

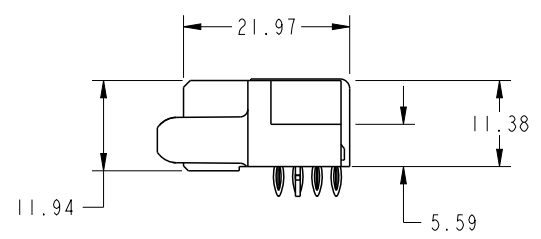
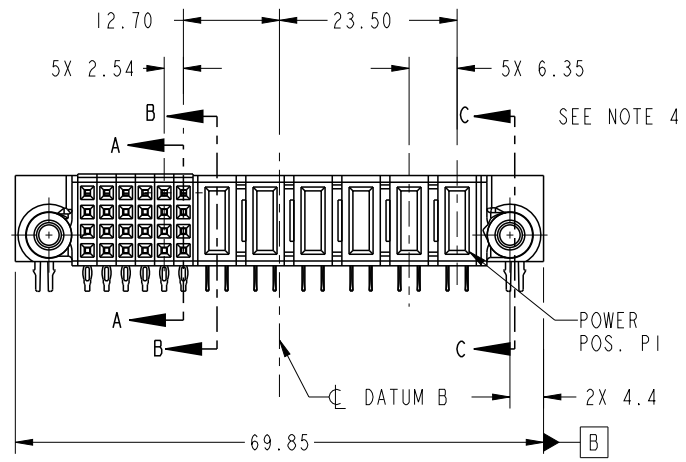


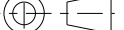





Copyright FCI.

PRODUCT NO.	ROW S	SIGNAL							POWER						E1
		E2	6	5	4	3	2	1	P6	P5	P4	P3	P2	P1	
51866-051-- NOTE 3	D C B A		S	S	S	S	S	S							
			R	R	R	R	R	R							
			P	P	P	P	P	P							
			N	N	N	N	N	N							



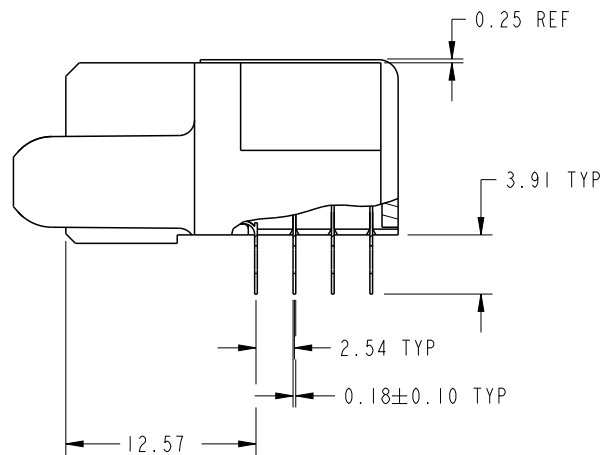
CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PE	[1.07]	POWER
S	[N/A]	SIGNAL
R	[N/A]	SIGNAL
P	[N/A]	SIGNAL
N	[N/A]	SIGNAL
HA	[N/A]	HOLD-DOWN

spec ref		See notes		dr	X Q Wang	2012/02/22	projection 	MM 	size	A4	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	X Q Wang	2012/02/27			ecn no	-		
See notes				chr	-	-						
				appr	Pei-Ming Zheng	2012/02/27			product family		PwrBlade	rel level
surface 	linear	0.X	±0.50		title 6P + 24S R/A SOLDER RECEPTACLE				dwg no	51866-051		rev A
		0.XX	±0.25									
		0.XXX	±0.10									
	angular	0°	±2°									

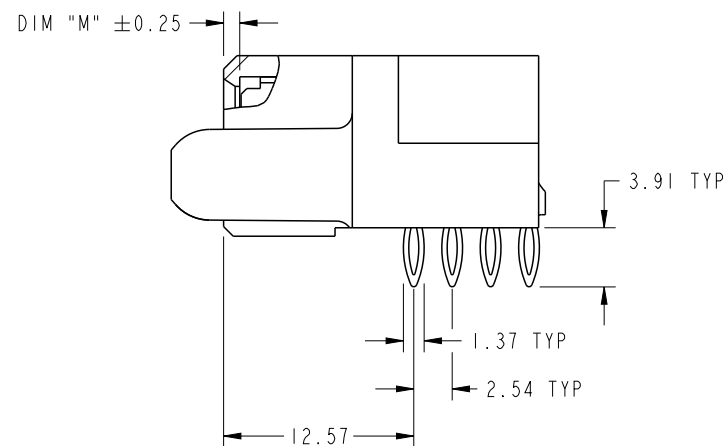
PrintE File - REV C - 2009-06-09

PRODUCT NUMBER

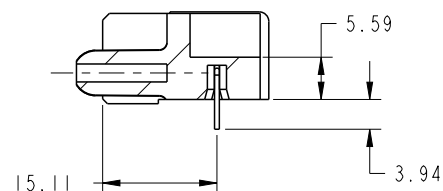
51866-051--  
NOTE 3



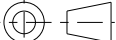

BROKEN-OUT SECTION A-A  
SCALE 2:1



BROKEN-OUT SECTION B-B  
SCALE 2:1

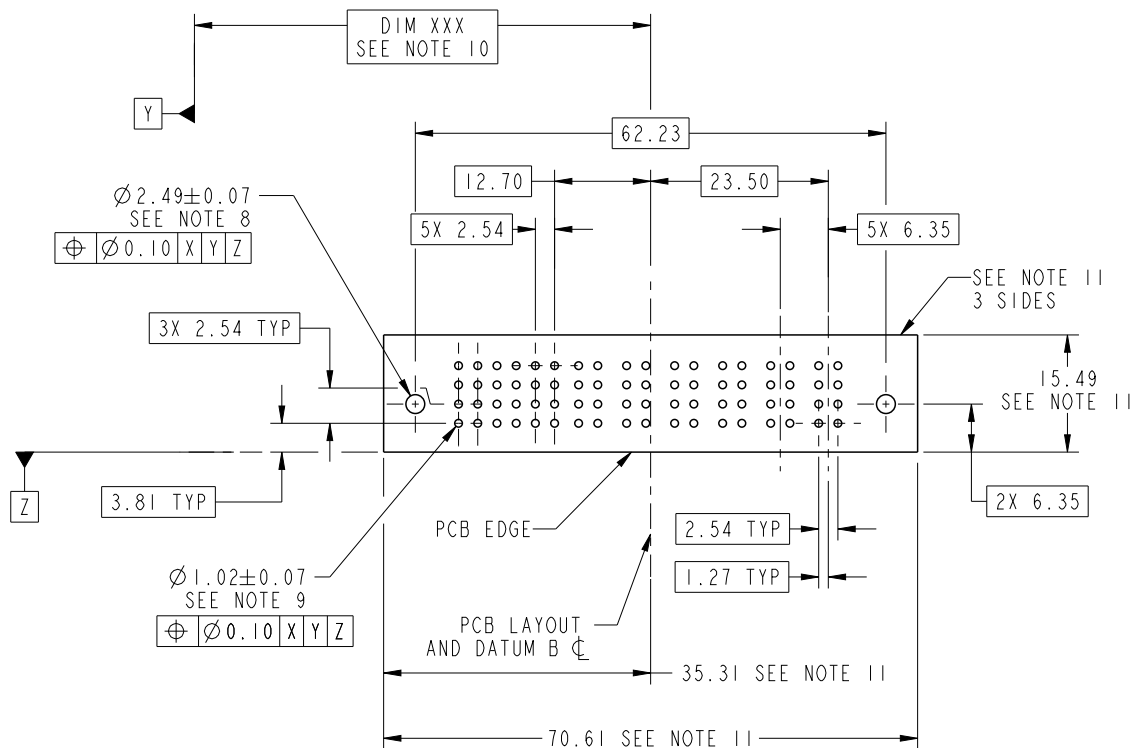


SECTION C-C

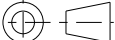


dr	X Q Wang	2012/02/22	<div>projection</div> <div></div>	<div>MM</div> <div></div>	size	A4	scale	1:1
eng	X Q Wang	2012/02/27			ecn no		rel level	Released
chr	-	-						
appr	Pei-Ming Zheng	2012/02/27	product family		PwrBlade			
<div>FCI</div>		title			6P + 24S			rev
		R/A SOLDER RECEPTACLE			dwg no			A
www.fci.com		cat. no.		Product - Customer Drw			sheet 2 of 4	
					51866-051			

PRODUCT NUMBER

51866-051--  
NOTE 3



RECOMMENDED PCB LAYOUT

dr	X Q Wang	2012/02/22	<div>projection</div> <div></div>	<div>MM</div> <div></div>	size	A4	scale	1:1				
eng	X Q Wang	2012/02/27			ecn no	-						
chr	-	-										
appr	Pei-Ming Zheng	2012/02/27	product family	PwrBlade	rel level	Released						
	title			6P + 24S			dwg no		51866-051		rev	
	R/A SOLDER RECEPTACLE			A								
www.fci.com	cat. no.		Product - Customer Drw					sheet 3 of 4				



Copyright FCI.

PRODUCT NUMBER  
51866-051--  
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 7 & 8 IN PRINT 10064183 FOR PLATING SPEC OF 51866-051 AND 51866-051LF 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  
 $\varnothing 1.02 \pm .07$  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.
  - 13. USE FCI CAM TOOL 430140-XXX  
TO APPLY CONNECTOR TO PCB.

dr	X Q Wang	2012/02/22	<div>projection</div> <div></div>	<div>MM</div> <div></div>	size	A4	scale	1:1
eng	X Q Wang	2012/02/27			ecn no	-		
chr	-	-						
appr	Pei-Ming Zheng	2012/02/27	product family		PwrBlade	rel level		Released
<div></div>	title				dwg no		rev	
	6P + 24S				51866-051		A	
	R/A SOLDER RECEPTACLE							
www.fci.com	cat. no.		Product - Customer Drw				sheet 4 of 4	

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[51866-051LF](#)