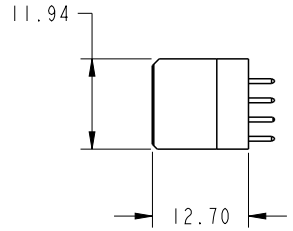
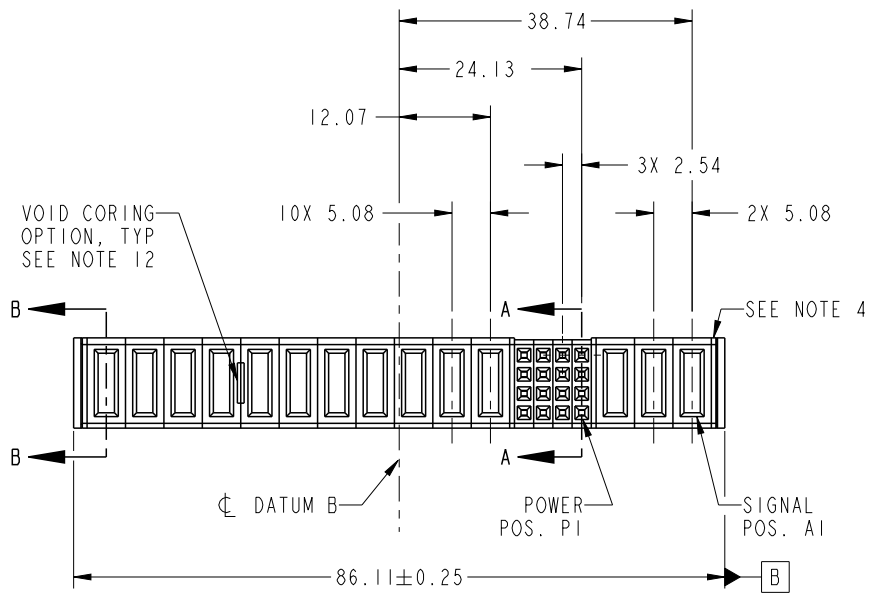




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PRODUCT NO.	ROWS	POWER												SIGNAL			POWER		
		P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	4	3	2	1	P3	P2	P1
51940-390-- NOTE: 3	D C B A	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	PD	E	E	E	E	PA	PD	PD



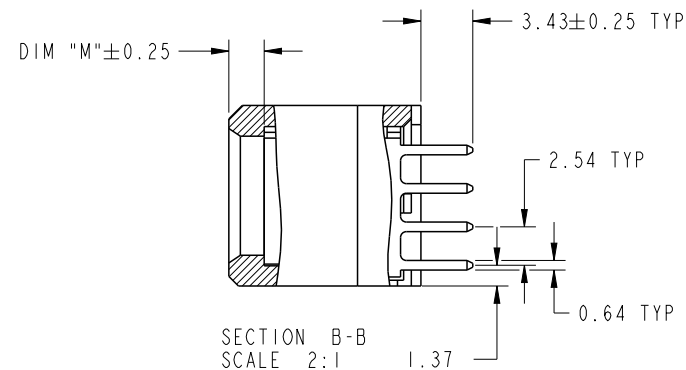
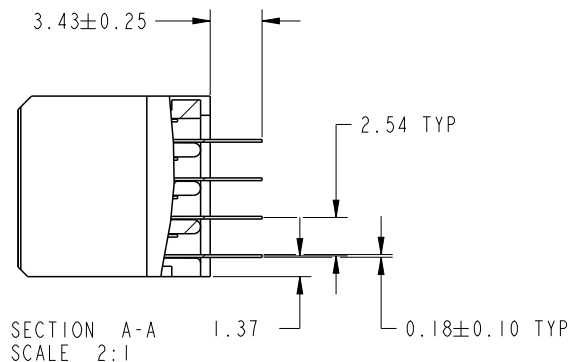
CODE	DIM "M" MATING LENGTH	CONTACT TYPE
E	[N/A]	SIGNAL
PD	[2.34]	POWER
PA	[1.07]	POWER

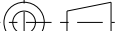



spec ref		See Notes		dr		X Q Wang		2011/06/04		projection		MM		size		A4		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Guang, Shi		2011/07/05						ecn no		-					
chr				-		-															
appr				Pei-Ming Zheng		2011/07/05		product family						PwrBlade		rel level		Released			
surface		linear		0.X		±0.5				title		3P + 16S + 11P		dwg no		51940-390		rev		A	
				0.XX		±0.25															
				0.XXX		±0.1															
		angular		0°		±2°		www.fci.com		cat. no.		Product - Customer Drw		sheet 1 of 4							

PrintE File - REV C - 2009-06-09

PRODUCT NUMBER

51940-390__
NOTE: 3



spec ref		See Notes			dr	X Q Wang	2011/06/04	projection 	MM 	size	A4	scale	1:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Guang, Shi	2011/07/05			ecn no	-				
See Notes					chr	-	-								
					appr	Pei-Ming Zheng	2011/07/05	product family		PwrBlade		rel level		Released	
surface 	linear	0.X	±0.5			title 3P + 16S + 11P VERTICAL SOLDER RECEPT					dwg no	51940-390		rev	A
		0.XX	±0.25												
		0.XXX	±0.1												
		angular	0°	±2°		www.fci.com	cat. no.			Product - Customer Drw			sheet 2 of 4		

PrintE File - REV C - 2009-06-09

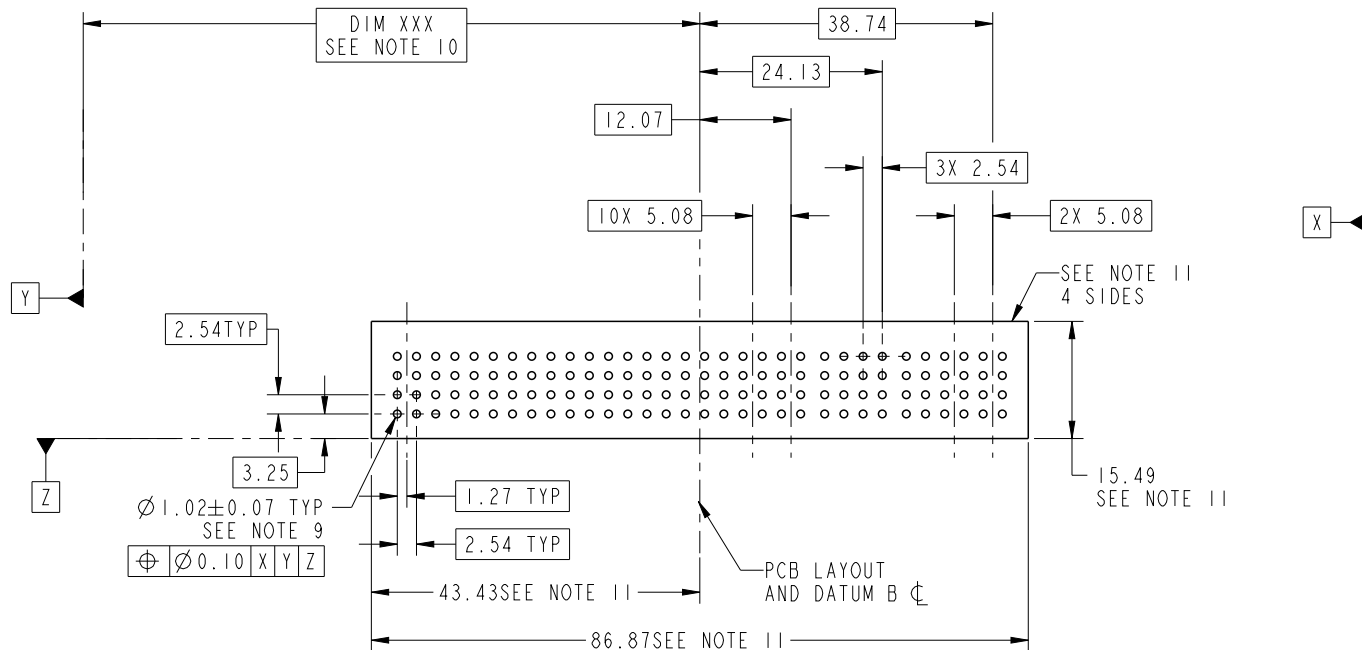
PDS: Rev :A

STATUS:Released

Printed: Feb 12, 2024

PRODUCT NUMBER

51940-390--
NOTE: 3



RECOMMENDED PCB LAYOUT

spec ref		See Notes			dr		X Q Wang	2011/06/04	projection		MM		size		A4	scale		1:1						
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Guang, Shi	2011/07/05					ecn no		-									
See Notes					chr		-	-																
					appr		Pei-Ming Zheng	2011/07/05	product family				PwrBlade				rel level				Released			
surface		linear		0.X	±0.5			title				3P + 16S + 11P				dwg no		51940-390				rev		A
				0.XX	±0.25																			
				0.XXX	±0.1																			
				angular	0°	±2°	www.fci.com				cat. no.				Product - Customer Drw				sheet 3 of 4					



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PRODUCT NUMBER

51940-390__
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 5 & 6 IN PRINT 10064183 FOR PLATING SPEC OF 51940-390 AND 51940-390LF 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 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. THE VOID CORING IN BETWEEN POWER MODULES, SIGNAL MODULES AND END MODULES ARE
OPTIONAL AND THE SHAPE MAY BE DIFFERENT FOR OPTIMIZE THE MOLDING PROCESS. THE VOID
CORING WILL NOT EFFECT TO PRODUCT FUNCTION.

spec ref	See Notes			dr	X Q Wang	2011/06/04	projection 	MM 	size	A4	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Guang, Shi	2011/07/05			ecn no	-		
See Notes				chr	-	-						
				appr	Pei-Ming Zheng	2011/07/05	product family	PwrBlade	rel level	Released		
surface	linear	0.X	± 0.5		title	3P + 16S + 11P VERTICAL SOLDER RECEPT			dwg no	51940-390		rev
		0.XX	± 0.25									
		0.XXX	± 0.1									
angular	0°	$\pm 2^\circ$	www.fci.com	cat. no.	Product - Customer Drw				sheet 4 of 4			