

1

2

3

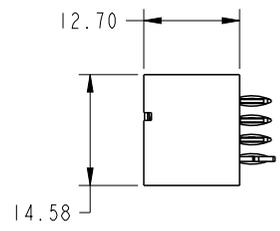
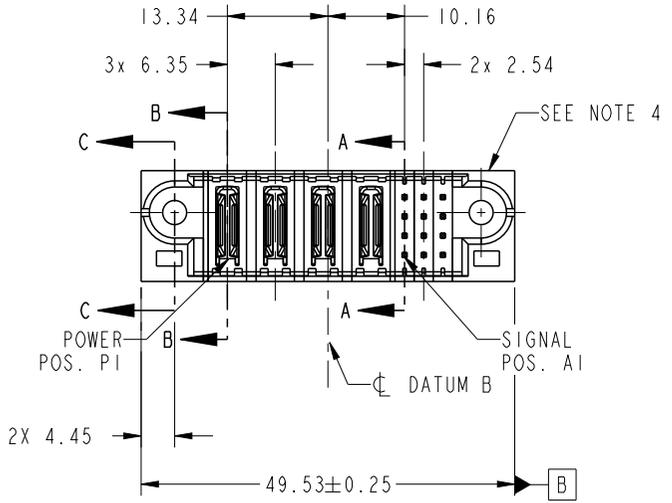
4

PRODUCT NO.	ROWS	POWER				SIGNAL				
		E1	P1	P2	P3	P4	1	2	3	E2
51952-278-- NOTE ③	DCBA									

A

B

C



A

B

C

CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PC	[N/A]	POWER
K	[5.59]	SIGNAL
G	[6.86]	SIGNAL
HA	[N/A]	HOLD-DOWN



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D

spec ref	See Notes		dr	De-Ming Lu	2014/03/25	projection 	MM 	size	A4	scale	1:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	De-Ming Lu	2014/03/27			ecn no	-					
See Notes			chr	-	-			rel level	Released					
surface <input checked="" type="checkbox"/>	linear	0.X	±0.50	www.fci.com	cat. no.	Product - Customer Drw	sheet 1 of 4	title	4P + 12S	VERTICAL PRESS FIT HEADER	dwg no	51952-278	rev	A
		0.XX	±0.25											
0.XXX	±0.10													
	angular	0°	±2°											

PrdE File - REV C - 2009-06-09

2

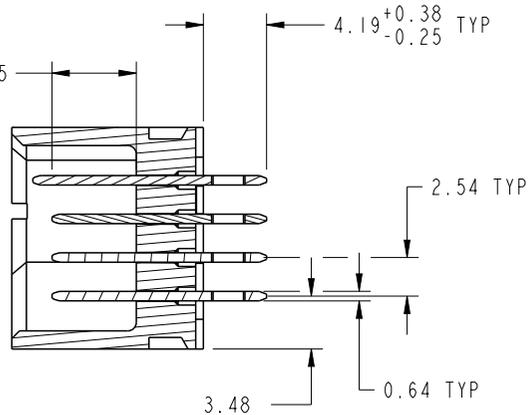
3

4

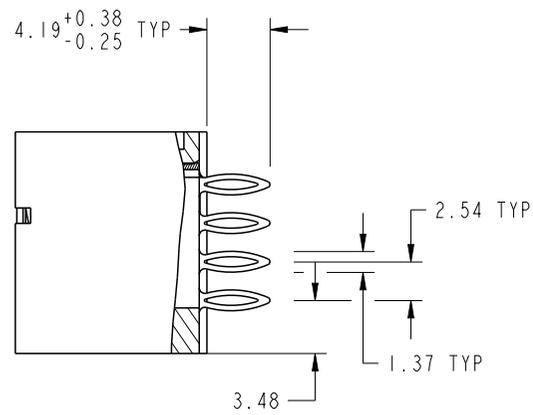
PRODUCT NUMBER

51952-278--  
NOTE 3

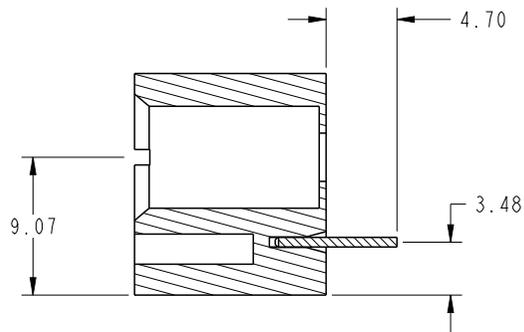
DIM "M" ±0.25



SECTION A-A  
SCALE 2:1



SECTION B-B  
SCALE 2:1



SECTION C-C  
SCALE 2:1

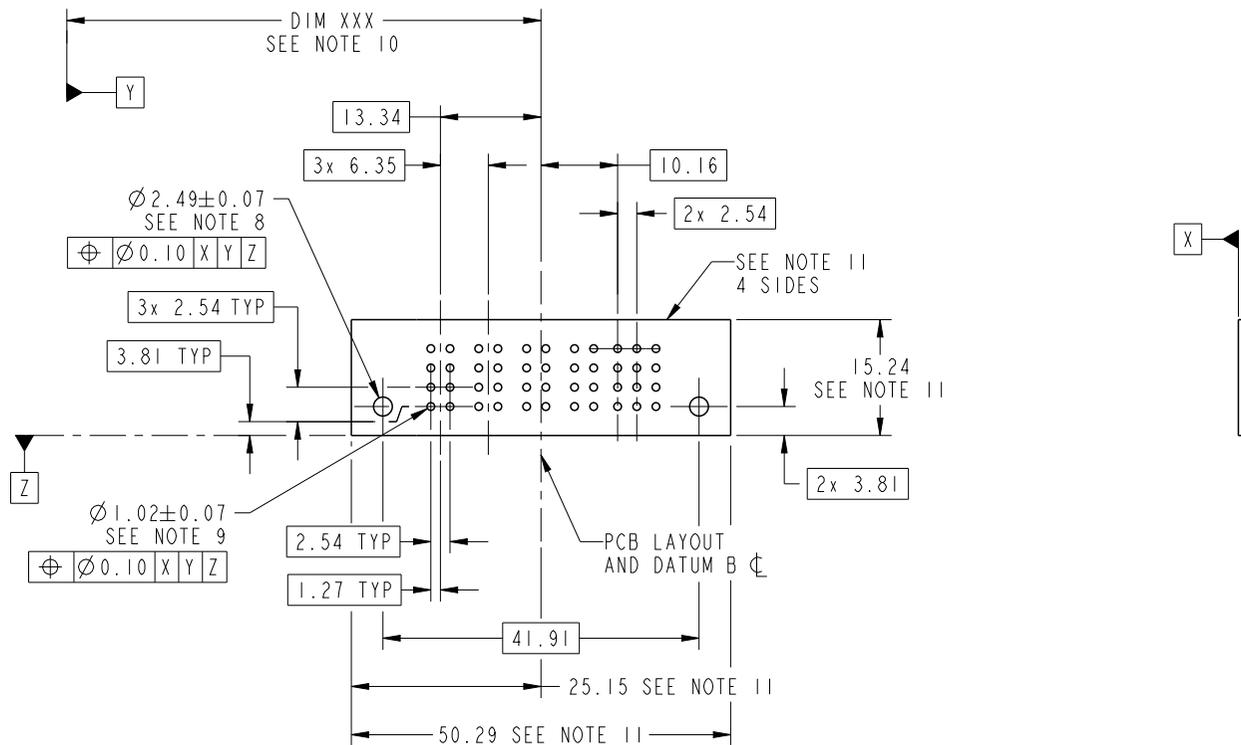
dr	De-Ming Lu	2014/03/25	projection 	MM 	size	A4	scale	1:1	
eng	De-Ming Lu	2014/03/27			ecn no	-			
chr	-	-			rel level	Released			
appr	Pei-Ming Zheng	2014/03/27	product family	PwrBlade					
		title	4P + 12S VERTICAL PRESS FIT HEADER		dwg no	51952-278		rev	A
www.fci.com		cat. no.	Product - Customer Drw			sheet 2 of 4			



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PRODUCT NUMBER

51952-278\_\_  
NOTE 3



RECOMMENDED PCB LAYOUT

dr	De-Ming Lu	2014/03/25	projection 	MM 	size	A4	scale	1:1
eng	De-Ming Lu	2014/03/27			ecn no	-		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2014/03/27	product family	PwrBlade				
	title	4P + 12S VERTICAL PRESS FIT HEADER		dwg no	51952-278		rev	A
www.fci.com	cat. no.	Product - Customer Drw			sheet 3 of 4			

PRODUCT NUMBER

51952-278\_\_  
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 3 & 4 IN PRINT 10064183 FOR PLATING SPEC OF 51952-278 AND 51952-278LF RESPECTIVELY.
  - ④ MANUFACTURER'S NAME, DATE CODE AND OPTIONAL P/N TO APPEAR ON THIS SURFACE. THE P/N 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 .001 [0.03] TO 0.08 Cu PLATING TO ACHIEVE  $\varnothing 1.02 \pm 0.07$  HOLE.
  - ⑩ "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
  - ⑪ CONNECTOR KEEP-OUT ZONE.
12. FOR PRESS FIT APPLICATION USE FCI CAM TOOL 430169-XXX.



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eng	De-Ming Lu	2014/03/27			ecn no	-		
chr	-	-						
appr	Pei-Ming Zheng	2014/03/27	product family	PwrBlade	rel level	Released		
	title	4P + 12S VERTICAL PRESS FIT HEADER		dwg no	51952-278		rev	A
www.fci.com	cat. no.	Product - Customer Drw			sheet 4 of 4			