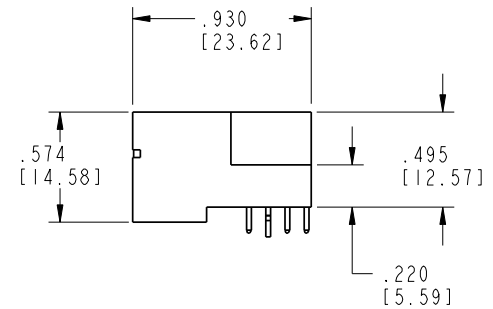
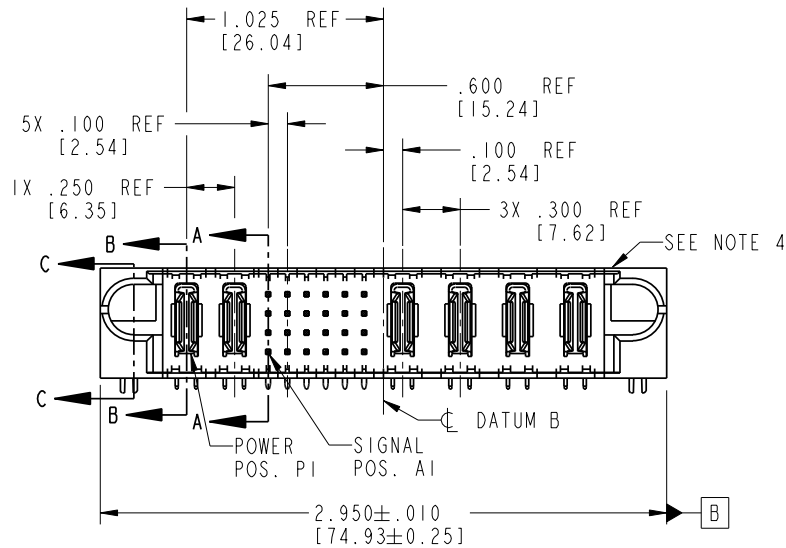
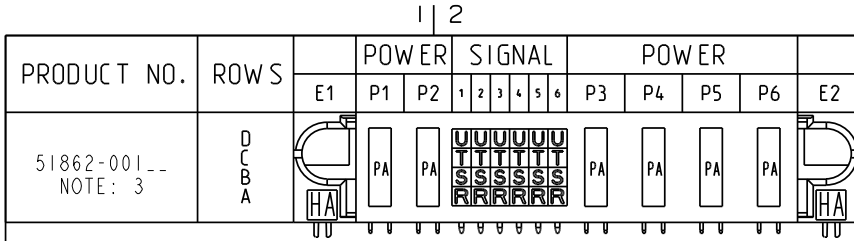


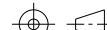
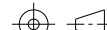
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FCI



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
R	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
U	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER
HA	N/A [N/A]	HOLD-DOWN

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				A FCI www.fciconnect.com			
lir	ecr no.		dr	date	linear	.XX±.01/0.X±0.3			COPY					title					
A	V11142		JWS	03-30-01		.XXX±.005/0.XX±0.13			projection					2P + 24S + 4P					
B	V20776		JWS	05-20-02		.XXXX±.0020/0.XXX±0.051			projection					RIGHT ANGLE SOLDER HEADER					
C	DG05-0530		GuoJM	12/09/05	angles	0°±2°													
					dr	J. SHAFFER	05-20-02			INCH/MM				product family		PwrBlade		code	
					enrg	M. MOSTOLLER	05-20-02			scale				size		dwg no		213	
					chr	M. MOSTOLLER	05-20-02			1:1				A		51862-001		sheet	
					appd	M. MOSTOLLER	05-20-02											1 of 4	
sheet index		revision		C	C	C	C												
		sheet		1	2	3	4												

Pro/E

PDM: Rev:C

STAT: Released

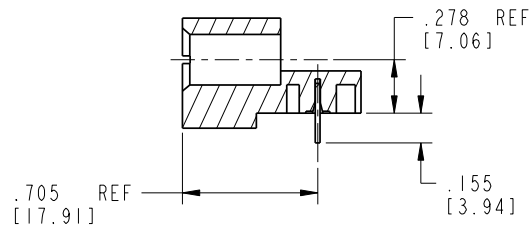
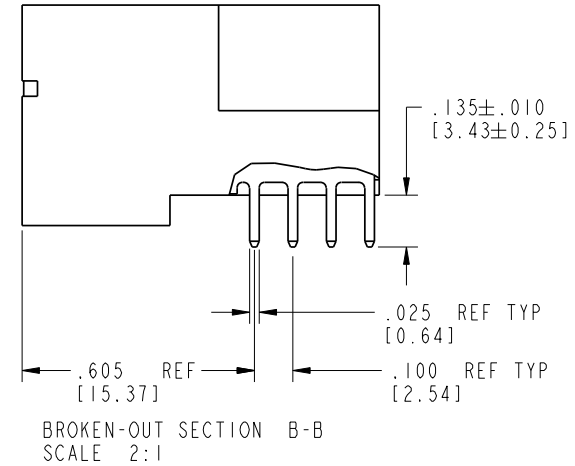
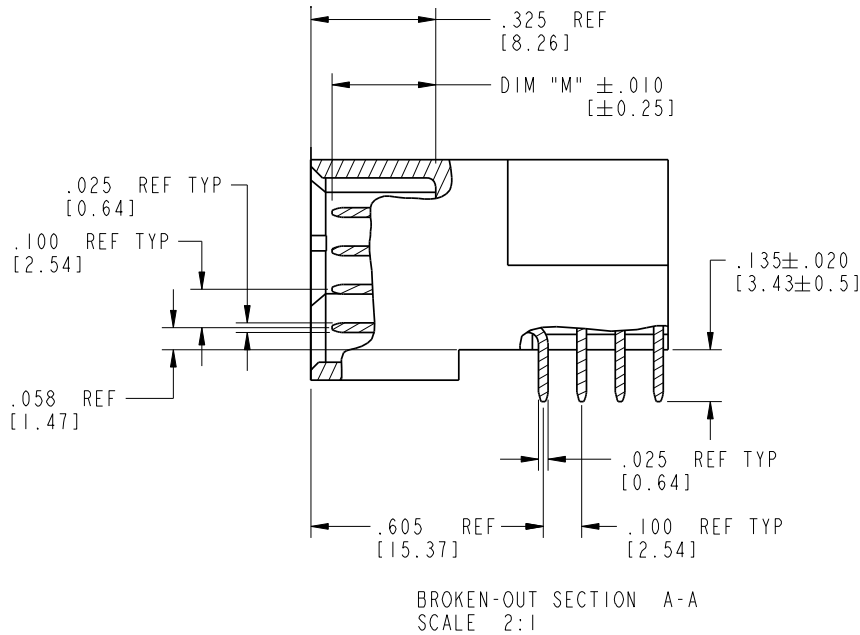
Printed: Dec 20, 2010

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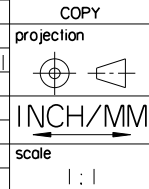
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FCI

PRODUCT NUMBER
51862-001--
NOTE: 3



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		A FCI		www.fciconnect.com	
lir	ecn no.	dr	date	linear	projection	linear	projection	linear	projection	linear	projection	linear	projection
C						.XX±.01/0.X±0.3							
						.XXX±.005/0.XX±0.13							
						.XXX±.0020/0.XXX±0.051							
				angles		0°±2°							
				dr	J. SHAFFER	05-20-02							
				enr	M. MOSTOLLER	05-20-02							
				chr	M. MOSTOLLER	05-20-02							
				appd	M. MOSTOLLER	05-20-02							
sheet index	revision sheet												



INCH/MM
scale 1:1

title 2P + 24S + 4P
RIGHT ANGLE SOLDER HEADER
product family PwrBlade
size dwg no 51862-001
code 213
sheet 2 of 4

STAT

code code 22506

Released

Printed: Dec 20, 2010

Pro/E

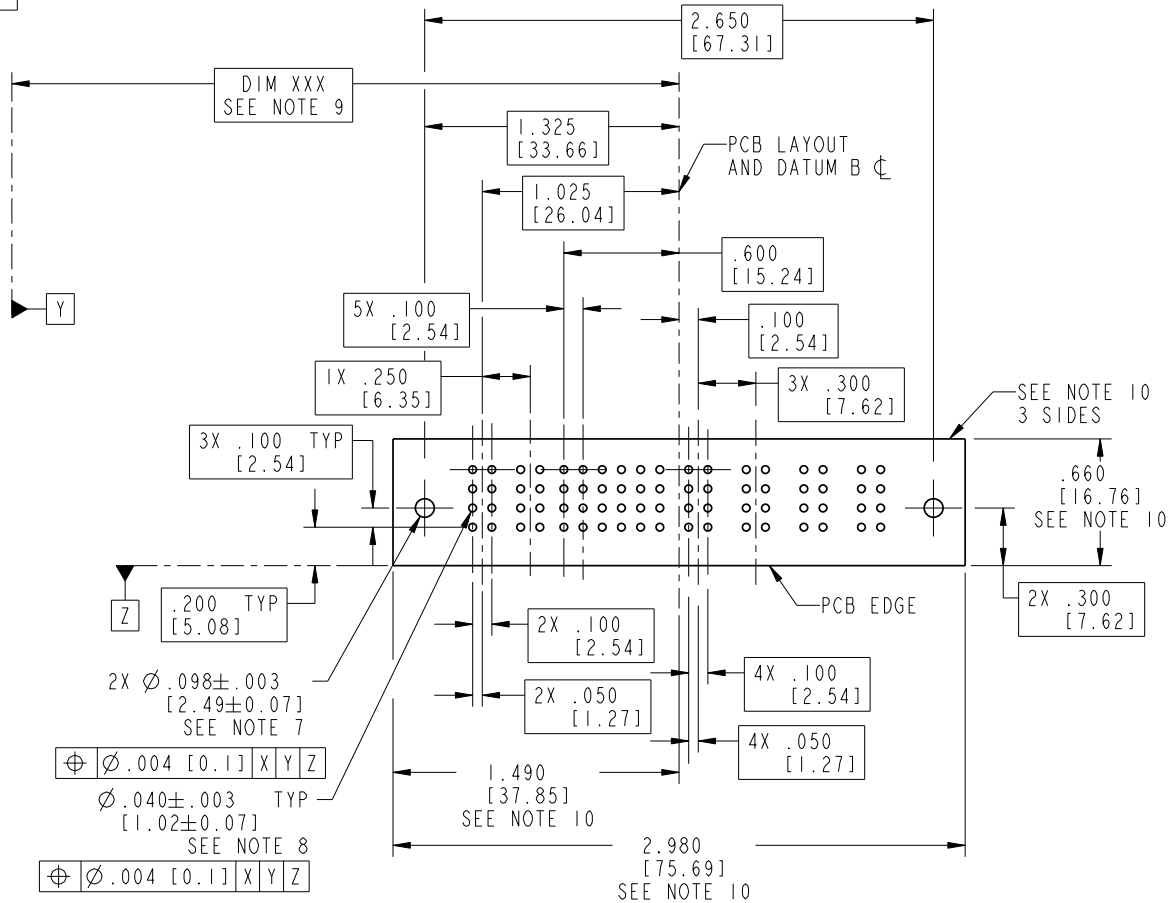
PDM: Rev: C

STAT

Printed: Dec 20, 2010

PRODUCT NUMBER

51862-001--
NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code				tolerances unless otherwise specified		CUSTOMER	
lir	ecn no.	dr	date	linear	angles	COPY	
C				.XX±.01/0.X±0.3	0°±2°	projection	
				.XXX±.005/0.XX±0.13			
				.XXXX±.0020/0.XXX±0.051			
				dr	J. SHAFFER 05-20-02	INCH/MM	
				enrg	M. MOSTOLLER 05-20-02	scale	
				chr	M. MOSTOLLER 05-20-02	1:1	
				appd	M. MOSTOLLER 05-20-02		
sheet index	revision sheet						

A FCI www.fciconnect.com			
title 2P + 24S + 4P RIGHT ANGLE SOLDER HEADER			
product family PwrBlade			
size	dwg no	code	
A	51862-001	213	
		sheet	
		3 of 4	

PRODUCT NUMBER
51862-001__
NOTE: 3

NOTES:

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

CONNECTOR NOTES:

HOUSING MATERIAL: UL 94 V-0 GLASS FILLED
HIGH-TEMP THERMOPLASTIC
POWER CONTACT MATERIAL: COPPER ALLOY
SIGNAL PIN MATERIAL: COPPER ALLOY

3. PLATING:

51862-001 Singal Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA.
AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.
Power Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,
AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.

51862-001LF Singal Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA.
AND 78u"/2.00um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.
Power Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,
AND 78u"/2.00um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.

PART NUMBER 51862-001LF MEETS EUROPEAN UNION DIRECTIVE AND OTHER ICOUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A CIRCUIT BOARD.

4. MANUFACTURER'S NAME, P/N, AND DATE CODE TO APPEAR ON
THIS SURFACE.

5. PRODUCT SPECIFICATION GS-12-149.
APPLICATION SPECIFICATION BUS-20-067.

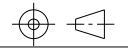
PCB NOTES:

6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

7. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

8. $\varnothing .0453 \pm 0.0010$ [1.151 $\pm$ 0.025] DRILLED HOLES PLATED WITH
0.0003 [0.008] MIN SnPb OVER .001 [0.03]
TO .003 [0.08] Cu PLATING TO ACHIEVE
 $\varnothing .040 \pm .003$ [1.02 $\pm$.07] HOLE.

9. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
10. CONNECTOR KEEP-OUT ZONE.

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				 www.fciconnect.com			
lfr	ecn no.	dr	date	linear	.XX $\pm$.01 / 0.X $\pm$ 0.3				COPY				 INCH/MM scale 1:1						
C					.XXX $\pm$.005 / 0.XX $\pm$ 0.13				projection										
					.XXXX $\pm$.0020 / 0.XXX $\pm$ 0.051				title 2P + 24S + 4P RIGHT ANGLE SOLDER HEADER										
					angles 0° $\pm$ 2°				product family PwrBlade										
				dr	J. SHAFFER	05-20-02					size				code 213				
				enrg	M. MOSTOLLER	05-20-02					dwg no				sheet 4 of 4				
				chr	M. MOSTOLLER	05-20-02					A				51862-001				
				appd	M. MOSTOLLER	05-20-02													
sheet index		revision sheet																	

Mouser Electronics

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FCI:

[51862-001](#)