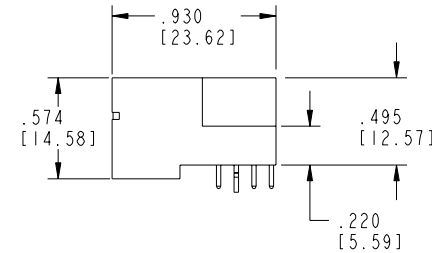
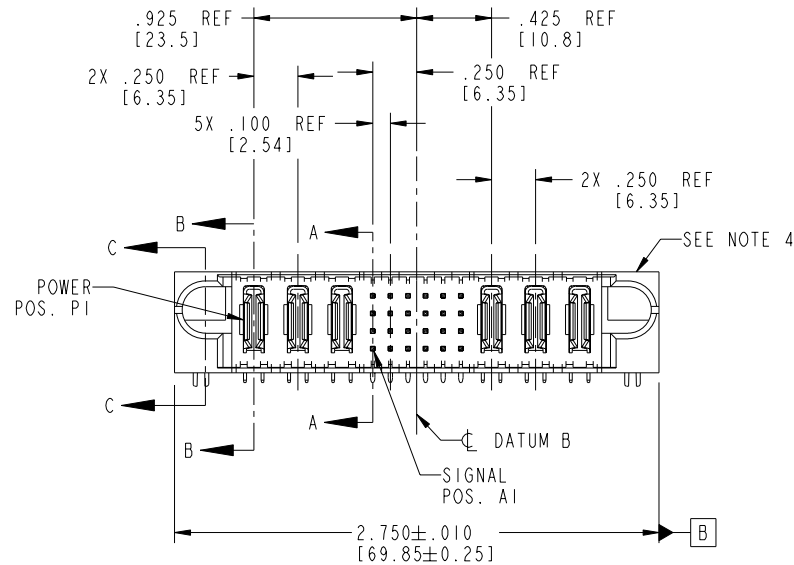


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FCI

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PRODUCT NO.	ROWS	POWER				SIGNAL						POWER				
		E1	P1	P2	P3	1	2	3	4	5	6	P4	P5	P6	E2	
51730-100-- NOTE: ③	D C B A															



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
F	.220 [5.59]	SIGNAL
H	.220 [5.59]	SIGNAL
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		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	projection	dr	engr	chr	appd	size	dwg no
A	V04-0844	TAB	08/17/04	linear	projection	T. BRUNGARD	08/17/04	M. GRAY	08/17/04	A	51730-100
B	DG05-0227	SJ	07/15/05	linear	projection	M. GRAY	08/17/04	M. GRAY	08/17/04	A	51730-100
C	DG05-0463	CS	11/14/05	linear	projection	M. GRAY	08/17/04	M. GRAY	08/17/04	A	51730-100
sheet index				revision	sheet	C	C	C	C	cage code 22526	
				sheet	1	2	3	4		4	

Pro/E

PDM: Rev:C

STATUS:Released

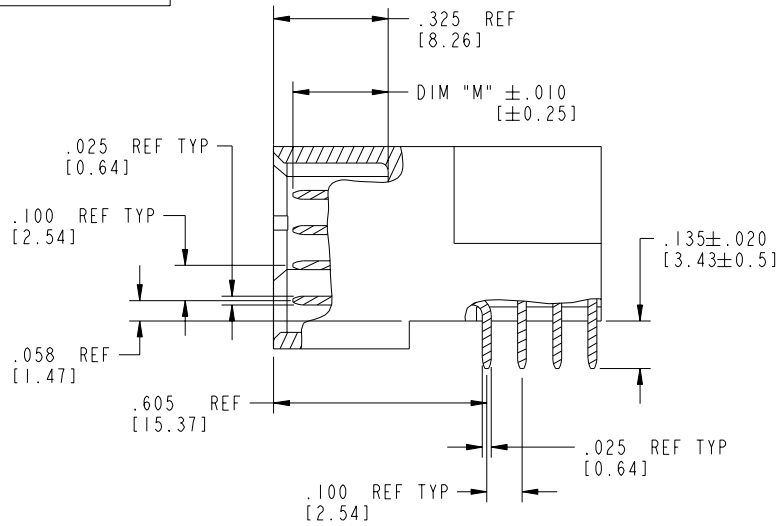
Printed: Dec 20, 2010

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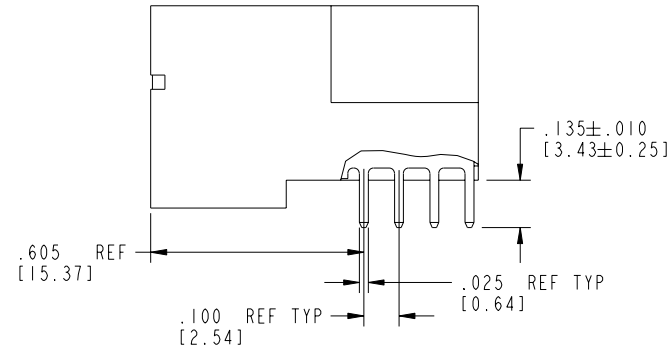
FCI

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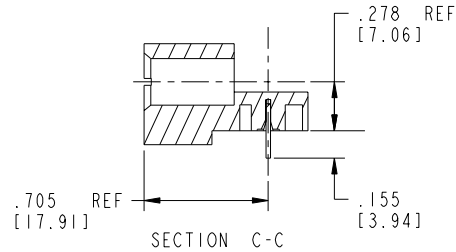
PRODUCT NUMBER
51730-100_-
NOTE: (3)



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	
litr	ecr no.	dr	date	linear	XX±.01/0.X±0.3	projection	COPY	title	3P + 24S + 3P	product family	PwrBlade	code	213
C				angles	XXX±.005/0.XX±0.13	INCH/MM	1:1	RIGHT ANGLE SOLDER HEADER		size	dwg no	sheet	2 of 4
				dr	XXXX±.0020/0.XXX±0.051	scale	1:1			51730-100			
				engr	0°±2°								
				chr	T. BRUNGARD 08/17/04								
				appd	M. GRAY 08/17/04								
					M. GRAY 08/17/04								
sheet index	revision sheet												

cage code 22526

Pro/E

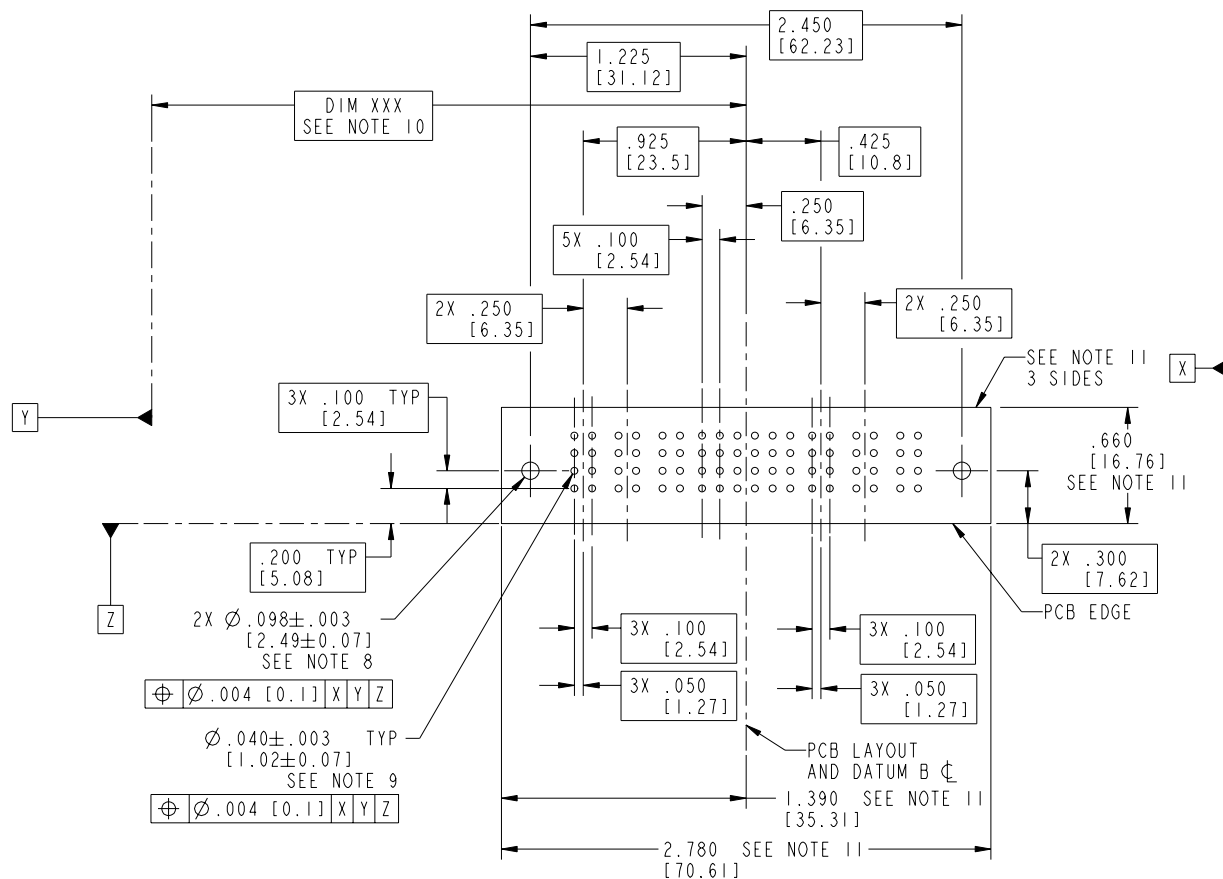
PDM: Rev:C

STATUS: Released

Printed: Dec 20, 2010

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AFI



RECOMMENDED PCB LAYOUT

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				projection	 title3P + 24S + 3P RIGHT ANGLE SOLDER HEADER									
C					.XXX±.005/0.XX±0.13														
					.XXX±.002/0.XXX±0.051														
					0°±2°														
				angles					 INCH/MM	product familyPwrBlade								code	
				dr	T. BRUNGARD08/17/04					size								213	
				enrg	M. GRAY08/17/04					dwg no								sheet	
				chr	M. GRAY08/17/04					A51730-100								3 of 4	
				appd	M. GRAY08/17/04				scale1:1										
sheet index		revision sheet																	
Pro/E								3				cage code				22526		4	

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A
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A

B

1 | 2

3 |

4

PRODUCT NUMBER

51730-100_-
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. PLATING:

51730-100 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.

51730-100LF 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 51730-100LF MEETS EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY 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.

6. PACKAGED IN TRAYS.

PCB NOTES:

7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

8. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

9. $\varnothing .0453 \pm .0010$ [1.151 ± 0.025] DRILLED HOLES PLATED WITH
.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.

10. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.

11. CONNECTOR KEEP-OUT ZONE.

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				A FCI www.fciconnect.com			
ltr		ecn no.		dr		date		linear		.XX±.01/0.X±0.3		projection		COPY		title		3P + 24S + 3P	
C										.XXX±.005/0.XX±0.13						RIGHT ANGLE SOLDER HEADER			
								angles		.XXXX±.0020/0.XXX±0.051									
										0°±2°									
								dr		T. BRUNGARD 08/17/04		INCH/MM		product family		PwrBlade		code	
								enr		M. GRAY 08/17/04		scale		size		dwg no		213	
								chr		M. GRAY 08/17/04		1:1		A		51730-100		sheet	
								appd		M. GRAY 08/17/04								4 of 4	
sheet index		revision																	
		sheet																	

A

B

1 | 2

Pro/E

3 |

cage code 22526

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