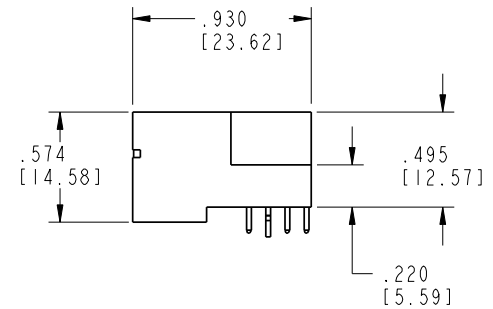
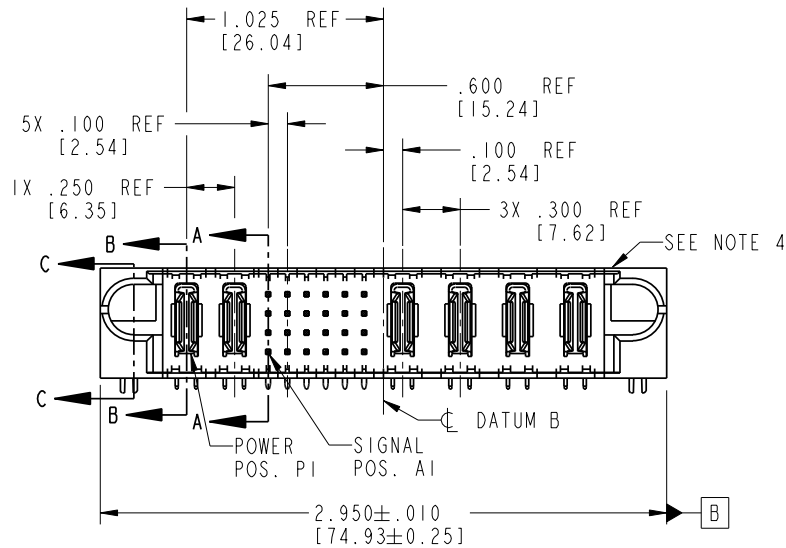
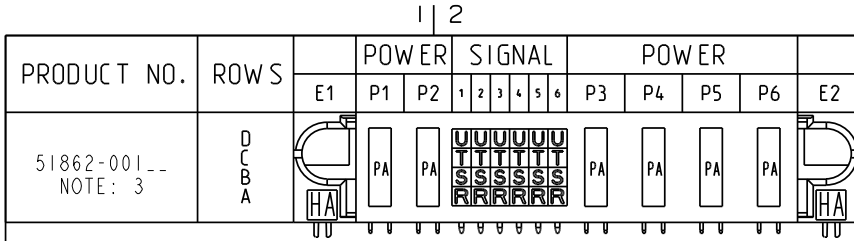


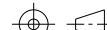
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FCI



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	ecn 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

STAT: Released

Printed: Aug 14, 2007

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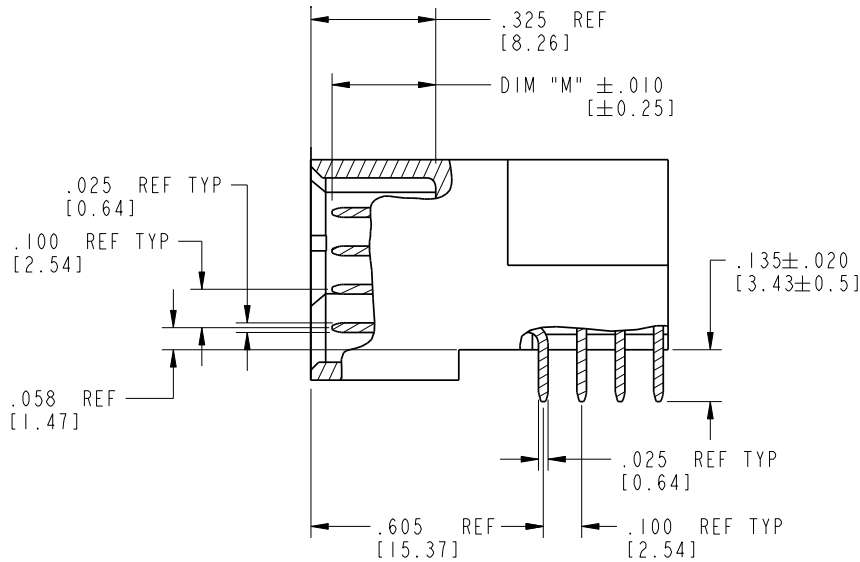
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FCI

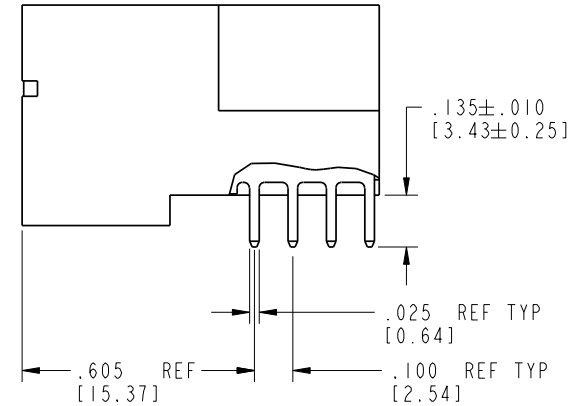
PRODUCT NUMBER

51862-001--

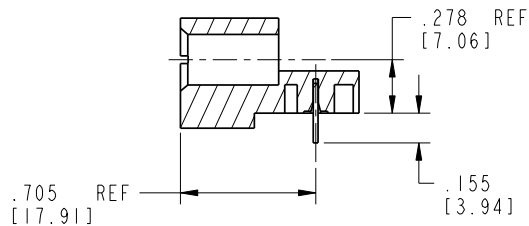
NOTE: 3



BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		A FCI		www.fciconnect.com	
lir	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	.XXX±.005/0.XX±0.13	.XXXX±.0020/0.XXX±0.051	angles	0°±2°	projection	INCH/MM	scale	1:1
C													
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												
title				2P + 24S + 4P		RIGHT ANGLE SOLDER HEADER		product family		PwrBlade		code	
size				dwg no		A		51862-001		213		sheet	
												2 of 4	

Pro/E

PDM: Rev: C

STAT: Released

Printed: Aug 14, 2007

ACE

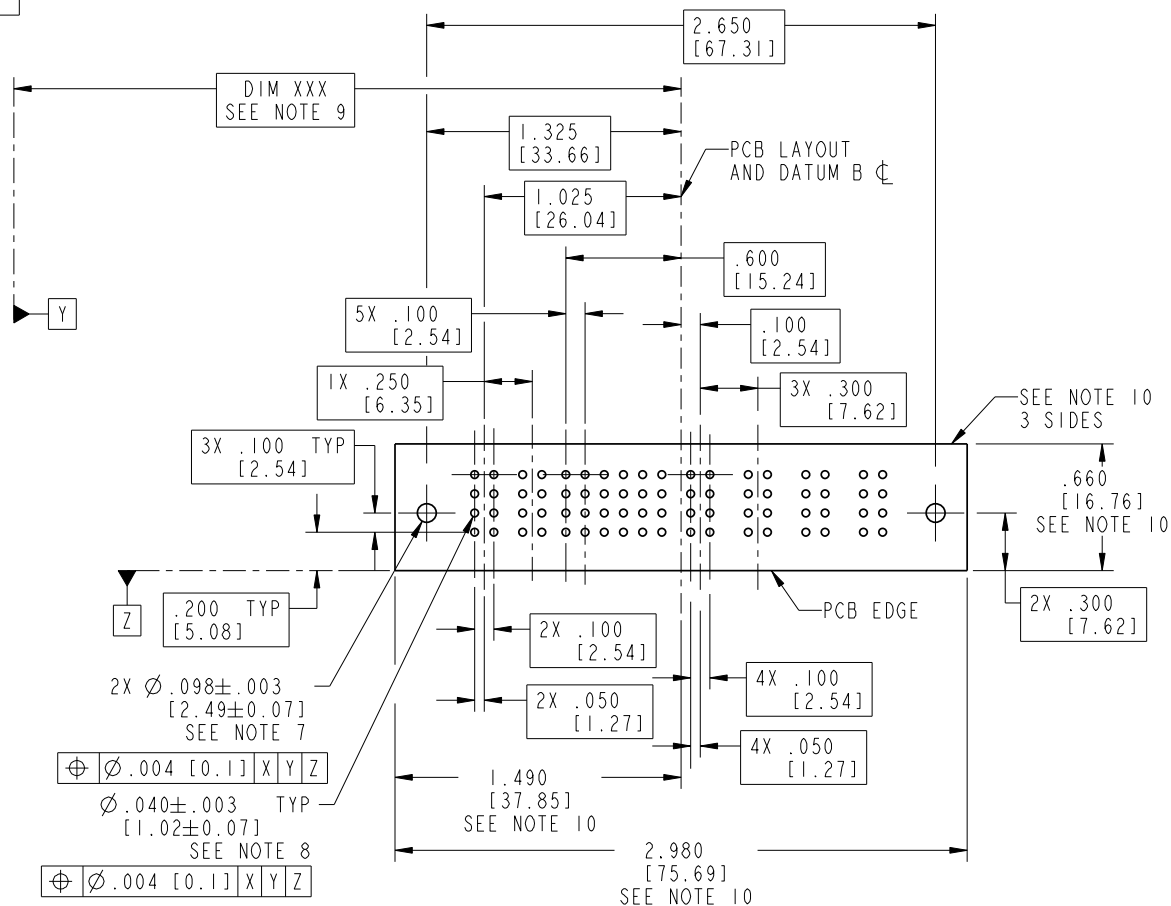
1 | 2

3

4

PRODUCT NUMBER

51862-001--
NOTE: 3



RECOMMENDED PCB LAYOUT

[illegible]

1 | 2

Pro/E

PDM: Rev: C

STATUS: **Released**

Printed: Aug 14, 2007

2

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.

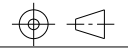
4. MANUFACTURER'S NAME, P/N, AND DATE CODE TO APPEAR ON
THIS SURFACE.

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 ± 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±.01/0.X±0.3				COPY				 INCH/MM scale 1:1						
C					.XXX±.005/0.XX±0.13														
					.XXX±.0020/0.XXX±0.051														
					0°±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:  22526

Printed: Aug 14, 2007