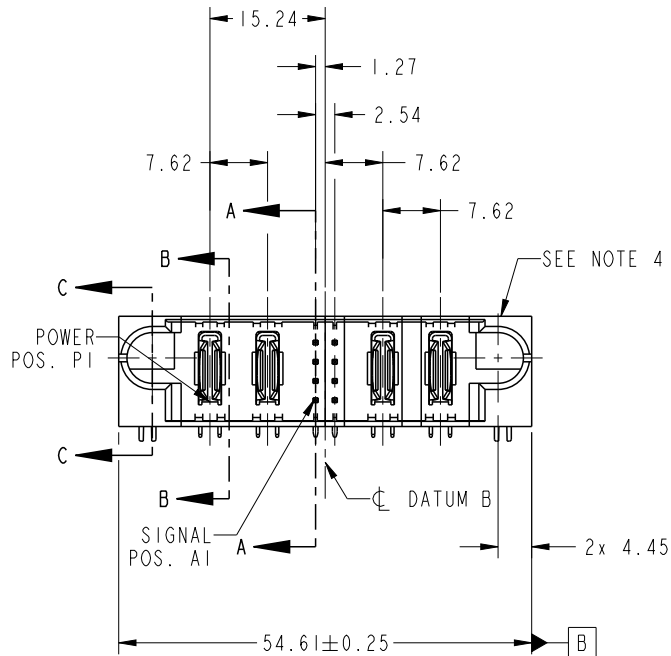
CODE	DIM "M" MATING LENGTH	CONTACT TYPE
U	[6.86]	SIGNAL
T	[6.86]	SIGNAL
S	[6.86]	SIGNAL
R	[6.86]	SIGNAL
PA	[N/A]	POWER
HA	[N/A]	HOLD-DOWN

spec ref	*	dr	Ruan MT	2015/01/14	projection		size	A4	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Luo Weller	2015/02/15		MM				
ASME Y14.5		chr	-	-			ecn no	-		
		appr	Pei-Ming Zheng	2015/02/15	product family	PwrBlade	rel level	Released		

surface — linear

	0.X	±0.5
	0.XX	±0.25
	0.XXX	±0.1

ASME Y14.5   angular   0°   ±2°

title: 2ACP + 8S + 2ACP
RIGHT ANGLE STB HEADER

dwg no: 51939-954
rev: A

cat. no.   -   Product - Customer Drw   sheet 1 of 4

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PDS: Rev :A   STATUS:Released   Printed: Feb 15, 2015

DIM "M" ±0.25

0.64 TYP

2.54 TYP

3.43±0.50

1.47

15.37

0.64 REF TYP

2.54 TYP

BROKEN-OUT SECTION A-A
SCALE 2:1

3.43

15.37

0.64 TYP

2.54 TYP
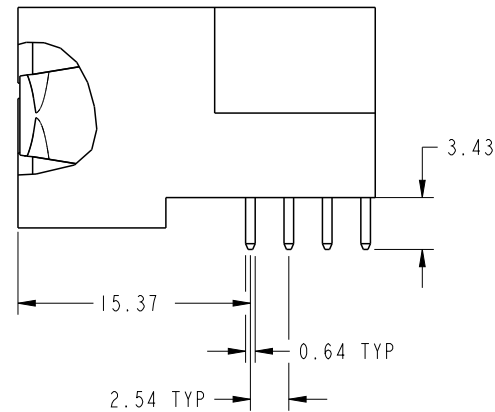
BROKEN-OUT SECTION B-B
SCALE 2:1

7.06

3.94

17.91
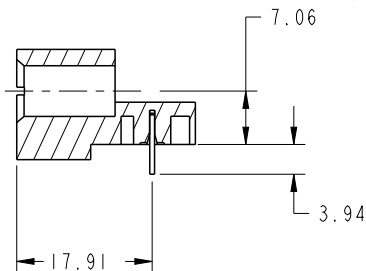
SECTION C-C

dr	Ruan MT	2015/01/14	projection	MM	size	A4	scale	1:1
eng	Luo Weller	2015/02/15						
chr	-	-			ecn no		-	
appr	Pei-Ming Zheng	2015/02/15	product family	PwrBlade	rel level		Released	

title: 2ACP + 8S + 2ACP
RIGHT ANGLE STB HEADER

dwg no: 51939-954

rev: A

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cat. no. -

Product - Customer Drw

sheet 2 of 4

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PRODUCT NUMBER

51939-954__
NOTE: 3

BSC
SEE NOTE 11

Y

46.99

15.24   23.50

2.54

1.27   7.62

7.62   7.62

2x ∅2.49±0.07
SEE NOTE 8
⊕ ∅0.10 X Y Z

X

SEE NOTE 10
3 SIDES

3x 2.54

16.76
SEE NOTE 10

Z

5.08 TYP

DATUM B ₵   PCB EDGE

2x 7.62

∅1.02±0.07 TYP
SEE NOTE 9
⊕ ∅0.10 X Y Z

2.54 TYP

1.27 TYP

27.69 SEE NOTE 10

55.37 SEE NOTE 10
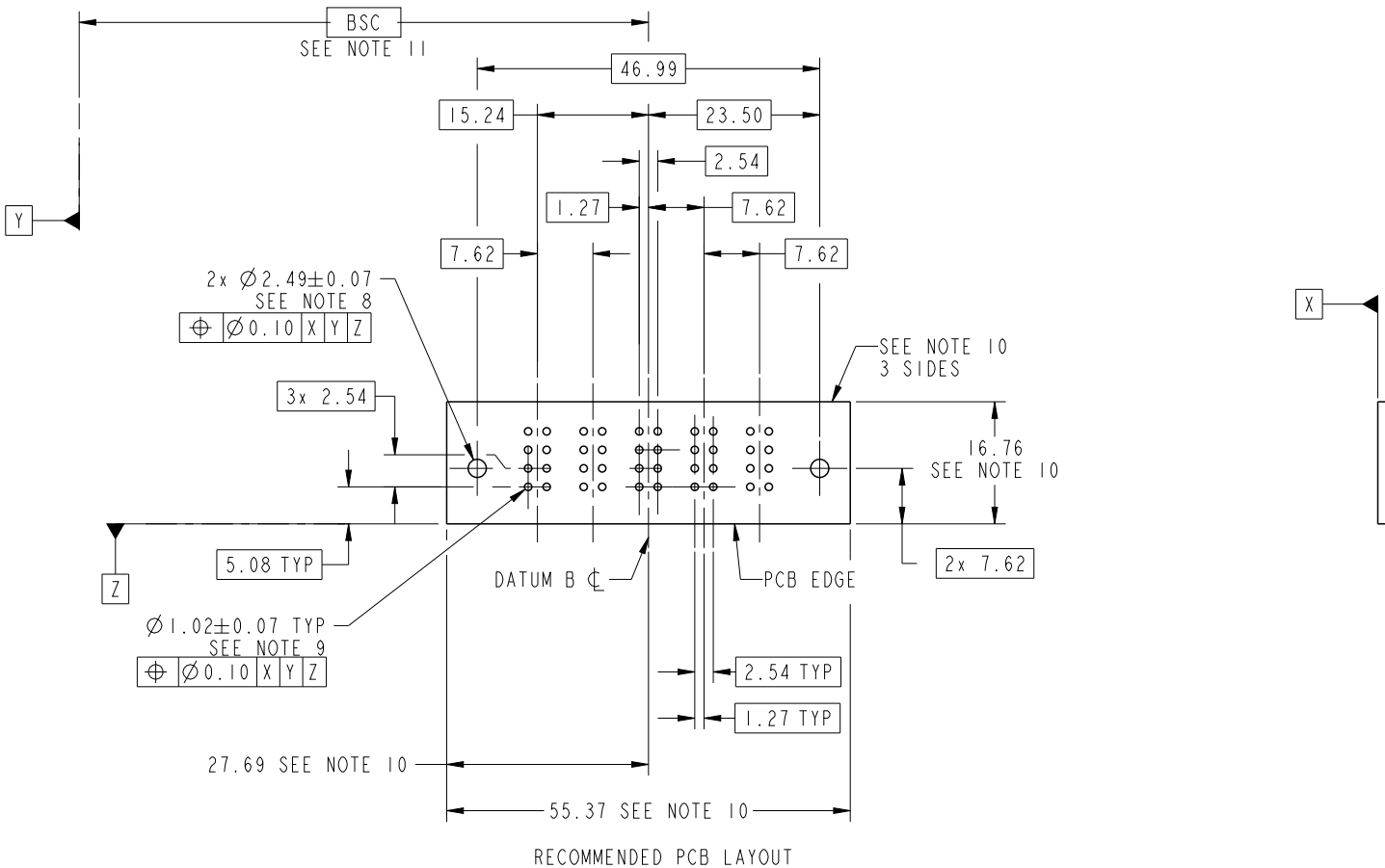
RECOMMENDED PCB LAYOUT

dr	Ruan MT	2015/01/14	projection	MM	size A4	scale 1:1
eng	Luo Weller	2015/02/15				
chr	-	-			ecn no	-
appr	Pei-Ming Zheng	2015/02/15	product family	PwrBlade	rel level	**Released**

title 2ACP + 8S + 2ACP
RIGHT ANGLE STB HEADER

dwg no 51939-954

rev A

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PRODUCT NUMBER

51939-954__
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 51939-954 AND 51939-954LF 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. ∅1.151±0.025 DRILLED HOLES PLATED WITH

   0.008 MIN SnPb OR Sn OVER 0.03
   TO 0.08 Cu PLATING TO ACHIEVE
   ∅1.02±0.07 HOLE.

10. CONNECTOR KEEP-OUT ZONE.

11. DATUM AND BASIC DIMENIONS ARE ESTABLISHED BY CUSTOMER.

Copyright FCI.

dr	Ruan MT	2015/01/14	projection		MM	size	A4	scale	1:1
eng	Luo Weller	2015/02/15							
chr	-	-				ecn no		-	
appr	Pei-Ming Zheng	2015/02/15	product family	PwrBlade		rel level		**Released**	

title: **2ACP + 8S + 2ACP**
RIGHT ANGLE STB HEADER

dwg no: **51939-954**

rev **A**

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