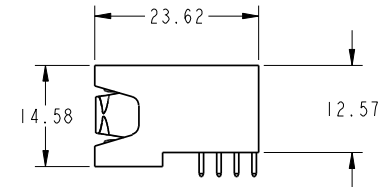
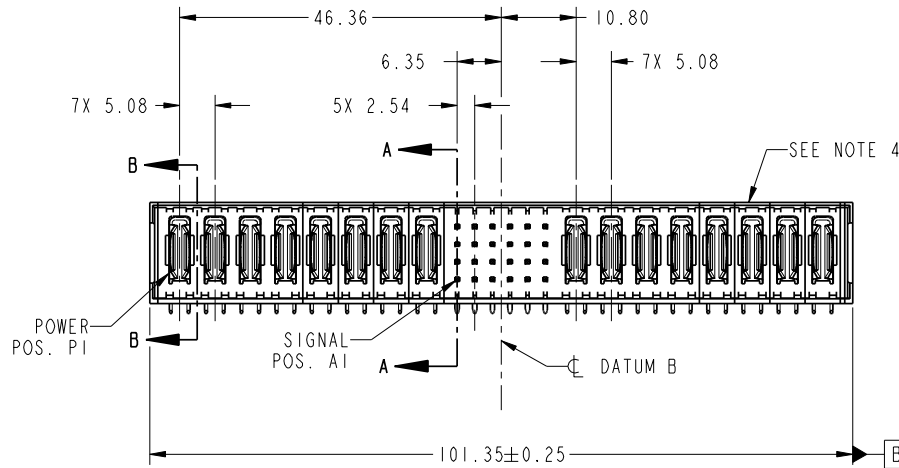


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PRODUCT NO.	ROWS	POWER								SIGNAL						POWER							
		P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	P9	P10	P11	P12	P13	P14	P15	P16
51939-578-- NOTE 3	D C B A	PA	PA	PA	PA	PA	PA	PA	PA	UUUUUU	UUUUUU	UUUUUU	UUUUUU	UUUUUU	UUUUUU	PA	PA	PA	PA	PA	PA	PA	PA



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
U	[6.86]	SIGNAL
T	[6.86]	SIGNAL
S	[6.86]	SIGNAL
R	[6.86]	SIGNAL
PA	[N/A]	POWER

mat'l code				tolerances unless otherwise specified		CUSTOMER		
lfr	ecn no.	dr	date	linear	projection	FCI www.fciconnect.com		
A	DG11-0031	X0	01/28/11	0.X ±0.5		title		
				0.XX ±0.25		8P + 24S + 8P		
				0.XXX ±0.1		RIGHT ANGLE SOLDER HEADER		
				angles		product family	PwrBlade	code
				0° ±2°		size	dwg no	213
				dr		51939-578	sheet	1 of 4
				engr				
				chr				
				appd				
sheet index	revision sheet	A	A	A	A			
		1	2	3	4			

sheet index		revision sheet		A		A		A		A	
		1	2	3	4						

Pro/E

cage code 22526

PDM: Rev:A

STATUS:Released

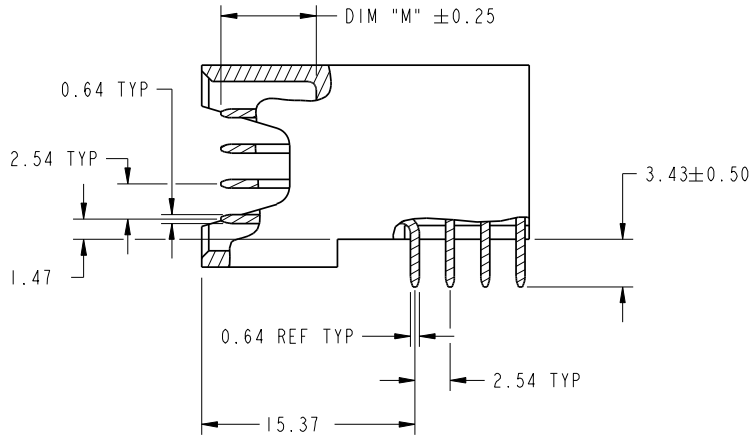
Printed: Feb 12, 2011

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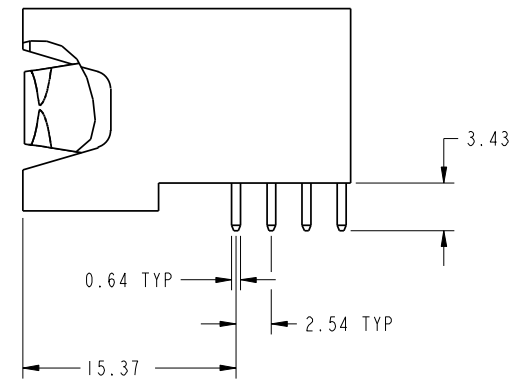
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PRODUCT NUMBER  
51939-578...  
NOTE: 3



BROKEN-OUT SECTION A-A  
SCALE 2:1



BROKEN-OUT SECTION B-B  
SCALE 2:1

mail code				SEE NOTE		tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date	linear	0.X ±0.5	COPY		projection		www.fciconnect.com	
A					0.XX ±0.25	MM		title		8P + 24S + 8P	
				angles	0.XXX ±0.1	1:1		RIGHT ANGLE SOLDER HEADER		product family PwrBlade code	
				dr	0° ±2°			size		213	
				engr	XQ Wang 01/28/11			A		sheet	
				chr	Anson Liu 01/29/11			51939-578		2 of 4	
				appd	PM Zheng 01/28/11						
					Joseph Hsia 01/28/11						
sheet index	revision sheet										

cage code 22526

Pro/E

PDM: Rev:A

STATUS:Released

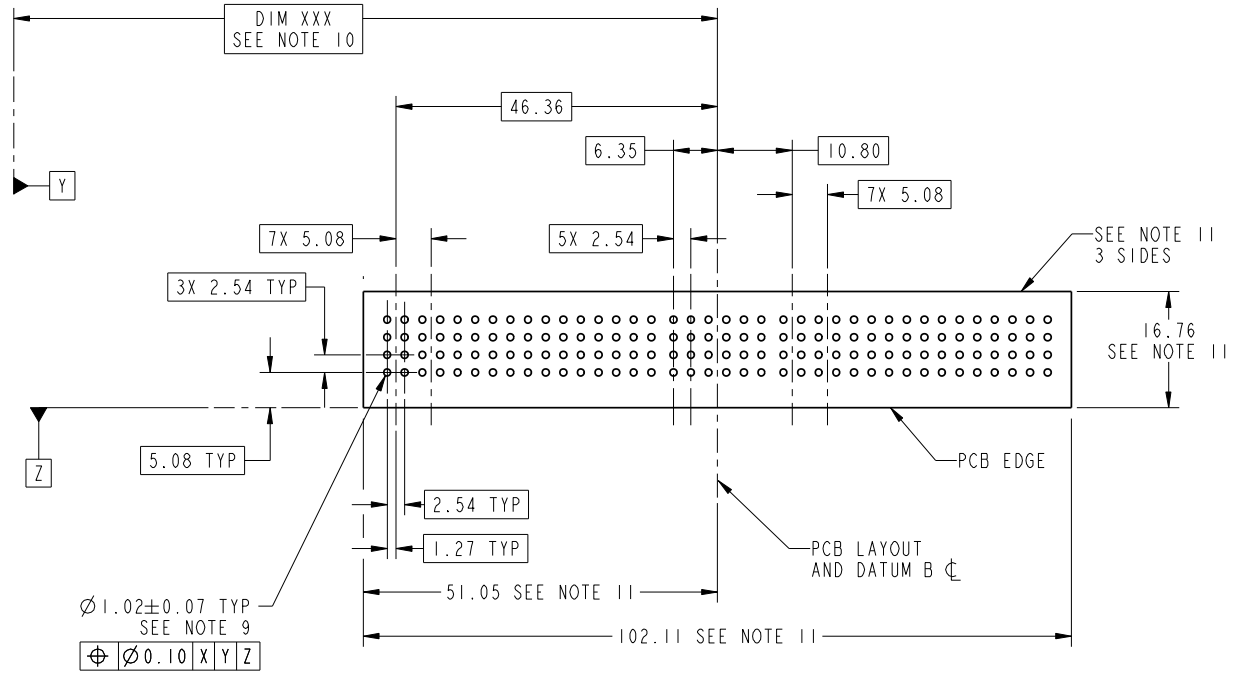
Printed: Feb 12, 2011

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PRODUCT NUMBER  
51939-578...  
NOTE: 3

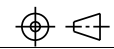


RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE		tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date	linear	0.X ±0.5	COPY		www.fciconnect.com		title	
A				angles	0.XX ±0.25	projection		8P + 24S + 8P		RIGHT ANGLE SOLDER HEADER	
				dr	0.XXX ±0.1	MM		product family		PwrBlade	
				engr	0° ±2°	scale		size		code	
				chr	XQ Wang 01/28/11	1:1		51939-578		213	
				appd	Anson Liu 01/29/11			A		sheet	
					PM Zheng 01/28/11					3 of 4	
					Joseph Hsia 01/28/11						
sheet index	revision sheet										



www.fciconnect.com



MM

scale 1:1

product family PwrBlade code 213  
size 51939-578 sheet 3 of 4

Pro/E

cage code 22526

PDM: Rev:A

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PRODUCT NUMBER  
51939-578..  
NOTE: 3

NOTES:

1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.

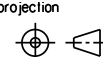
CONNECTOR NOTES:

- 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 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-578 AND 51939-578LF 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.

mat'l code		SEE NOTE		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ± 0.5	COPY		projection		title	
A					0.XX ± 0.25	MM				8P + 24S + 8P RIGHT ANGLE SOLDER HEADER	
				angles	0.XXX ± 0.1	scale		product family		code	
				dr	0° ± 2°	1:1		PwrBlade		213	
				engr	XQ Wang 01/28/11	A		size		sheet	
				chr	Anson Liu 01/29/11			51939-578		4 of 4	
				appd	PM Zheng 01/28/11						
					Joseph Hsia 01/28/11						
sheet index	revision sheet										



MM

scale 1:1

A

51939-578

cage code 22526

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