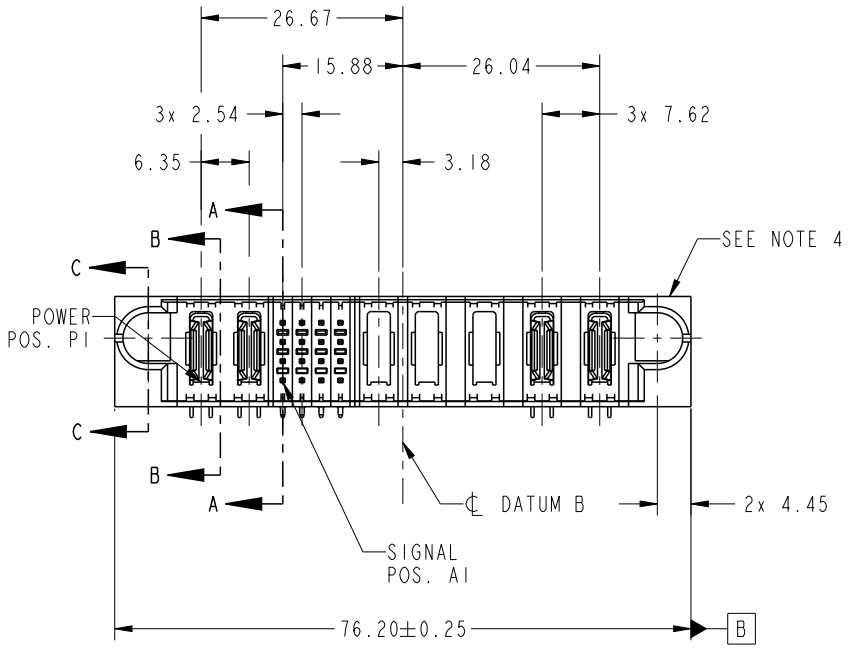
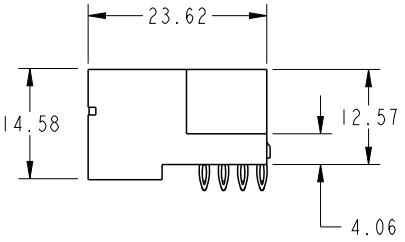
PRODUCT NO.	ROWS	POWER	SIGNAL						POWER			
		E1	P1	P2	1	2	3	4	P3	P4	P5	P6	P7	E2
51939-97INSPLF	D C B A		PX	PX	LD LC LB LA	SD SC SB SA	LD LC LB LA	SD SC SB SA	X	X	X	PX	PX	

CODE	DIM "M" MATING LENGTH	CONTACT TYPE
LD	[5.59]	SIGNAL
LC	[5.59]	SIGNAL
LB	[5.59]	SIGNAL
LA	[5.59]	SIGNAL
SA	[6.86]	SIGNAL
SB	[6.86]	SIGNAL
SC	[6.86]	SIGNAL
SD	[6.86]	SIGNAL
PX	[N/A]	POWER
X	OMITTED	





spec ref	*			dr	De-Ming Lu	2015/05/20	projection
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	De-Ming Lu	2015/07/16	MM
ASME Y14.5				chr	Fancy Zhang	2015/07/16	size A4 / scale 1:1
				appr	Pei-Ming Zheng	2015/07/16	ecn no -
surface	linear	0.X	±0.5				product family PwrBlade / rel level Released
		0.XX	±0.25				
		0.XXX	±0.1				
ASME Y14.5	angular	0°	±2°				

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title: 2P + 16S + 2P + 3ACP
RIGHT ANGLE PRESS-FIT HEADER

dwg no: 51939-97INSP

rev: A

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

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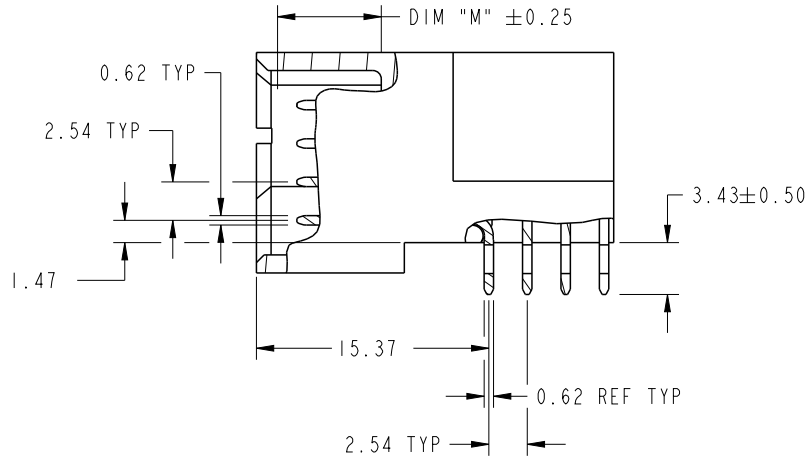
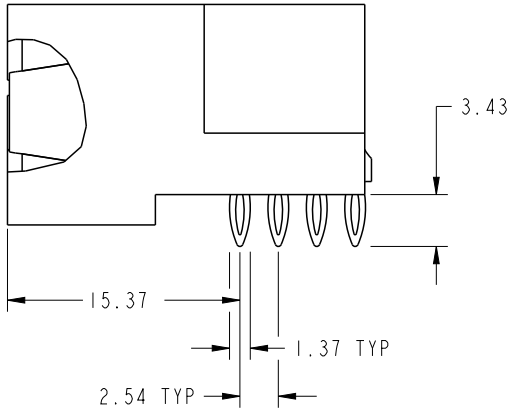
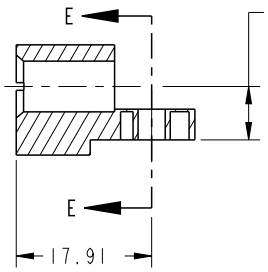
PRODUCT NUMBER
51939-971NSPLF



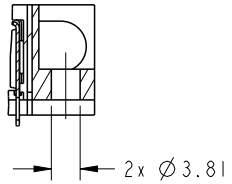
BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C



PARTIAL SECTION E-E

dr	De-Ming Lu	2015/05/20	projection	MM	size A4	scale 1:1
eng	De-Ming Lu	2015/07/16			ecn no -	
chr	Fancy Zhang	2015/07/16				
appr	Pei-Ming Zheng	2015/07/16	product family	PwrBlade	rel level	Released

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	cat. no. -	Product - Customer Drw	sheet 2 of 4

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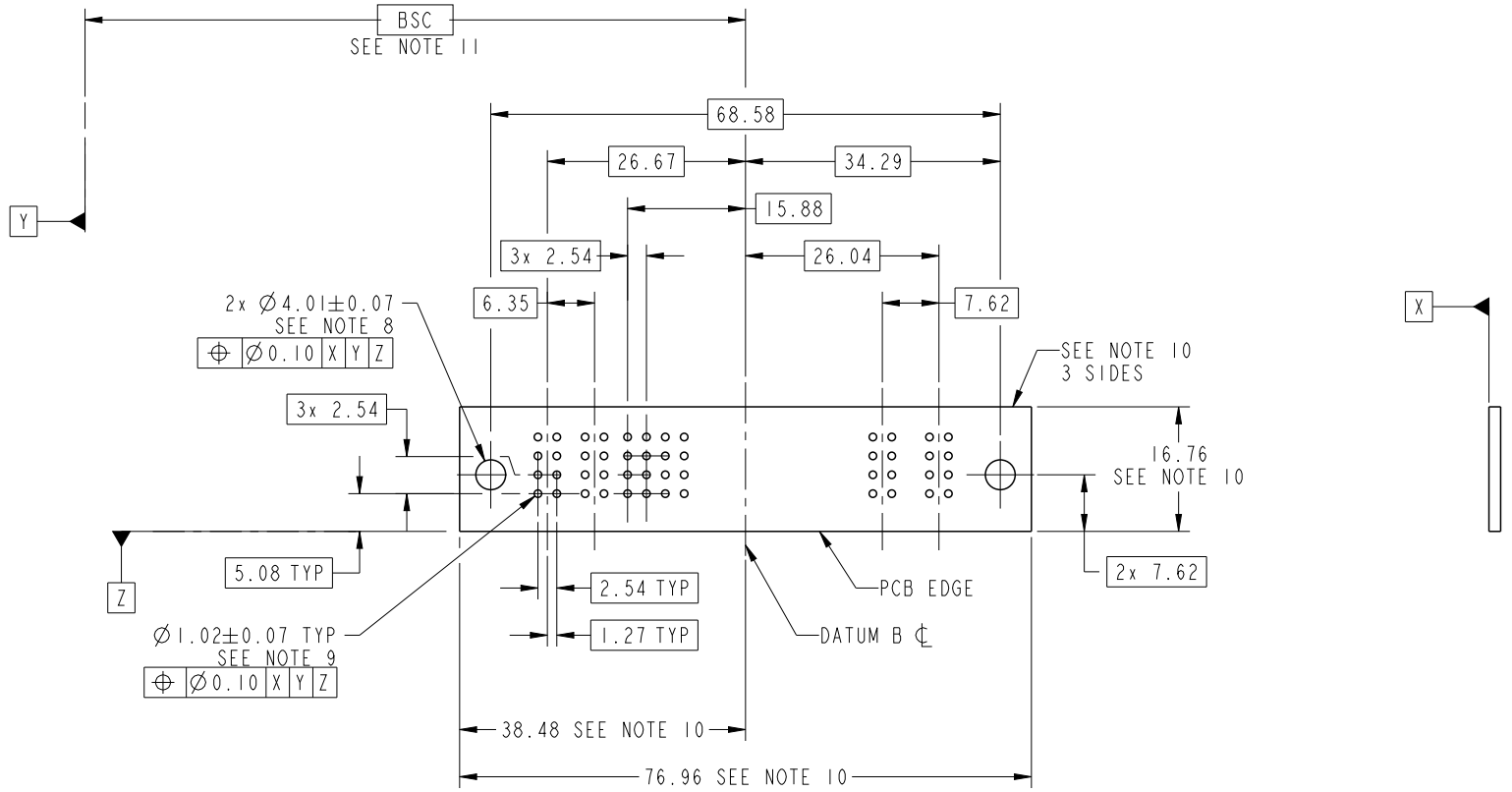
PRODUCT NUMBER
51939-971NSPLF



RECOMMENDED PCB LAYOUT

dr	De-Ming Lu	2015/05/20
eng	De-Ming Lu	2015/07/16
chr	Fancy Zhang	2015/07/16
appr	Pei-Ming Zheng	2015/07/16

projection | MM | size A4 | scale 1:1

ecn no -

product family PwrBlade | rel level **Released**

title: 2P + 16S + 2P + 3ACP
RIGHT ANGLE PRESS-FIT HEADER

dwg no 51939-971NSP | rev **A**

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PRODUCT NUMBER
51939-97INSPLF

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 3 & 4 IN PRINT 10064183 FOR PLATING SPEC OF 51939-97INSPLF.

(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.

dr	De-Ming Lu	2015/05/20
eng	De-Ming Lu	2015/07/16
chr	Fancy Zhang	2015/07/16
appr	Pei-Ming Zheng	2015/07/16

projection | MM | size A4 | scale 1:1

ecn no -

product family PwrBlade | rel level **Released**

www.fci.com

title: 2P + 16S + 2P + 3ACP RIGHT ANGLE PRESS-FIT HEADER

dwg no 51939-97INSP | rev **A**

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

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PDS: Rev :A STATUS:Released Printed: Jul 20, 2015