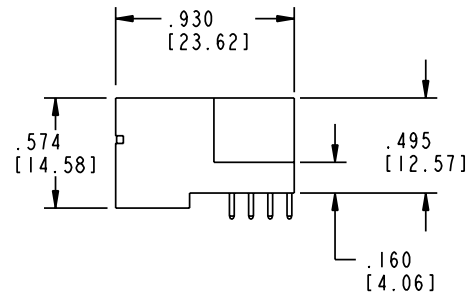
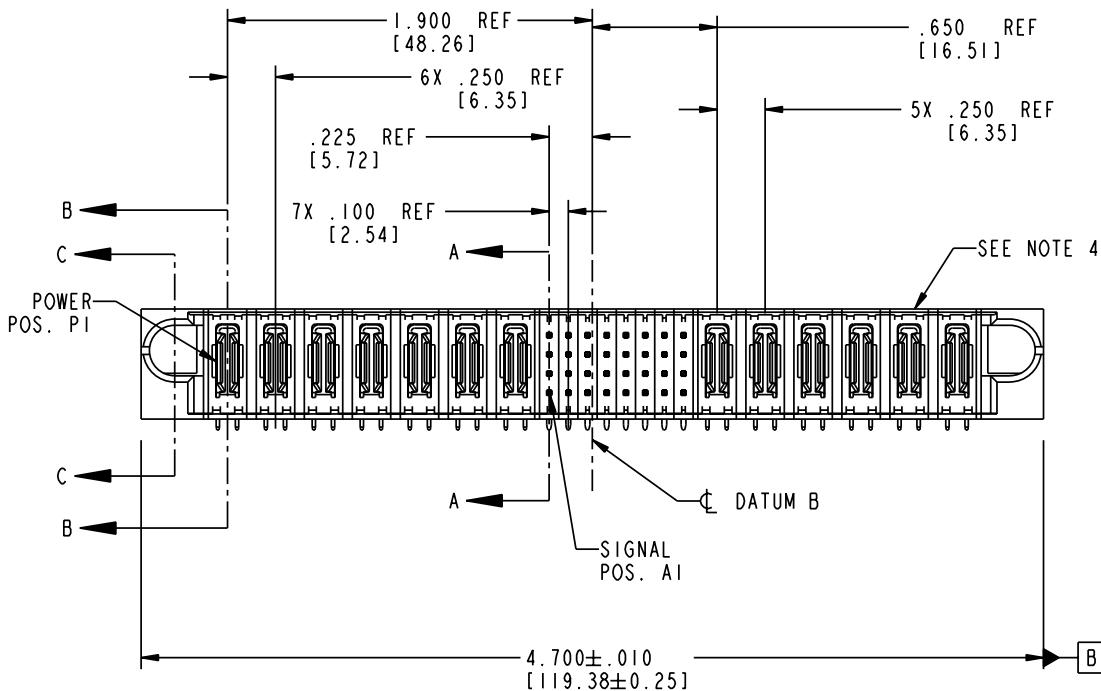
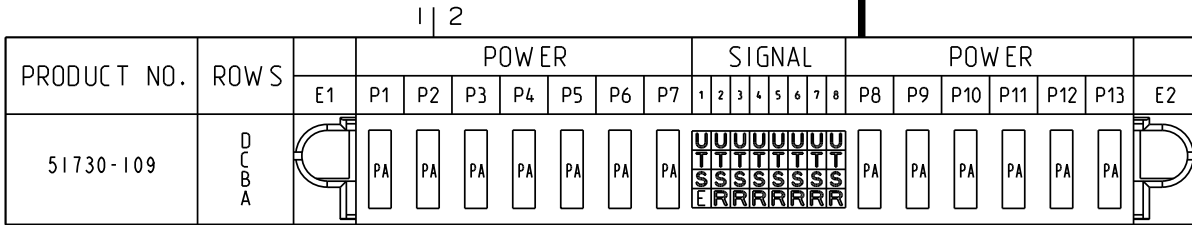


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FCI



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

mat'l code				tolerances unless otherwise specified		CUSTOMER	
lir	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY	
A	DG05-0040	SW	03/07/05	angles	.XXX±.005/0.XX±0.13	projection	
					.XXX±.0020/0.XXX±0.051	INCH/MM	
				dr	0°±2°	scale	
				enr	STEVEN WANG 03/07/05	1:1	
				chr	STEVEN WANG 03/07/05		
				appd	VICTOR LIN 03/07/05		
					JOSEPH HSIA 03/07/05		
sheet index	revision sheet	A	A	A	A		
		1	2	3	4		

FCI		www.fciconnect.com	
title		7P + 32S + 6P	
product family		PwrBlade	
size	dwg no	code	
A	51730-109	213	
sheet		1 of 4	

Pro/E

PDM: Rev: A

STAT: Released

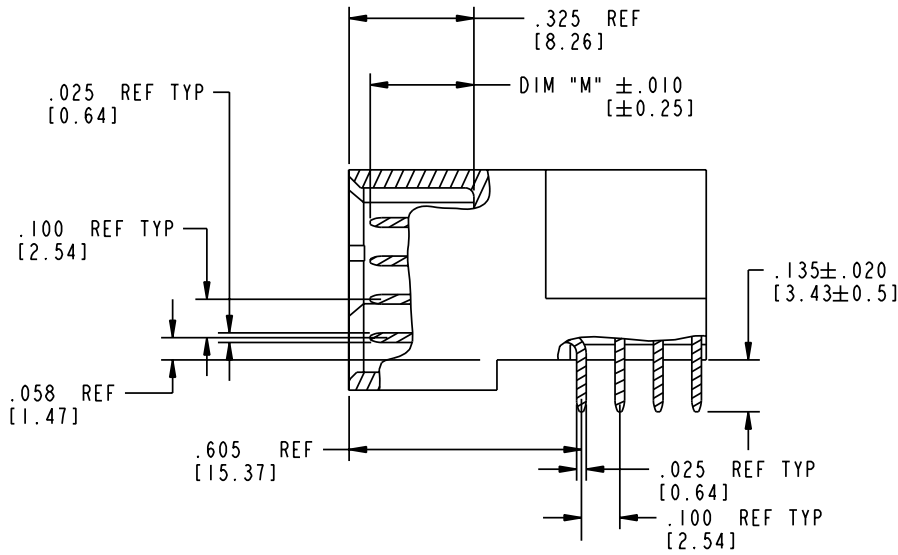
Printed: Dec 20, 2010

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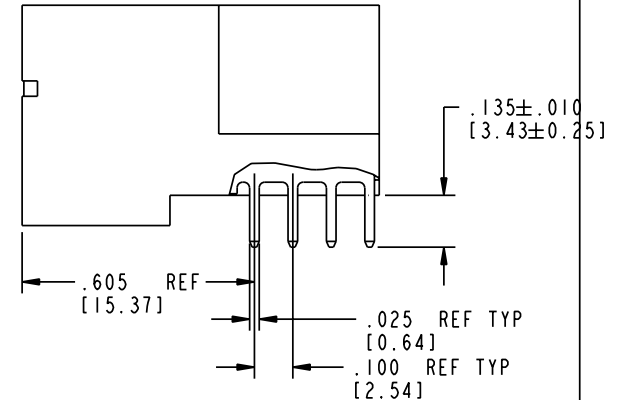
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FCI

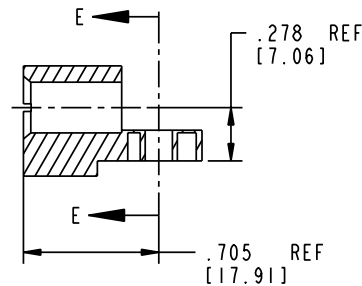
PRODUCT NUMBER
51730-109



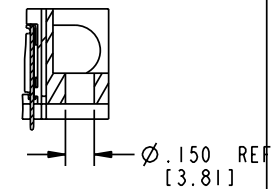
BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C



PARTIAL SECTION E-E

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		title	
A				linear	.XXX±.005/0.XX±0.13	projection		7P + 32S +6P	
				angles	.XXX±.0020/0.XXX±0.051	 INCH/MM		RIGHT ANGLE SOLDER HEADER	
				dr	0°±2°	scale		product family	
				engr	STEVEN WANG 03/07/05	1:1		PwrBlade	
				chr	STEVEN WANG 03/07/05	A		code	
				appd	VICTOR LIM 03/07/05	51730-109		213	
					JOSEPH HSIA 03/07/05			sheet	
sheet index	revision sheet							2 of 4	

Pro/E

PDM: Rev: A

STAT: ~~Released~~ 23526

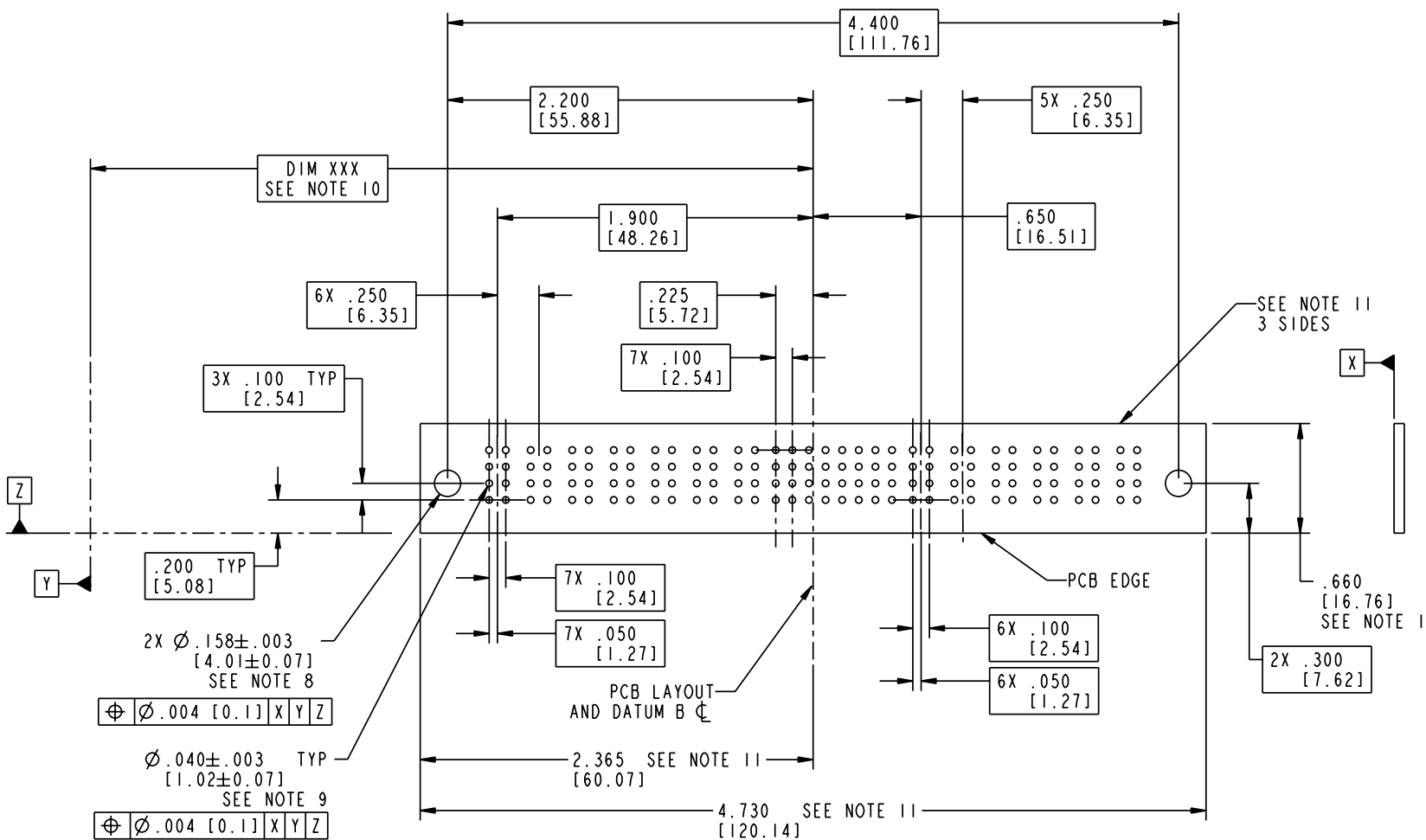
Printed: Dec 20, 2010

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FCI

PRODUCT NUMBER
51730-109



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	title		
A				angles	.XX±.005/0.XX±0.13		7P + 32S +6P		
				dr	.XXX±.0020/0.XXX±0.051	INCH/MM	RIGHT ANGLE SOLDER HEADER		
				enr	0°±2°	scale	product family	PwrBlade	code
				enr	STEVEN WANG 03/07/05	1:1	size	dwg no	213
				chr	STEVEN WANG 03/07/05		51730-109		sheet
				appd	VICTOR LIN 03/07/05				3 of 4
					JOSEPH HSIA 03/07/05				
sheet index	revision sheet								

Pro/E

PDM: Rev: A

STAT: Released

Printed: Dec 20, 2010


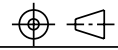
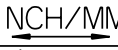
PRODUCT NUMBER
51730-109

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:
SIGNAL PINS: 30u"/0.76um Au OVER 50u"/1.27um Ni
POWER CONTACTS: 50u"/1.27um Ni UNDER ALL
WITH 30u"/0.76um Au ON CONTACT AREA
AND SnPb ON PCB INTERFACE
 - 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	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		title	
A				projection	.XXX±.005/0.XX±0.13			7P + 32S +6P	
				angles	.XXX±.0020/0.XXX±0.051			RIGHT ANGLE SOLDER HEADER	
				dr	0° ± 2°	INCH/MM		product family	
				enrg	STEVEN WANG 03/07/05	scale		PwrBlade	
				chr	STEVEN WANG 03/07/05	1:1		code	
				appd	VICTOR LIN 03/07/05	A		213	
					JOSEPH HSIA 03/07/05	size		sheet	
						A		4 of 4	
sheet index	revision sheet					51730-109			

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