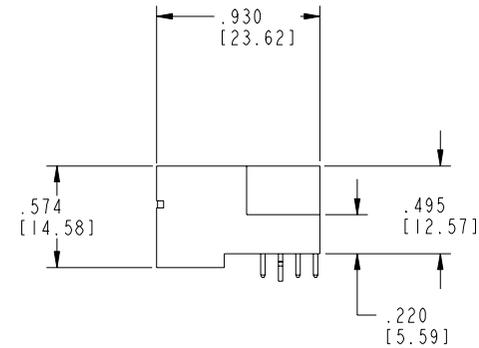
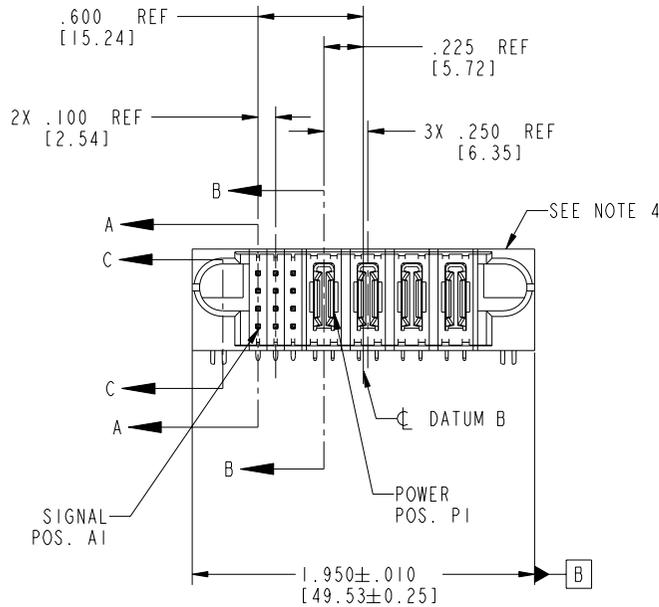
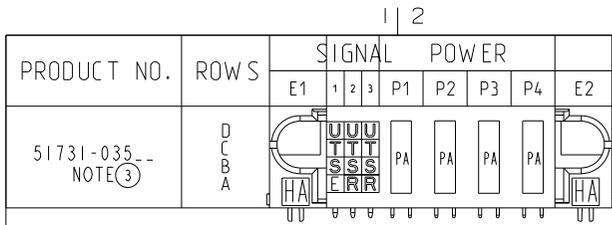


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CODE	DIM "M" MATING LENGTH	CONTACT TYPE
U	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
E	.220 [5.59]	SIGNAL
R	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER
HA	N/A [N/A]	HOLD-DOWN

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER	
ltr	ecn no.	dr	date	linear	angles	dr	CS	11/14/05	11/14/05
A	DG05-0457	CS	11/14/05	.XX±.01/0.X±0.3	0°±2°	enr	STEVEN WANG	11/14/05	11/14/05
				.XXX±.005/0.XX±0.13		chr	VICTOR LIN	11/14/05	11/14/05
				.XXX±.0020/0.XXX±0.051		appd	JOSEPH HSIA	11/14/05	11/14/05
sheet index	revision sheet	A	A	A	A				
		1	2	3	4				

CUSTOMER		title	
COPY	projection	12S + 4P	RIGHT ANGLE SOLDER HEADER
INCH/MM	scale	product family	PwrBlade
1:1		size	dwg no
		A	51731-035
		code	213
		sheet	1 of 4

cage code 22526 4

Pro/E

PDM: Rev:A

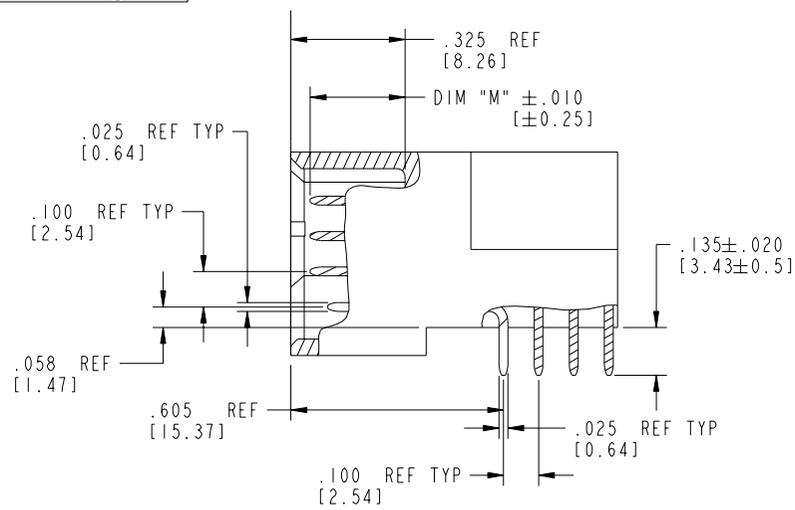
STATUS: Released

Printed: Dec 20, 2010

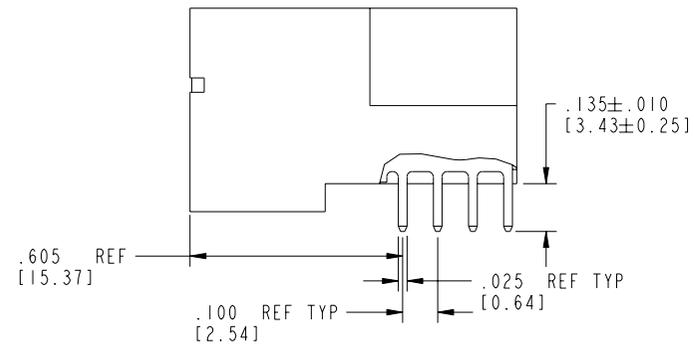
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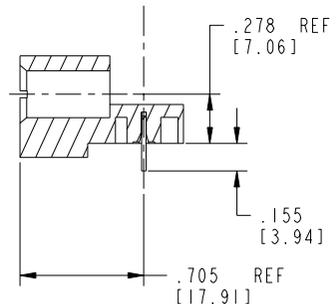
PRODUCT NUMBER
51731-035--
NOTE ③



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
A					.XXX±.005/0.XX±0.13				12S + 4P
				angles	.XXX±.0020/0.XXX±0.051				RIGHT ANGLE SOLDER HEADER
				dr	0°±2°				product family
				enr	CS 11/14/05			scale	PwrBlade
				chr	STEVEN WANG 11/14/05			1:1	code
				appd	VICTOR LIN 11/14/05			A	213
					JOSEPH HSIA 11/14/05			51731-035	sheet
sheet index	revision sheet								2 of 4

cage code 22526

Pro/E

PDM: Rev:A

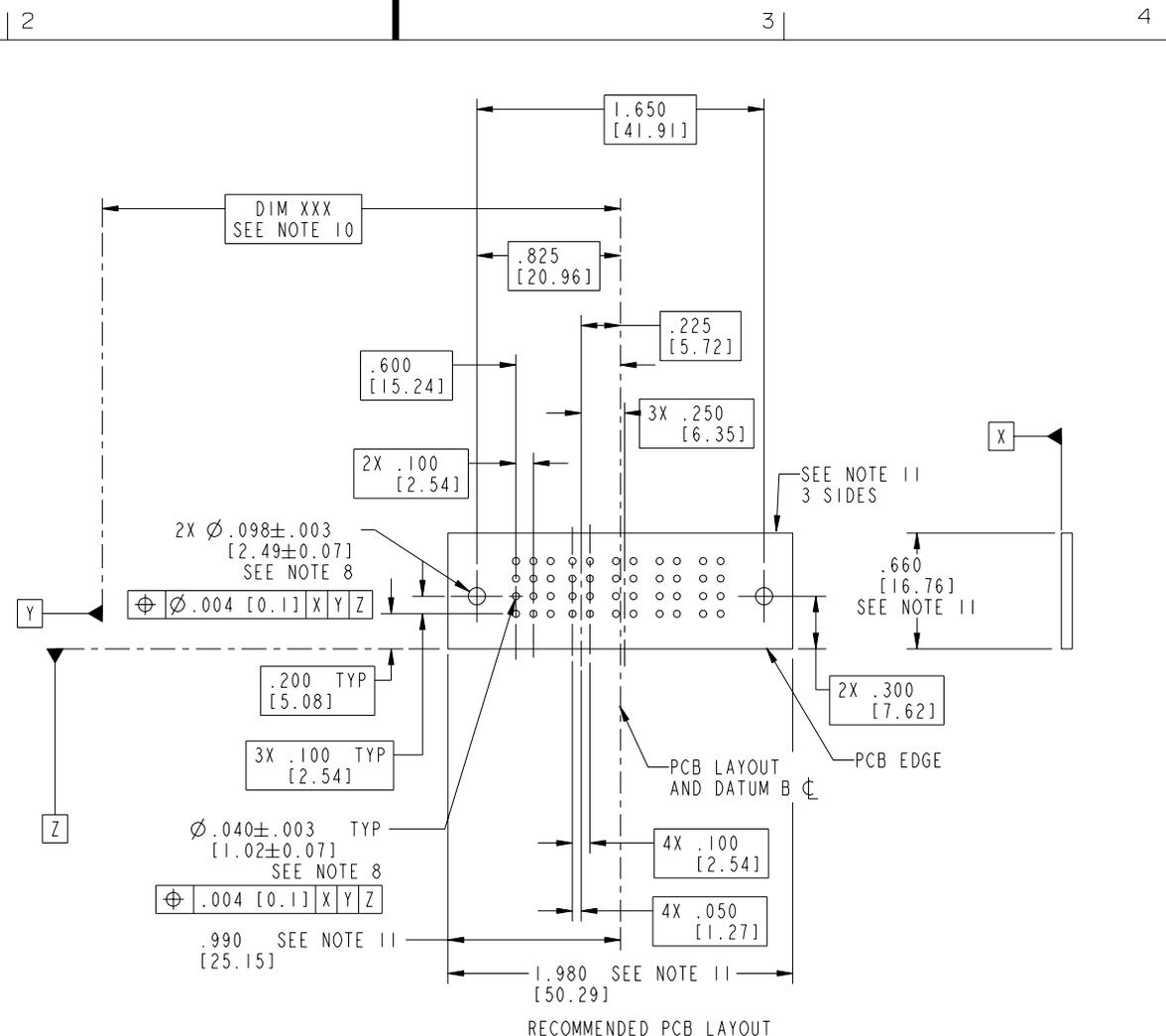
STATUS: Released

Printed: Dec 20, 2010

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PRODUCT NUMBER
51731-035--
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	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		code
				enr	STEVEN WANG	11/14/05	scale		PwrBlade		213
				chr	VICTOR LIN	11/14/05	1:1		size		sheet
				appd	JOSEPH HSIA	11/14/05			A		3 of 4
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)

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

cage code 22526 4