

PRODUCT NO.	ROWS	POWER				SIGNAL		POWER				E1				
		E2	P10	P9	P8	P7	3	2	1	P6	P5	P4	P3	P2	P1	E1
51915-387-- NOTE 3	D C B A		PF	PF	PF	PF	S	R	R	PF	PF	PF	PF	PE	PE	

A

A

B

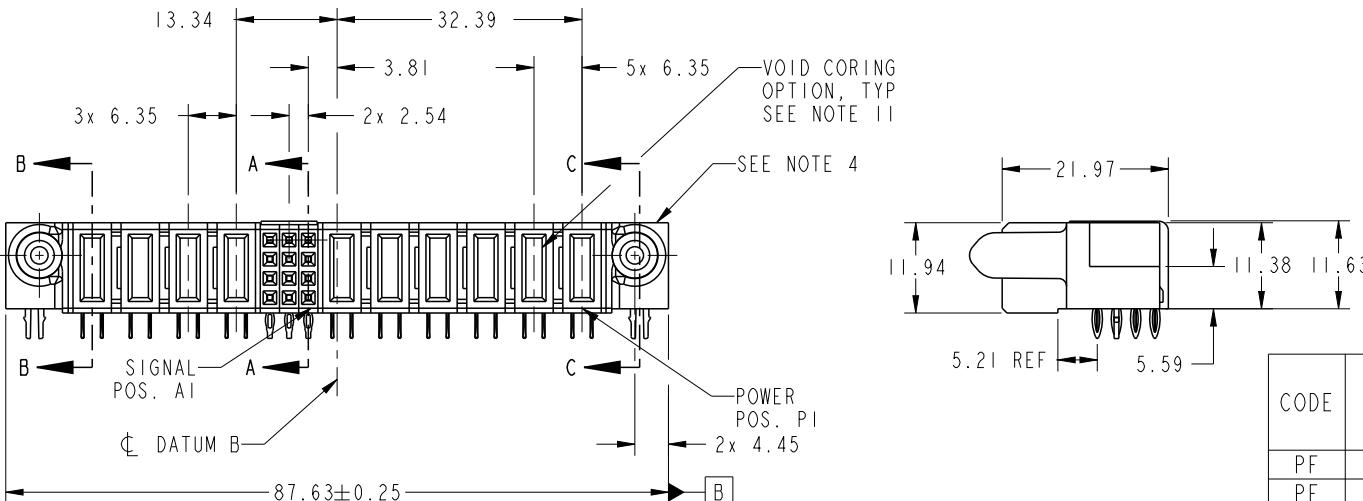
B

C

C

D

D



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PF	[2.34]	POWER
PE	[1.07]	POWER
S	[N/A]	SIGNAL
R	[N/A]	SIGNAL
P	[N/A]	SIGNAL
N	[N/A]	SIGNAL
HA	[N/A]	HOLD-DOWN

spec ref	SEE NOTES			dr	Luo Weller	2013/01/21	projection	MM	size	scale	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Luo Weller	2013/03/26					
SEE NOTES				chr	-	-	rel level		ecn no		
surface	✓	linear	angular	appr	Pei-Ming Zheng	2013/03/26	product family	PwrBlade	A4	1 : 1	Released
		0.X	±0.50			6P+12S+4P					
		0.XX	±0.25								
		0.XXX	±0.10								
		0°	±2°			R/A PRESS-FIT RECEPTACLE					
					www.fci.com	cat. no.					
							Product - Customer Drw				
											sheet 1 of 4

PRODUCT NUMBER

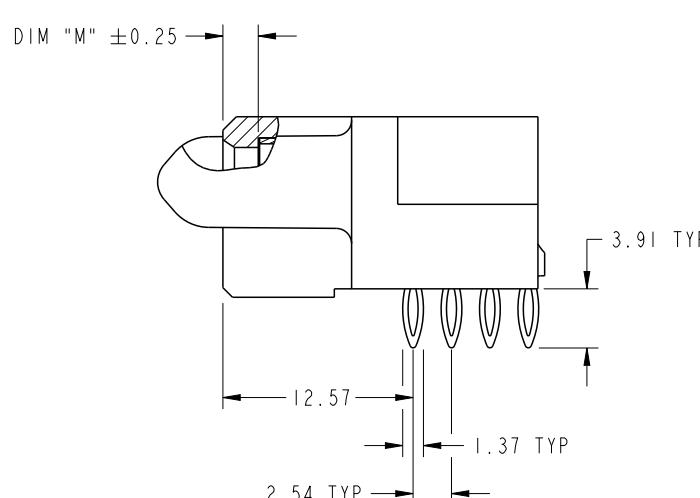
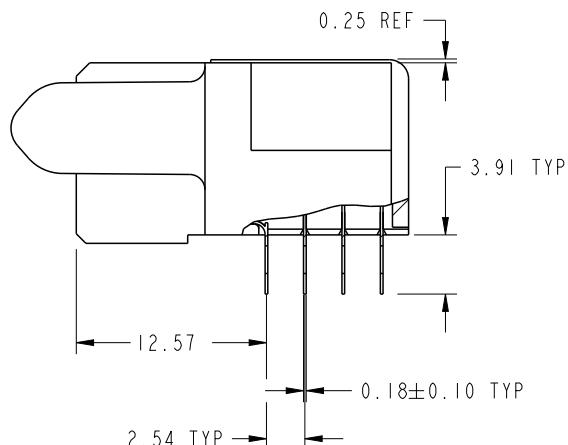
51915-387
NOTE 3

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A

BROKEN-OUT SECTION A-A
SCALE 2:1BROKEN-OUT SECTION B-B
SCALE 2:1

B

C

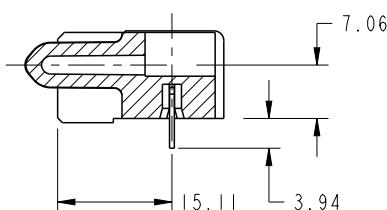
D

A

B

C

D



SECTION C-C

dr	Luo Weller	2013/01/21	projection	MM	size	A4	scale
eng	Luo Weller	2013/03/26					
chr	-	-			ecn no	-	
appr	Pei-Ming Zheng	2013/03/26	product family	PwrBlade	rel level	Released	
FCI		6P+12S+4P R/A PRESS-FIT RECEPTACLE			dwg no	51915-387	
www.fci.com		cat. no.			rev	A	
				Product - Customer Drw		sheet 2 of 4	

FCI

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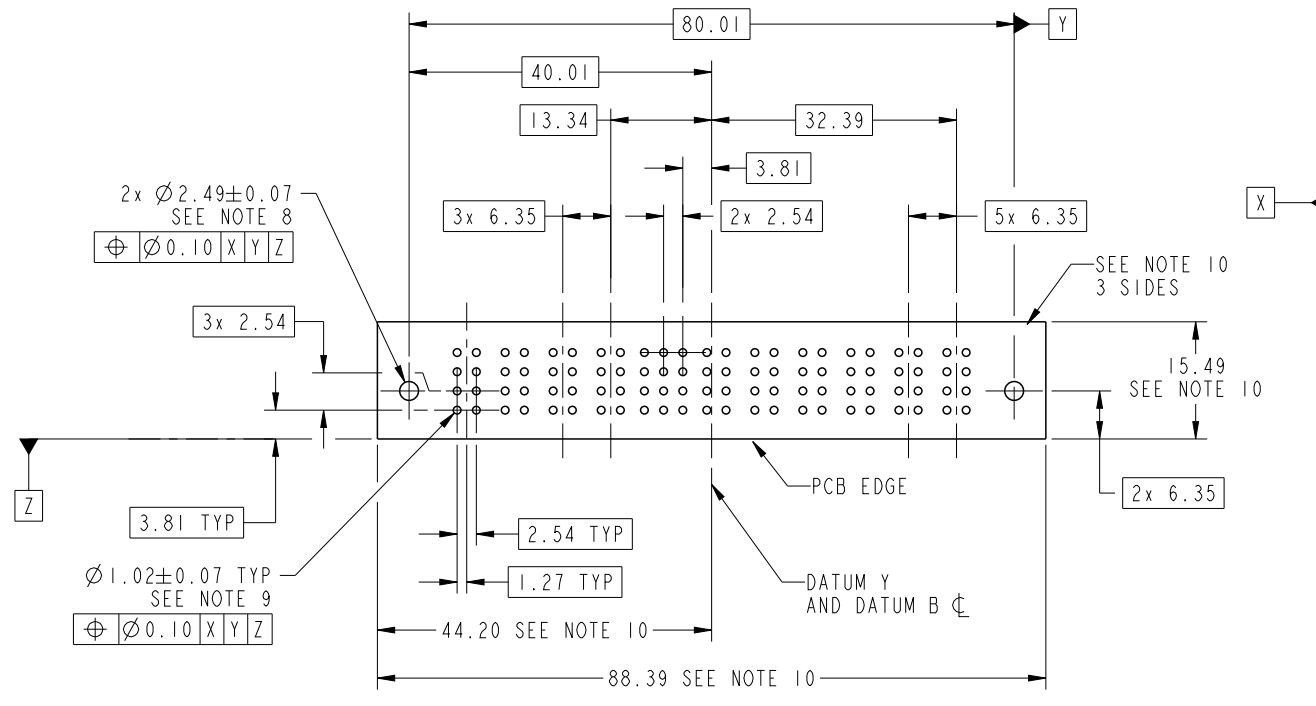
PRODUCT NUMBER
51915-387 NOTE 3

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RECOMMENDED PCB LAYOUT

dr	Luo Weller	2013/01/21	projection	MM	size	A4	scale
eng	Luo Weller	2013/03/26					
chr	-	-					
appr	Pei-Ming Zheng	2013/03/26	product family	PwrBlade	rel level	Released	
 6P+12S+4P R/A PRESS-FIT RECEPTACLE				dwg no	51915-387		
www.fci.com				cat. no.	Product - Customer Drw	sheet 3 of 4	

PRODUCT NUMBER	51915-387_
	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 7 & 8 IN PRINT 10064183 FOR PLATING SPEC OF 51915-387 AND 51915-387LF RESPECTIVELY.
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.
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 $\phi 1.02 \pm .07$ HOLE.
10. CONNECTOR KEEP-OUT ZONE.
11. 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.
12. USE FCI CAM TOOL 430140-XXX TO APPLY CONNECTOR TO PCB.

B

B

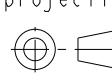
PCB NOTES:

C

C

11. 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.

12. USE FCI CAM TOOL 430140-XXX TO APPLY CONNECTOR TO PCB.

dr	Luo Weller	2013/01/21	projection 	MM	size A4	scale 1 : 1
eng	Luo Weller	2013/03/26				
chr	-	-				
appr	Pei-Ming Zheng	2013/03/26				
			product family	PwrBlade	rel level	Released
	6P+12S+4P R/A PRESS-FIT RECEPTACLE			dwg no 51915-387	rev A	
www.fci.com	cat. no.	Product - Customer Drw	sheet 4 of 4			