

PRODUCT NO.	ROWS	POWER SIGNAL							
		E1	P1	P2	P3	P4	P5	1 2	E2
51952-253 NOTE(3)	D C B A								

A

A

B

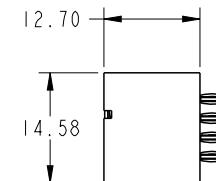
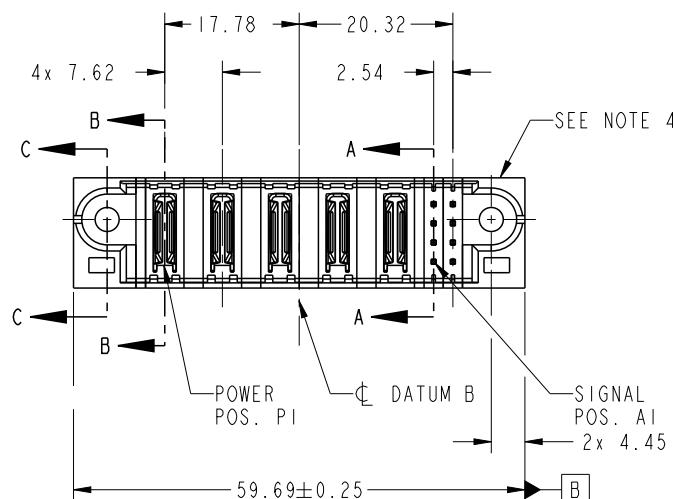
B

C

C

D

D



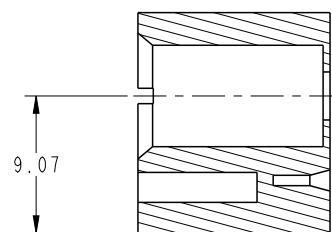
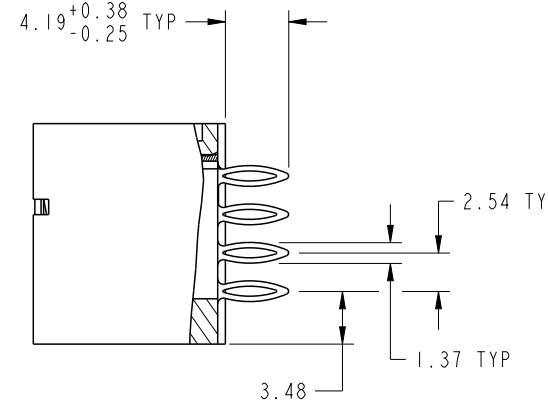
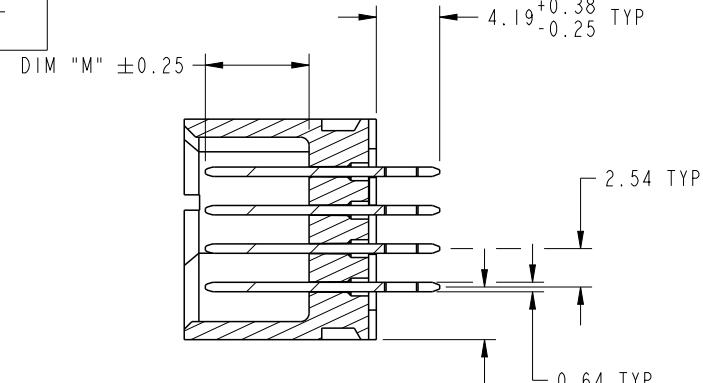
CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PC	[N/A]	POWER
G	[6.86]	SIGNAL

spec ref	See Notes		dr	Jackie Huang	2013/07/16	projection	MM	size	A4	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Jackie Huang	2013/11/08			ecn no		
See Notes			chr	-	-	product family	PwrBlade	rel level	Released	
surface	✓	linear	0.X	±0.50	FCI	5ACP+8S	dwg no	51952-253	rev	A
			0.XX	±0.25		+ VERTICAL PF HEADER				
			0.XXX	±0.10						
		angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw	sheet 1 of 4		

FCI

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PRODUCT NUMBER
51952-253--
NOTE 3



dr	Jackie Huang	2013/07/16	projection	MM	size	A4	scale
eng	Jackie Huang	2013/11/08					
chr	-	-			ecn no	-	
appr	Pei-Ming Zheng	2013/11/08	product family	PwrBlade	rel level	Released	
FCI		5ACP+8S VERTICAL PF HEADER				dwg no	51952-253
www.fci.com		cat. no.		Product - Customer Drw		sheet 2 of 4	

FCI

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PRODUCT NUMBER
51952-253
NOTE 3

1

2

3

4

A

A

B

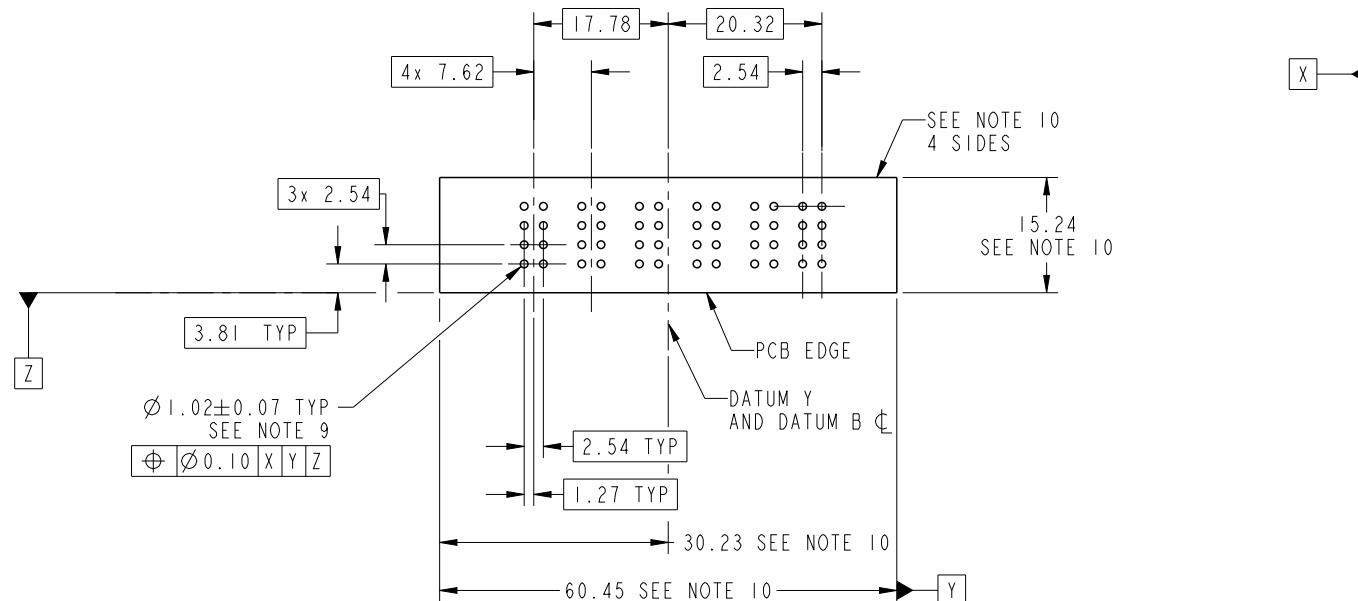
B

C

C

D

D



RECOMMENDED PCB LAYOUT

dr	Jackie Huang	2013/07/16	projection	MM	size	A4	scale
eng	Jackie Huang	2013/11/08					
chr	-	-					
appr	Pei-Ming Zheng	2013/11/08	product family	PwrBlade	rel level	Released	
		5ACP+8S + VERTICAL PF HEADER			dwg no	51952-253	
www.fci.com		cat. no.		Product - Customer Drw		sheet 3 of 4	

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2

3

4

PRODUCT NUMBER

51952-253
NOTE 3

NOTES:

A

1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.

A

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 51952-253 AND 51952-253LF RESPECTIVELY.

B

(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.

B

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 .001 [0.03] TO 0.08 Cu PLATING TO ACHIEVE $\varnothing 1.02 \pm 0.07$ HOLE.

(10) CONNECTOR KEEP-OUT ZONE.

11. FOR PRESS FIT APPLICATION USE FCI CAM TOOL 430169-XXX.

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dr	Jackie Huang	2013/07/16	projection	MM	size	A4	scale
eng	Jackie Huang	2013/11/08			ecn no		
chr	-	-					
appr	Pei-Ming Zheng	2013/11/08	product family	PwrBlade	rel level	Released	
		5ACP+8S + VERTICAL PF HEADER			dwg no	51952-253	rev A
www.fci.com		cat. no.		Product - Customer Drw		sheet 4 of 4	