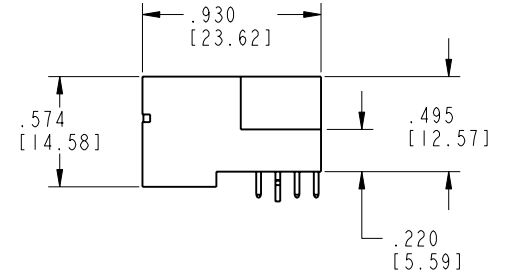
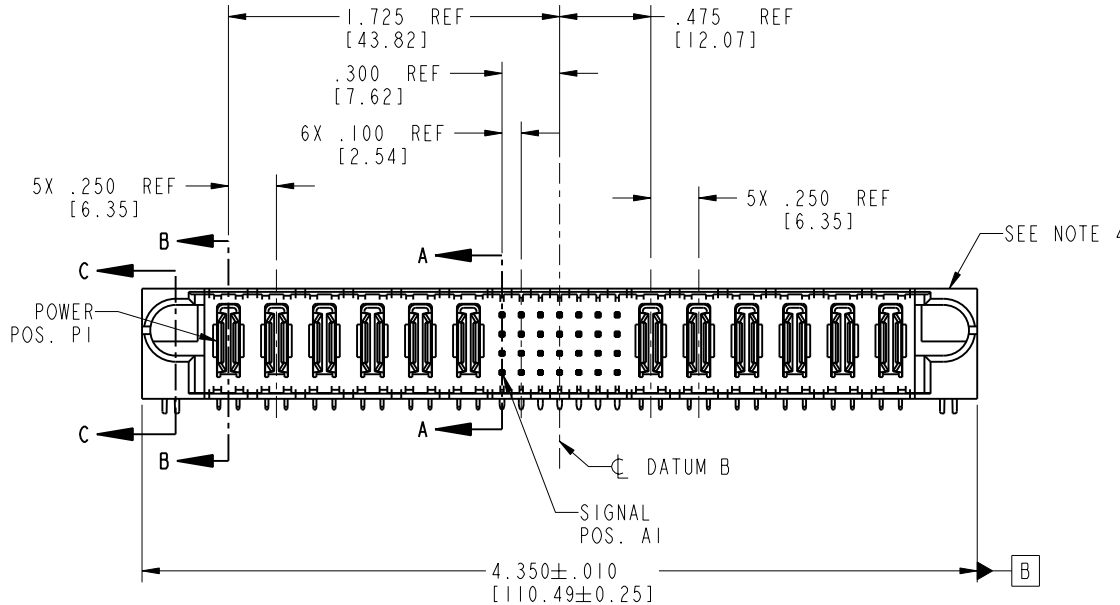
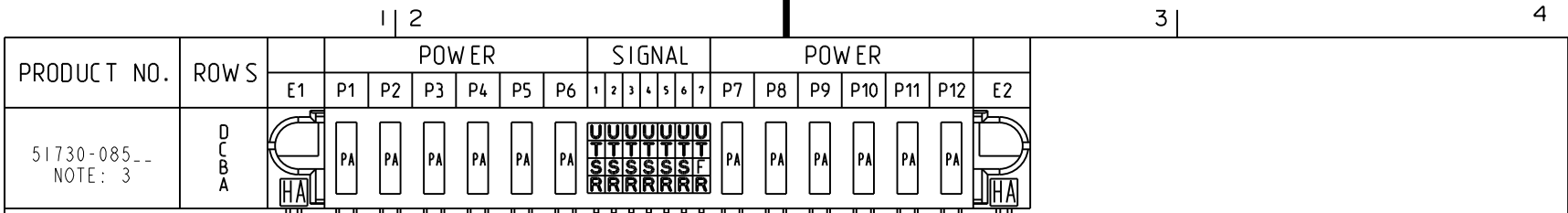


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CODE	DIM "M" MATING LENGTH	CONTACT TYPE
F	.220 [5.59]	SIGNAL
R	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
U	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER
HA	N/A [N/A]	HOLD-DOWN

mat'l code				tolerances unless otherwise specified		CUSTOMER	
ltr	ecn no.	dr	date	linear	angles	COPY	
A	V03-1343	TAB	12/17/03	.XX±.01/0.X±0.3	0°±2°	projection	
B	DG05-0501	GuoJM	11/24/05	.XXX±.005/0.XX±0.13		INCH/MM	
				.XXX±.0020/0.XXX±0.051		scale	
				dr	engr	1:1	
				chr	appd		
sheet index	revision sheet	B 1	B 2	B 3	B 4		

A FCI		www.fciconnect.com	
title		6P + 28S + 6P	
product family		PwrBlade	
size		A	
dwg no		51730-085	
code		213	
sheet		1 of 4	

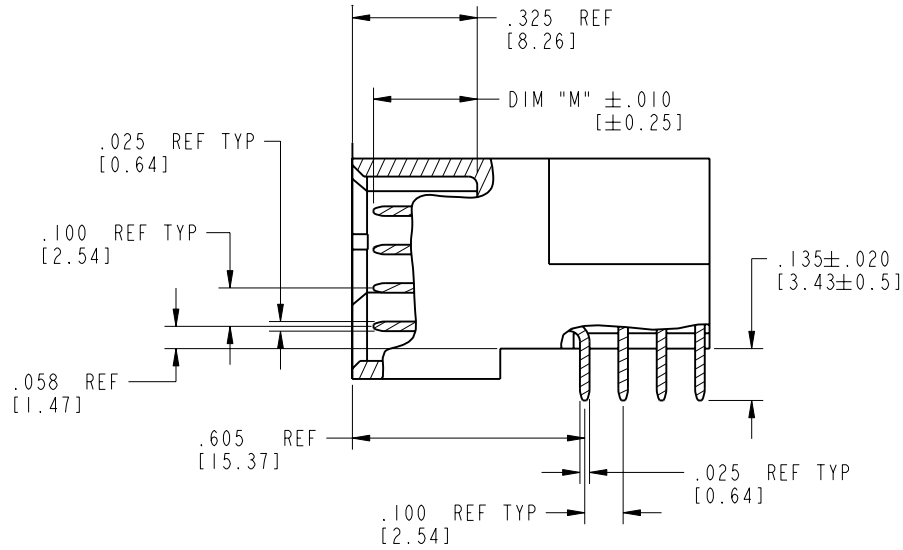
coge code 22526

Pro/E

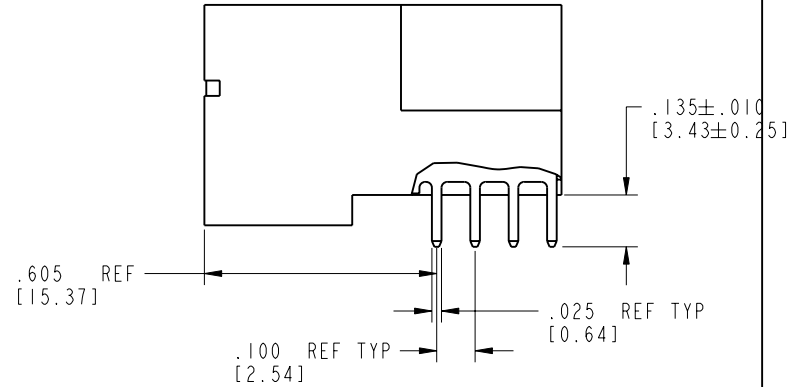
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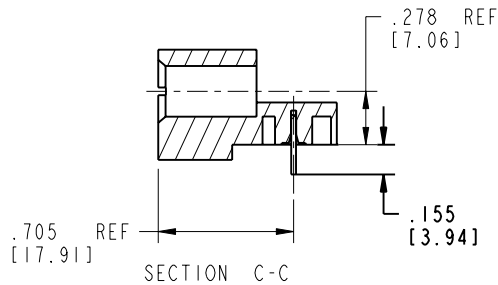
PRODUCT NUMBER  
51730-085--  
NOTE: 3




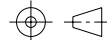
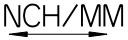
BROKEN-OUT SECTION A-A  
SCALE 2:1



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	
lfr	ecr no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY		title
B				angles	.XXX±.005/0.XX±0.13		6P + 28S + 6P		RIGHT ANGLE SOLDER HEADER
				dr	.XXX±.0020/0.XXX±0.051		product family	PwrBlade	code
				engr	0° ± 2°	scale	size	dwg no	213
				chr		1:1	A	51730-085	sheet
				appd					2 of 4
sheet index	revision sheet								

cage code 22526

Pro/E

PDM: Rev:B

STATUS: Released

Printed: Dec 20, 2010



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**A** **FCI**

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A

B

**PRODUCT NUMBER**

51730-085\_\_  
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:

51730-085 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.

51730-085LF 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 51730-085LF 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.

6. PACKAGED IN TRAYS.

**PCB NOTES:**


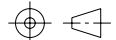
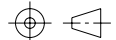
7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

8. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

9.  $\varnothing .0453 \pm .0010$  [1.151  $\pm$  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		 www.fciconnect.com	
lfr	ecr no.	dr	date	linear	.XX±.01/0.X±0.3		COPY		 title 6P + 28S + 6P RIGHT ANGLE SOLDER HEADER		
B					angles	.XXX±.005/0.XX±0.13 .XXX±.0020/0.XXX±0.051		 INCH/MM scale 1:1		product family PwrBlade code 213 size dwg no 51730-085 sheet 4 of 4	
				dr	T. BRUNGARD	12/17/03					
				engr	M. GRAY	12/17/03					
				chr	M. GRAY	12/17/03					
				appd	M. GRAY	12/17/03					
sheet index		revision sheet									

A

B

1 | 2

3 |

4

1 | 2

Pro/E

3 |

coge code 22526

4