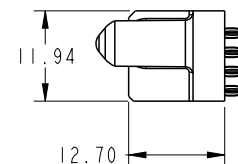
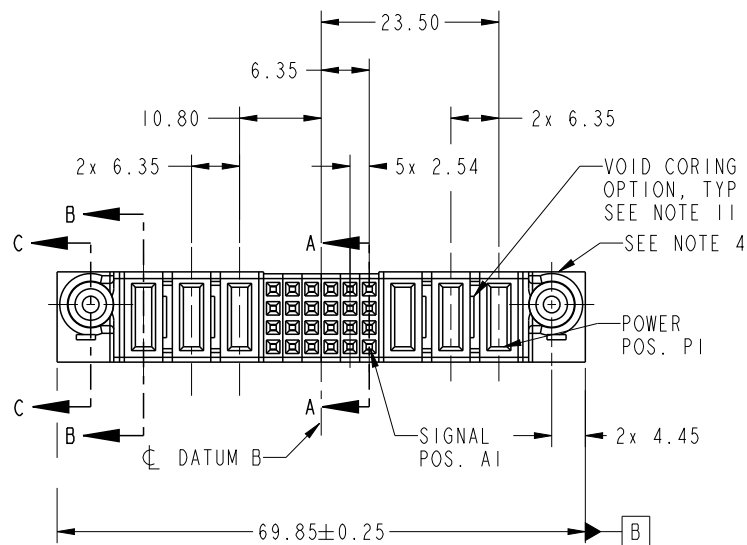




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PRODUCT NO.	ROWS	POWER				SIGNAL					POWER				
		E2	P6	P5	P4	6	5	4	3	2	1	P3	P2	P1	E1
51940-586LF	D C B A														

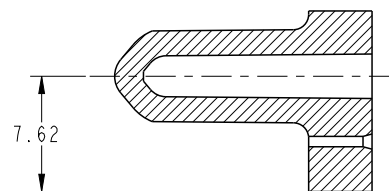
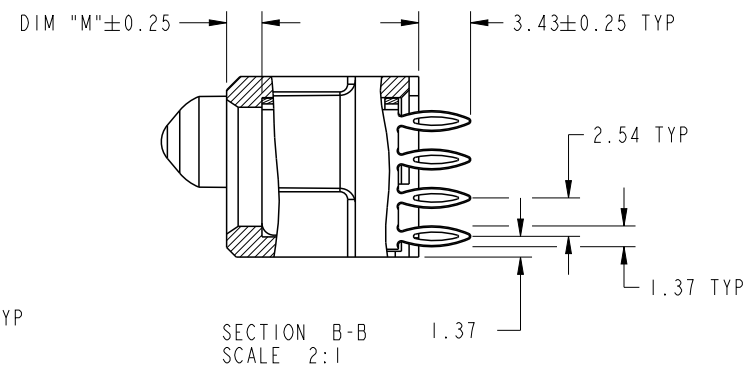
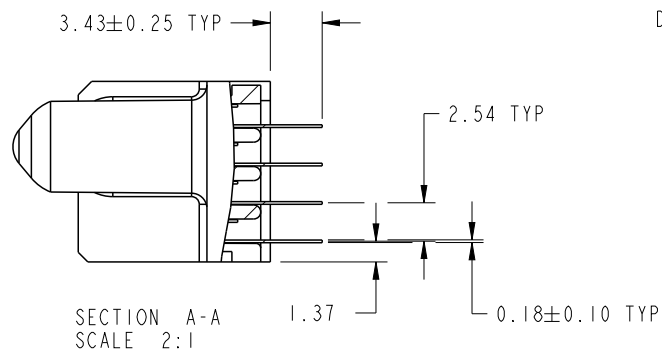


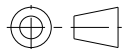
CODE	DIM "M" MATING LENGTH	CONTACT TYPE
E	[N/A]	SIGNAL
PF	[2.34]	POWER
PC	[1.07]	POWER

spec ref		*		dr	Ruan MT	2015/10/12	projection	MM	size	A4	scale	1:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng			Ruan MT	2015/10/27	ecn no		-	
SEE NOTE						chr			Fancy Zhang	2015/10/23	rel level			Released
						appr			Pei-Ming Zheng	2015/10/27	product family		PwrBlade	
surface	✓	linear	0.X	±0.5		title	3P + 24S + 3P			dwg no	51940-586		rev	A
			0.XX	±0.25			VERTICAL STB & PF RECEPT							
			0.XXX	±0.1										
		angular	0°	±2°	www.fci.com	cat. no.	*	Product - Customer Drw			sheet 1 of 4			

PRODUCT NUMBER

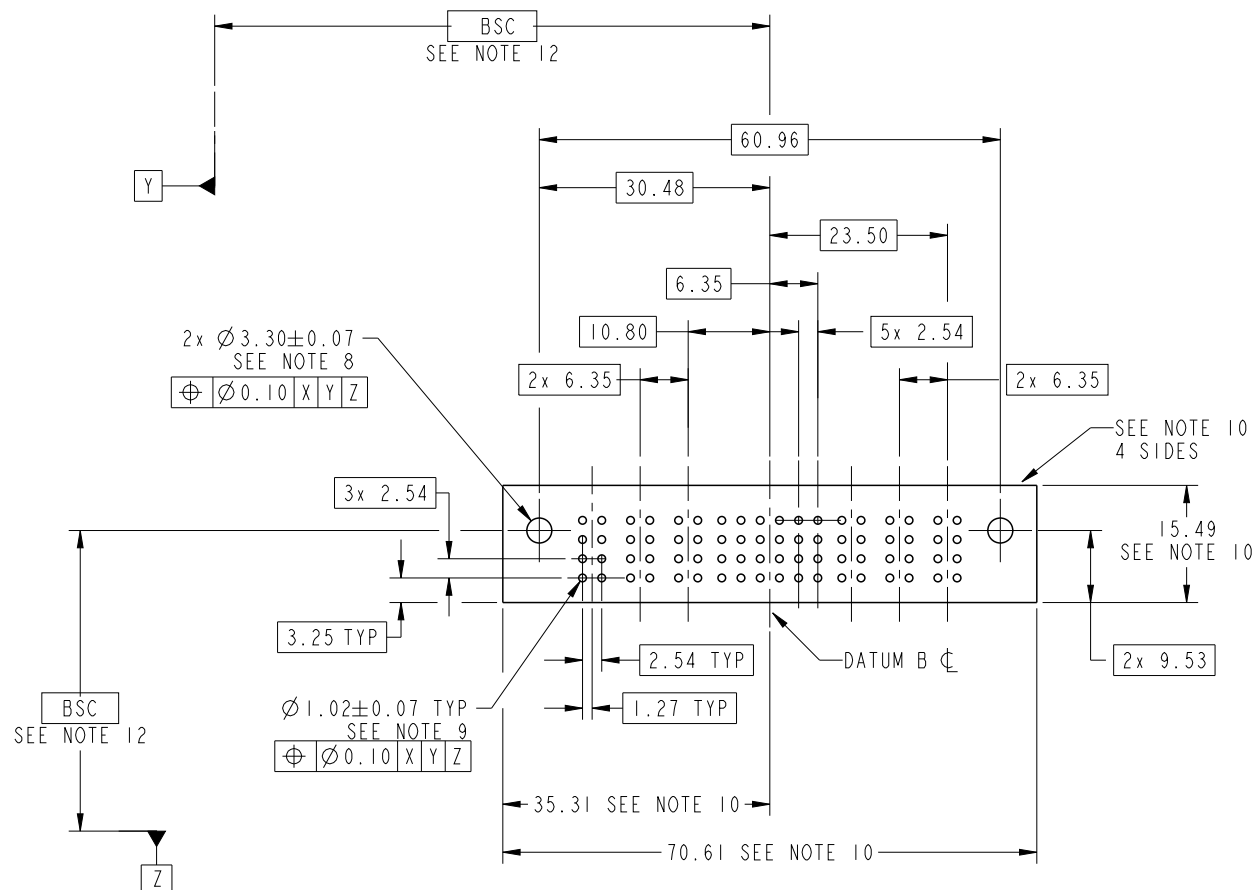
51940-586LF



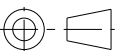
dr	Ruan MT	2015/10/12	projection 	MM 	size	A4	scale	1:1	
eng	Ruan MT	2015/10/27			ecn no -				
chr	Fancy Zhang	2015/10/23							
appr	Pei-Ming Zheng	2015/10/27			product family	PwrBlade	rel level	Released	
		title			3P + 24S + 3P		dwg no		rev
		VERTICAL STB & PF RECEPT			51940-586				A
www.fci.com		cat. no.		*	Product - Customer Drw			sheet 2 of 4	

PRODUCT NUMBER

51940-586LF



RECOMMENDED PCB LAYOUT

dr	Ruan MT	2015/10/12	projection 	MM 	size	A4	scale	1:1
eng	Ruan MT	2015/10/27			ecn no -			
chr	Fancy Zhang	2015/10/23						
appr	Pei-Ming Zheng	2015/10/27	product family		PwrBlade	rel level Released		
	title 3P + 24S + 3P VERTICAL STB & PF RECEPT			dwg no 51940-586			rev A	
www.fci.com	cat. no.		*	Product - Customer Drw			sheet 3 of 4	



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PRODUCT NUMBER										
51940-586LF										
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 FCI PLATING SPEC 10064183.										
(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.										
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) 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) DATUM AND BASIC DIMENIONS ARE ESTABLISHED BY CUSTOMER.										
13. RECOMMENDED RETENTION TO PCB $\varnothing 3.3\text{mm}$ THRU HOLE FOR #5 SOCKET HEAD CAP SCREW MAX. HEAD 5.21mm RECOMMENDED SCREW LENGTH 12mm + PCB THICKNESS. RECOMMENDED SCREW SEATING TO PCB TORQUE: 2-5 lbf-in (2300-5760 gf-cm)										
dr	Ruan MT	2015/10/12	projection 	MM 	size	A4	scale	1:1		
eng	Ruan MT	2015/10/27			ecn no	-				
chr	Fancy Zhang	2015/10/23			rel level	Released				
appr	Pei-Ming Zheng	2015/10/27	product family		PwrBlade					
		title			3P + 24S + 3P VERTICAL STB & PF RECEPT		dwg no	51940-586	rev	A
www.fci.com		cat. no.		*	Product - Customer Drw			sheet 4 of 4		