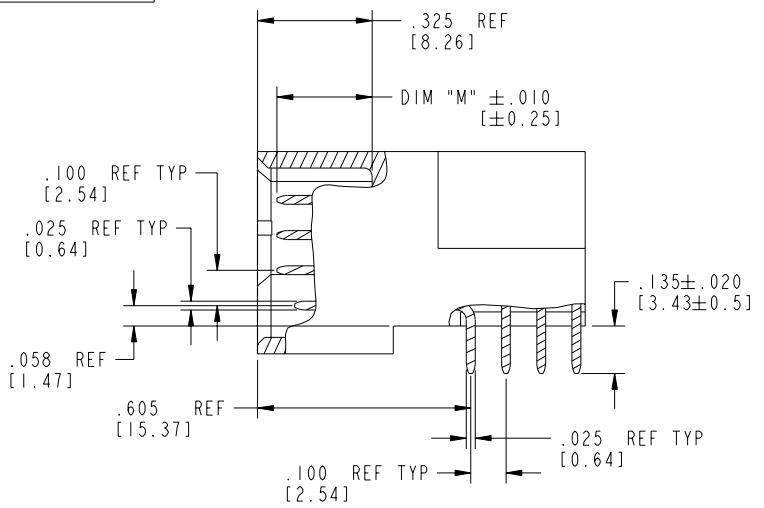




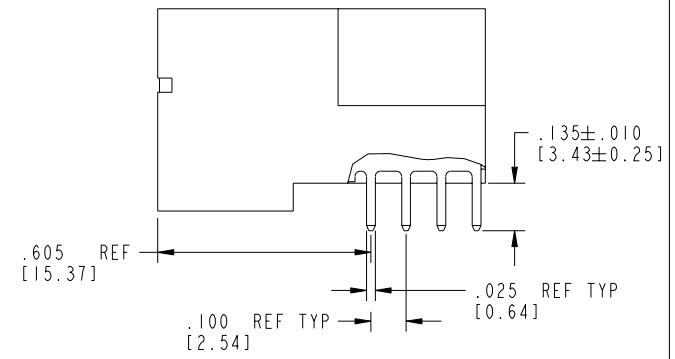
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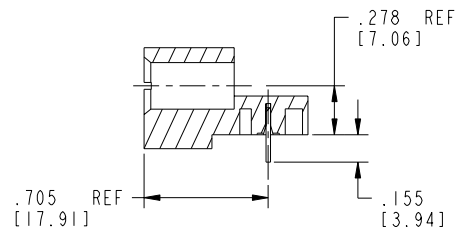
PRODUCT NUMBER  
51730-071\_\_  
NOTE: 3



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		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		projection	title
D					.XXX±.005/0.XX±0.13				5P + 48S + 3P
				angles	.XXX±.0020/0.XX±0.051				RIGHT ANGLE SOLDER HEADER
					0°±2°				product family
				dr	T. BRUNGARD 02/04/03	scale		1:1	PwrBlade
				enrg	M. MOSTOLLER 02/04/03			size	code
				chr	M. MOSTOLLER 02/04/03			A	213
				appd	M. MOSTOLLER 02/04/03			51730-071	sheet
sheet index	revision sheet								2 of 4

cage code 22526

Pro/E

PDM: Rev:D

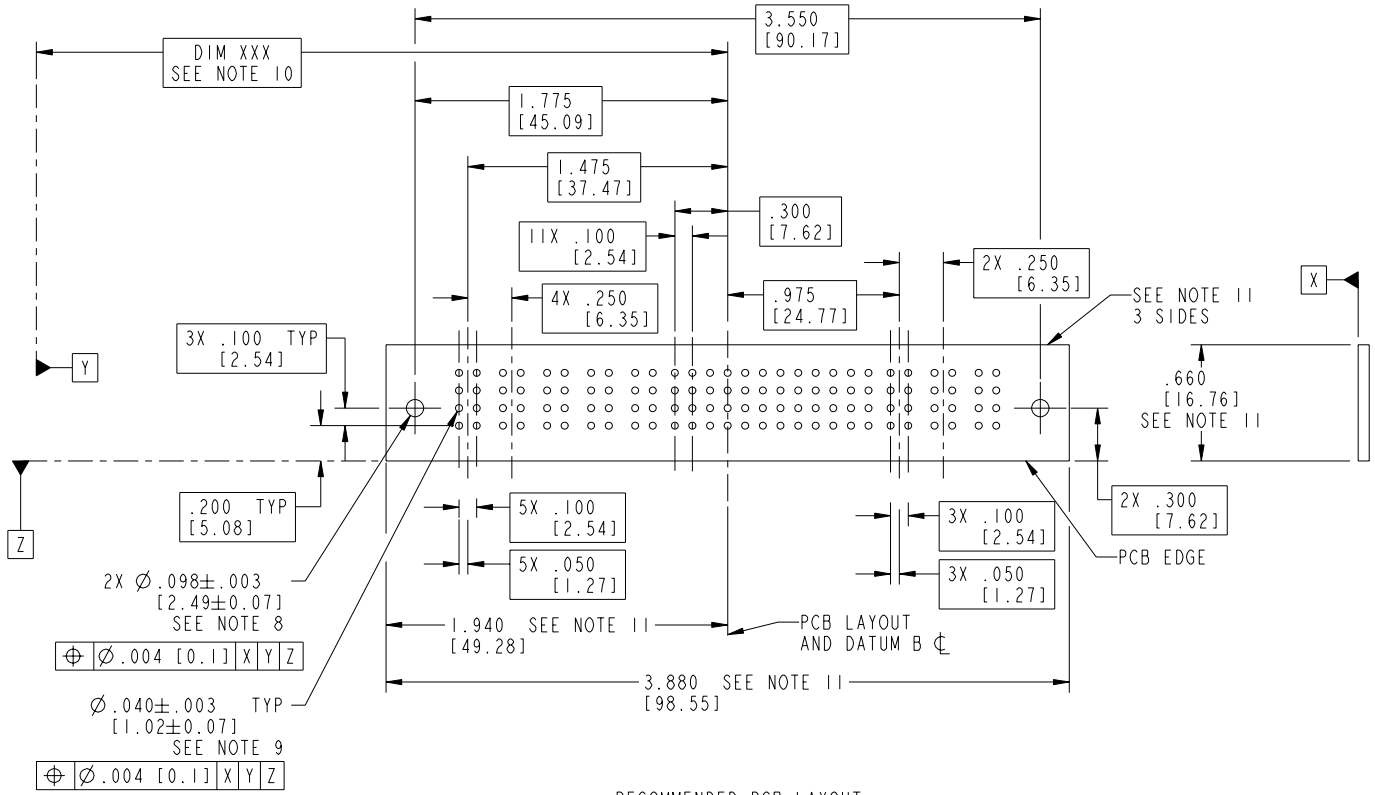
STATUS: Released

Printed: Dec 20, 2010

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PRODUCT NUMBER  
51730-071\_\_  
NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY		title 5P + 48S + 3P		
D				angles	.XXX±.005/0.XX±0.13			RIGHT ANGLE SOLDER HEADER			
				dr	.XXXX±.0020/0.XXX±0.051			product family PwrBlade		code 213	
				engr	T. BRUNGARD 02/04/03	scale 1:1		size dwg no		sheet 3 of 4	
				chr	M. MOSTOLLER 02/04/03			A 51730-071			
				appd	M. MOSTOLLER 02/04/03						
sheet index	revision sheet										

cage code 22526

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PDM: Rev:D

STATUS: Released

Printed: Dec 20, 2010

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**FCI**

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B

PRODUCT NUMBER

51730-071\_\_  
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:  
51730-071 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.  
51730-071LF 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 51730-071LF 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 ± .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		<b>A</b> <b>FCI</b> www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY		title 5P + 48S + 3P		
D					.XXX±.005/0.XX±0.13	INCH/MM		product family PwrBlade		code 213	
				angles	XXXX±.0020/0.XXX±0.051	scale 1:1		size dwg no		sheet 4 of 4	
				dr	0° ± 2°			A		51730-071	
				enrg	T. BRUNGARD 02/04/03						
				chr	M. MOSTOLLER 02/04/03						
				appd	M. MOSTOLLER 02/04/03						
sheet index	revision sheet										

cage code 22526 4

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PDM: Rev:D

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