

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

A

A

B

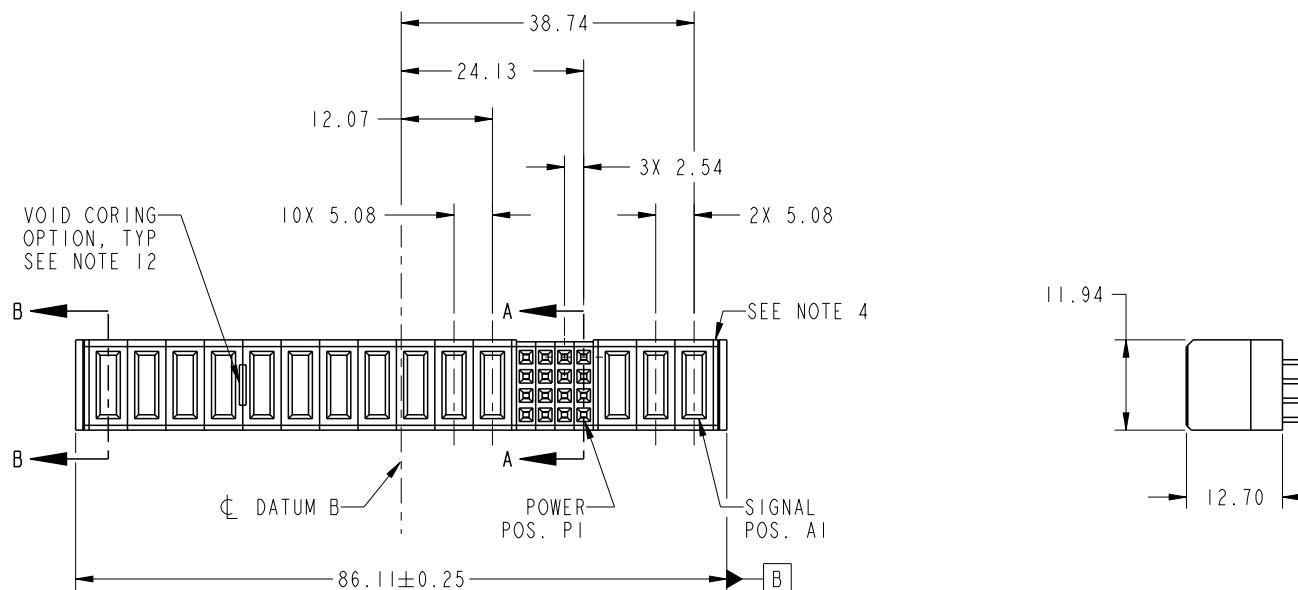
B

C

C

D

D



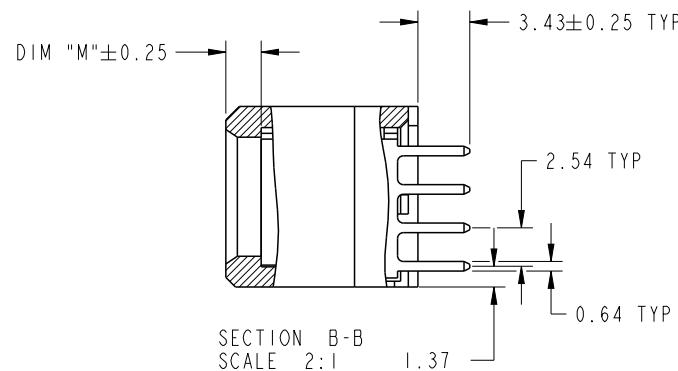
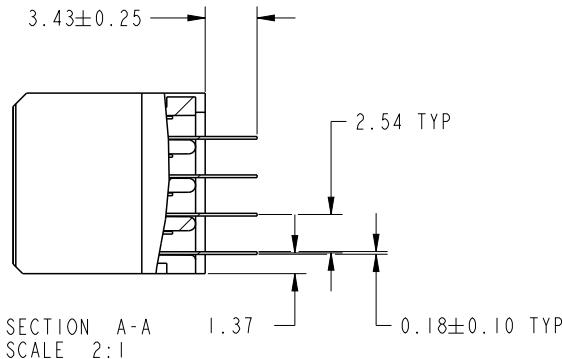
CODE	DIM "M" MATING LENGTH	CONTACT TYPE
E	[N/A]	SIGNAL
PD	[2.34]	POWER
PA	[1.07]	POWER

spec ref	See Notes		dr	X Q Wang		2011/06/04	projection	MM	size	scale		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Guang, Shi		2011/07/05	product family	PwrBlade	A4	1:1		
See Notes			chr	-		-						
surface	✓	linear	appr	Pei-Ming Zheng		2011/07/05						
		0.X	±0.5	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 1 of 4			

PRODUCT NUMBER	51940-390--
NOTE:	3

A

A



B

B

C

C

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spec ref See Notes  
tolerance std TOLERANCES UNLESS  
See Notes OTHERWISE SPECIFIED



3P + 16S + 11P  
+ VERTICAL SOLDER RECEPT

www.fci.com

cat. no.

Product - Customer Drw  
51940-390

scale  
1:1

ecn no

-

rel level

Released

rev

A

surface	✓	linear	0.X	±0.5	projection	MM	size	A4	scale
			0.XX	±0.25					
			0.XXX	±0.1					
		angular	0°	±2°	product family	PwrBlade	ecn no		

PRODUCT NUMBER
51940-390
NOTE: 3

A

A

B

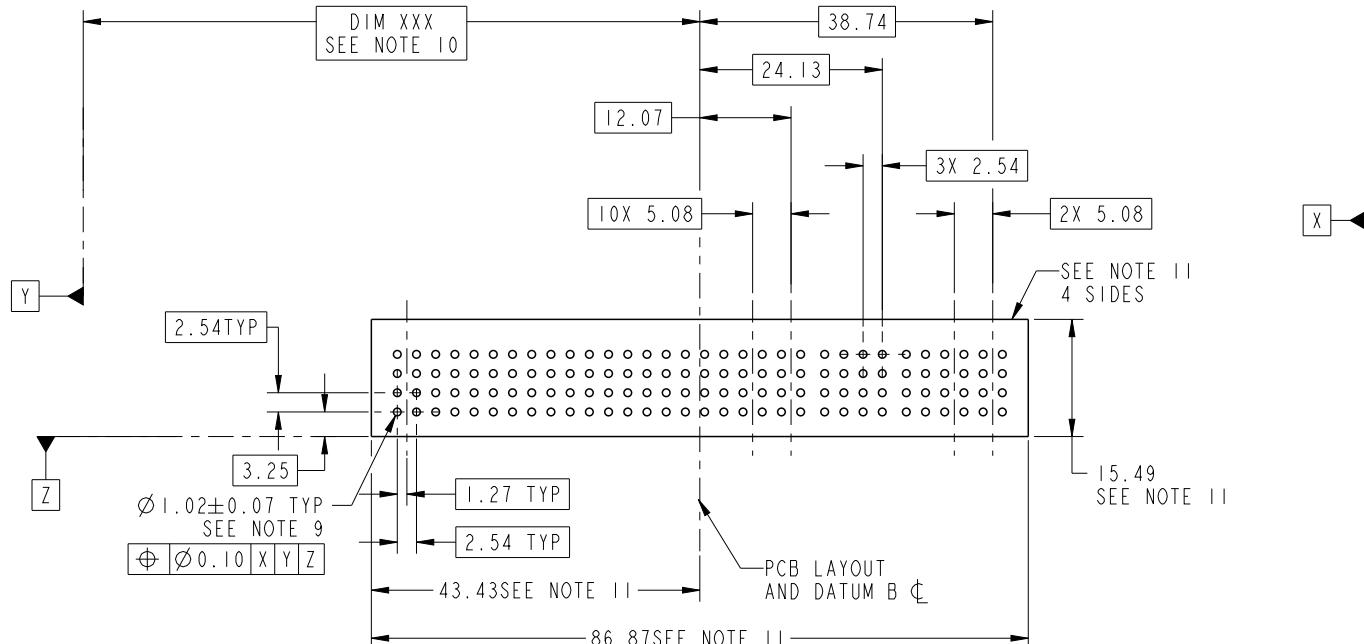
B

C

C

D

D



RECOMMENDED PCB LAYOUT

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

PRODUCT NUMBER	51940-390_
	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 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)  $\phi 1.151 \pm 0.025$  DRILLED HOLES PLATED WITH 0.008 MIN SnPb OR Sn OVER 0.03 TO 0.08 Cu PLATING TO ACHIEVE  $\phi 1.02 \pm 0.07$  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.

B

B

C

C

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D

D

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