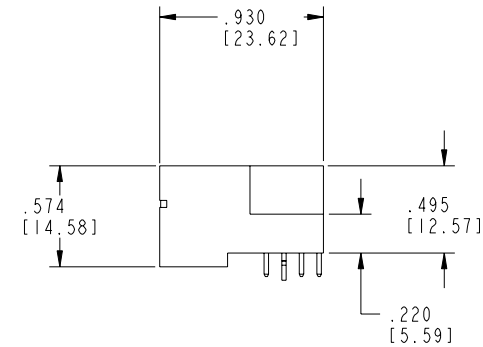
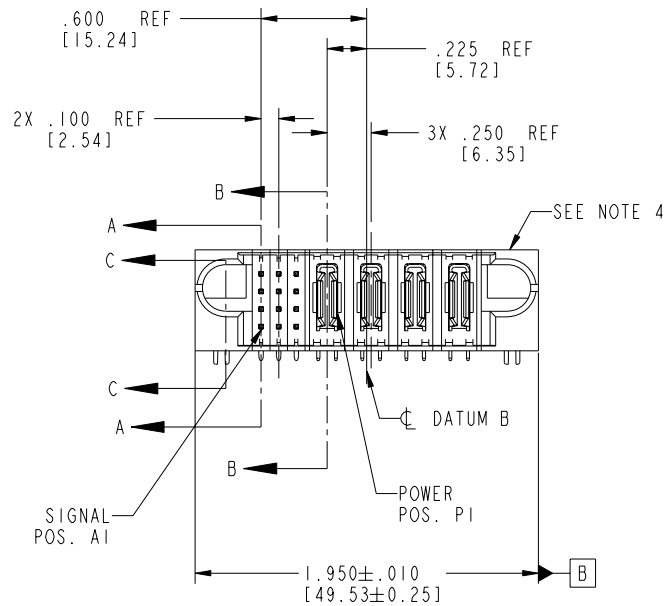
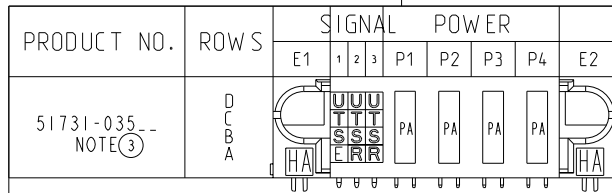


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CODE	DIM "M" MATING LENGTH	CONTACT TYPE
U	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
E	.220 [5.59]	SIGNAL
R	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER
HA	N/A [N/A]	HOLD-DOWN

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecr no.	dr	date	linear	angular	dr	engr	chr	appd	COPY	projection
A	DG05-0457	CS	11/14/05	.XX±.01/0.X±0.3	.XXX±.005/0.XX±0.13	.XXX±.0020/0.XXX±0.051	STEVEN WANG	VICTOR LIN	JOSEPH HSIA	11/14/05	11/14/05
				0°±2°						INCH/MM	scale
										1:1	
sheet index	revision	A	A	A	A						
	sheet	1	2	3	4						
				cage code		22526		4			

Pro/E

PDM: Rev:A

STATUS: Released

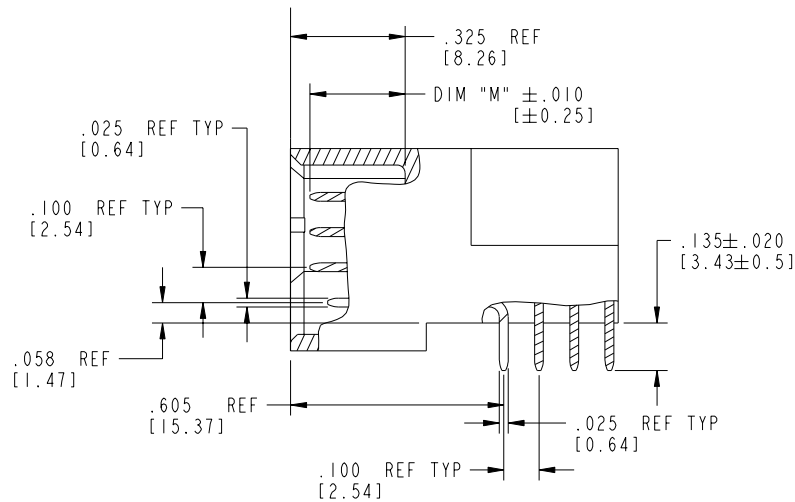
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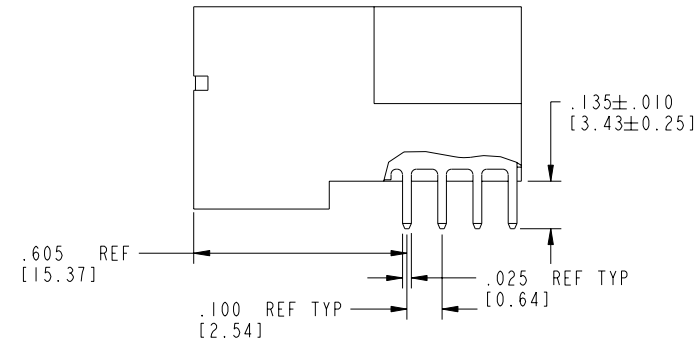
A
FCI

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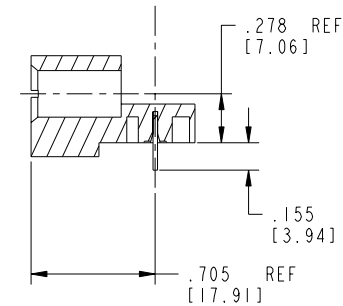
PRODUCT NUMBER
51731-035--
NOTE③



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	
ltr	ecn no.	dr	date	linear		.XX±.01/.0.X±0.3		COPY		projection		title 12S + 4P	
A						.XXX±.005/.0.XX±0.13		INCH/MM		product family PwrBlade		code 213	
						.XXXX±.0020/.0.XXX±0.051		scale 1:1		size dwg no		sheet 2 of 4	
					angles	0°±2°				A 51731-035			
				dr	CS	11/14/05							
				enr	STEVEN WANG	11/14/05							
				chr	VICTOR LIN	11/14/05							
				appd	JOSEPH HSIA	11/14/05							
sheet index	revision sheet												

cage code 22526

Pro/E

PDM: Rev:A

STATUS:Released

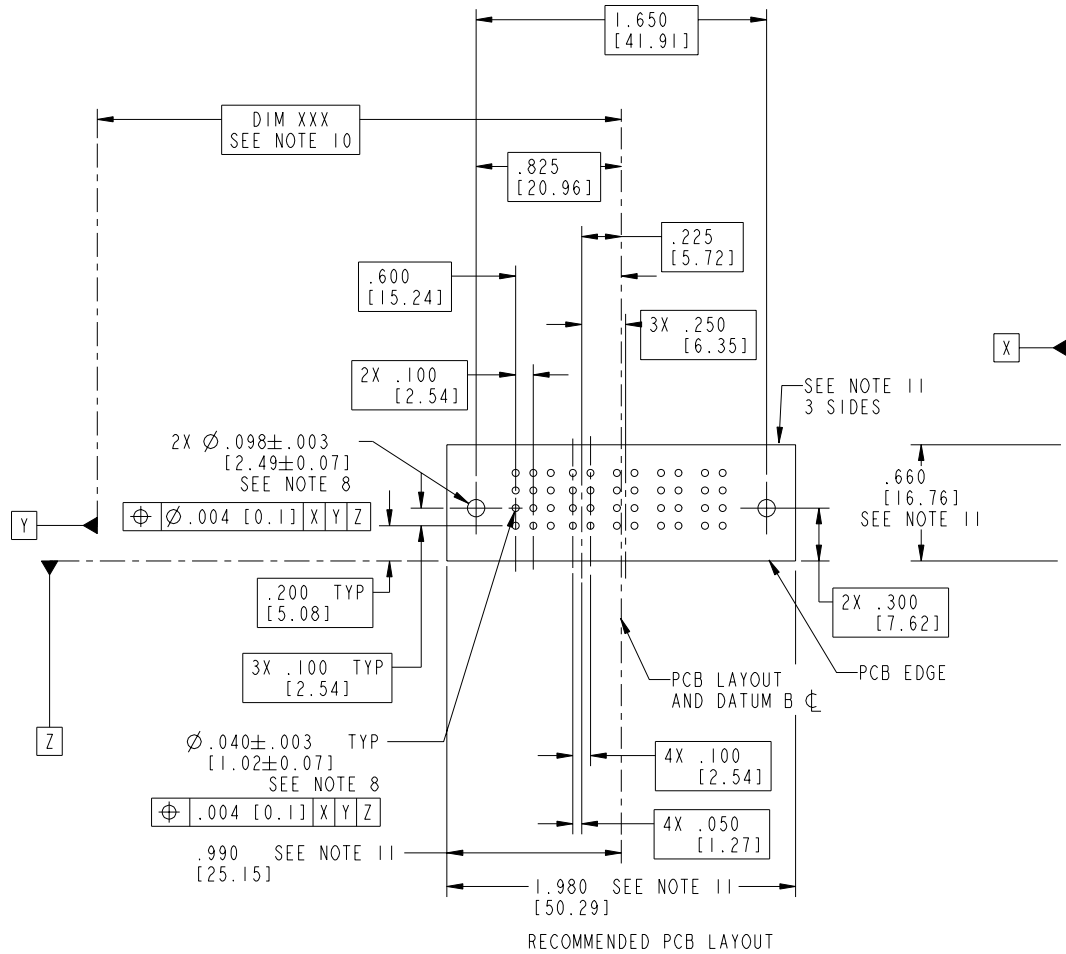
Printed: Dec 20, 2010

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PRODUCT NUMBER
51731-035--
NOTE ③



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		12S + 4P	
A								.XXX±.005/0.XX±0.13		.XXXX±.0020/0.XXX±0.051		0°±2°		INCH/MM		product family		PwrBlade	
								dr		CS		11/14/05		scale		size		dwg no	
								enr		STEVEN WANG		11/14/05		1:1		A		51731-035	
								chr		VICTOR LIN		11/14/05						sheet	
								appd		JOSEPH HSIA		11/14/05						3 of 4	
sheet index		revision		sheet														cage code	
																		22526	

Pro/E

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B

PRODUCT NUMBER

51731-035_-
NOTE③

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:

51731-035 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.

51731-035LF 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 51731-035LF 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				A FCI www.fciconnect.com			
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3			COPY				projection				title			
A					.XXX±.005/0.XX±0.13											12S + 4P			
				angles	XXXX±.0020/0.XXX±0.051											RIGHT ANGLE SOLDER HEADER			
				dr	CS	11/14/05			INCH/MM				product family						
				enr	STEVEN WANG	11/14/05			scale				PwrBlade						
				chr	VICTOR LIN	11/14/05			1:1				size						
				appd	JOSEPH HSIA	11/14/05							dwg no						
sheet index		revision sheet												A		51731-035		code	
																213		sheet	
																4 of 4			

cage code 22526

4

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