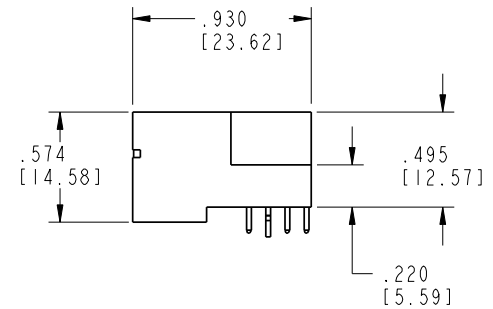
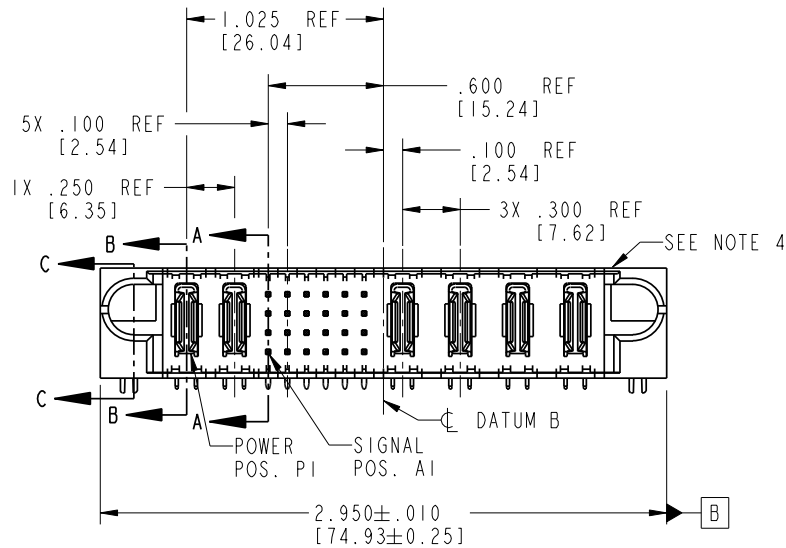
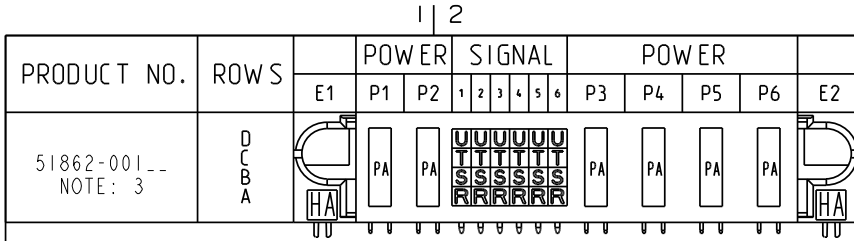


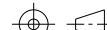
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FCI



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					COPY				projection  INCH/MM scale 1:1					
A	V11142		JWS	03-30-01		.XX±.01/0.X±0.3				title									
B	V20776		JWS	05-20-02		.XXX±.005/0.XX±0.13				2P + 24S + 4P									
C	DG05-0530		GuoJM	12/09/05		.XXXX±.0020/0.XXX±0.051				RIGHT ANGLE SOLDER HEADER									
					angles	0°±2°													
					dr	J. SHAFFER		05-20-02		product family				PwrBlade		code			
					enrg	M. MOSTOLLER		05-20-02		size				dwg no		213			
					chr	M. MOSTOLLER		05-20-02								sheet			
					appd	M. MOSTOLLER		05-20-02		A <td colspan="2">51862-001</td> <td colspan="2">1 of 4</td>				51862-001		1 of 4			
sheet index		revision sheet		C	C	C	C												
				1	2	3	4												

Pro/E

PDM: Rev:C

STATUS: Released

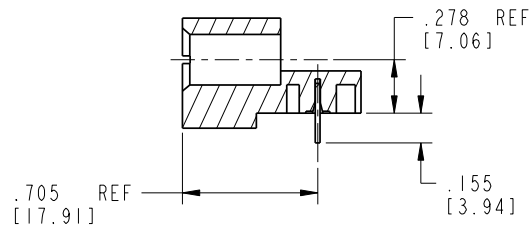
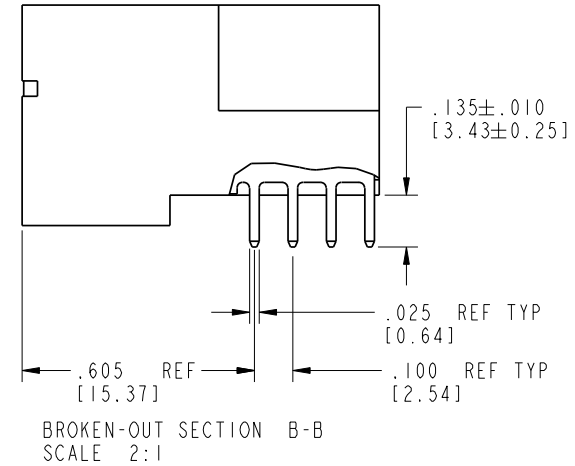
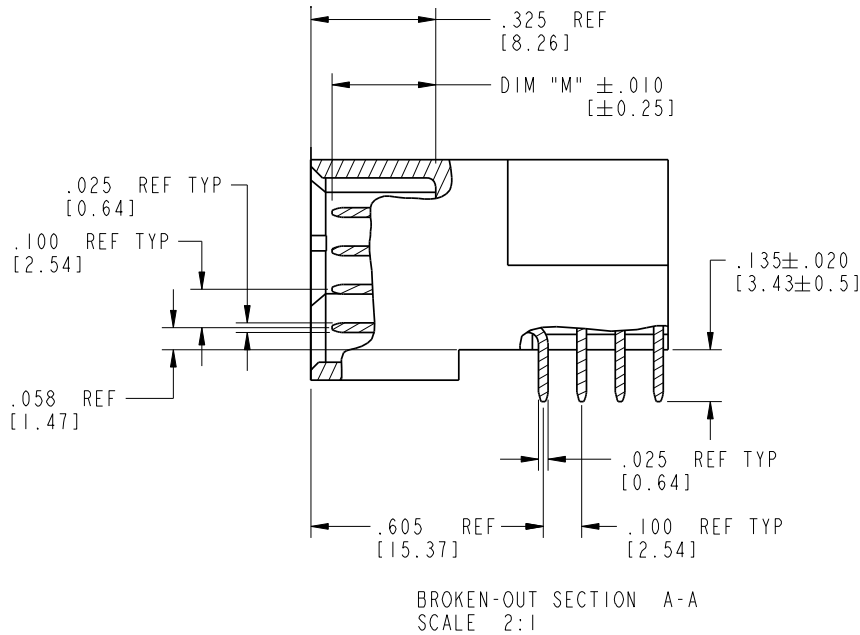
Printed: Dec 20, 2010

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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	angles	dr	enr	chr	appd	size	dwg no	code
C				.XX±.01/0.X±0.3	projection	0°±2°	J. SHAFFER	M. MOSTOLLER	M. MOSTOLLER	M. MOSTOLLER	A	51862-001	213
				.XXX±.005/0.XX±0.13	INCH/MM		05-20-02	05-20-02	05-20-02	05-20-02			sheet
				.XXX±.0020/0.XXX±0.051	scale								2 of 4
					1:1								
sheet index	revision sheet												

Pro/E

PDM: Rev: C

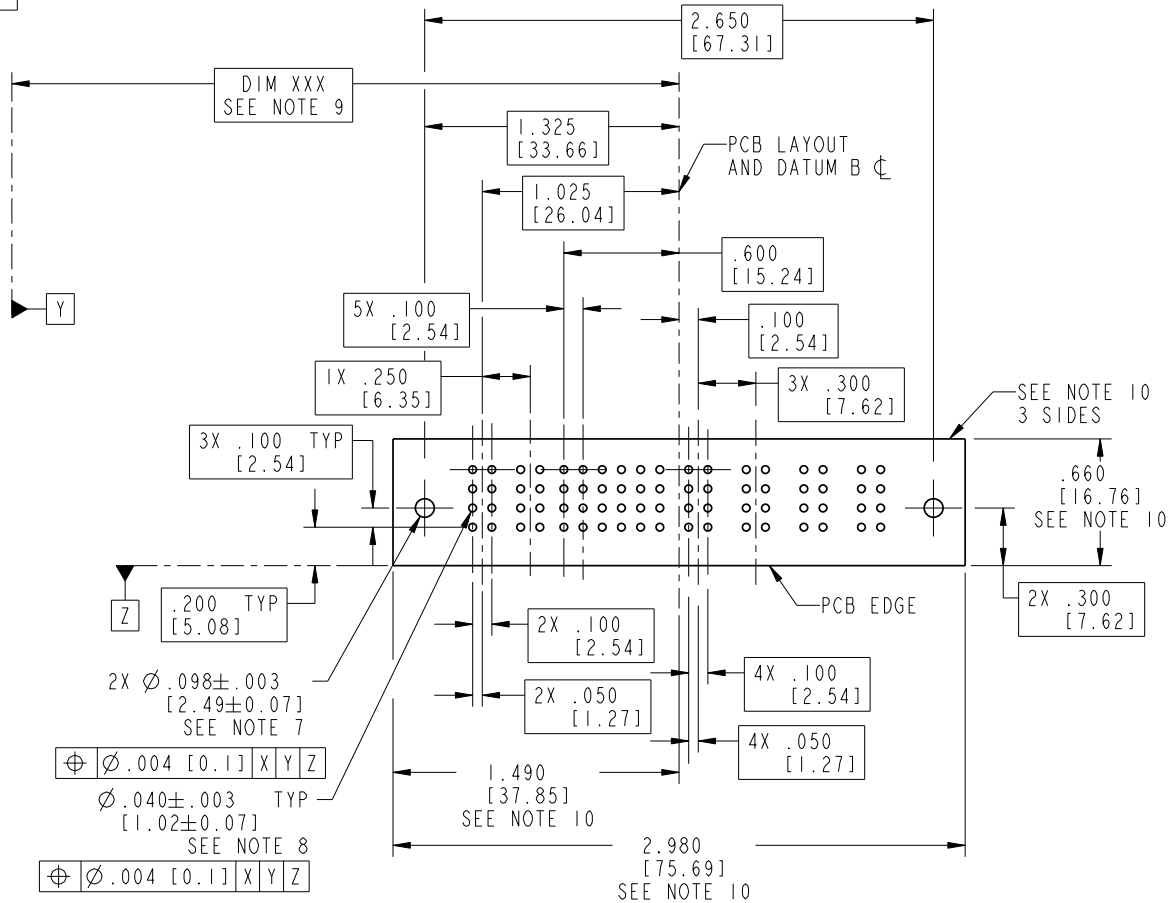
STAT: Released

Printed: Dec 20, 2010

FCI

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	

FCI

A

B

1 | 2

3

4

A

B

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.

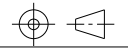
PCB NOTES:

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														
					.XXX $\pm$.0020 / 0.XXX $\pm$ 0.051														
					0° $\pm$ 2°														
				angles															
				dr	J. SHAFFER 05-20-02								title 2P + 24S + 4P						
				enrg	M. MOSTOLLER 05-20-02								RIGHT ANGLE SOLDER HEADER						
				chr	M. MOSTOLLER 05-20-02								product family PwrBlade						
				appd	M. MOSTOLLER 05-20-02								size dwg no						
sheet index		revision sheet										A 51862-001				code 213			
																sheet 4 of 4			

1 | 2

Pro/E

PDM: Rev: C

STAT: 

Printed: Dec 20, 2010

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