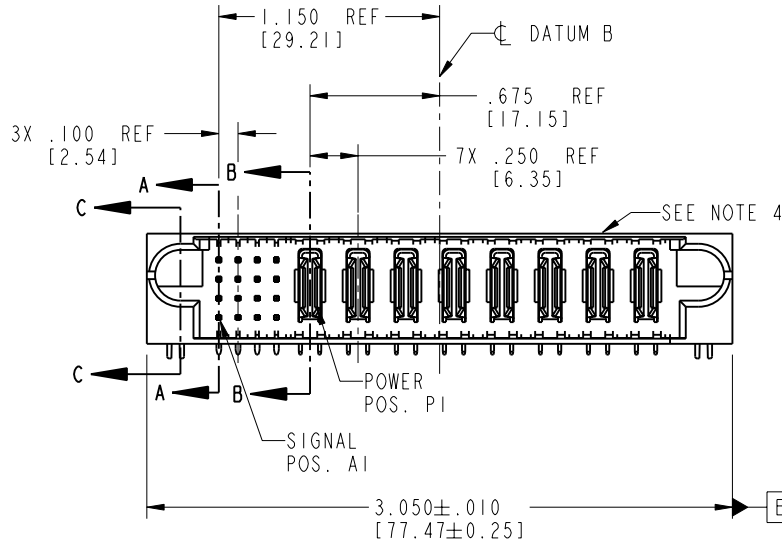
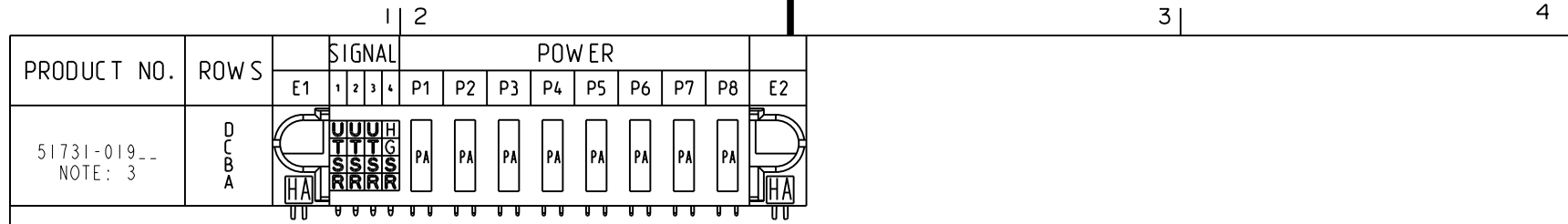


CODE	DIM "M" MATING LENGTH	CONTACT TYPE
R	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
U	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER
HA	N/A [N/A]	HOLD-DOWN
H	.220 [5.59]	SIGNAL
G	.220 [5.59]	SIGNAL

mat'l code				tolerances unless otherwise specified		CUSTOMER	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY	
A	V03-0710	DAI	06/28/03		.XXX±.005/0.XX±0.13	projection	
B	DG05-0531	GvoJM	12/15/05	angles	.XXX±.0020/0.XXX±0.051		
				dr	D. INGRAM 06/28/03	INCH/MM	
				engr	M. MOSTOLLER 06/28/03	scale	
				chr	M. MOSTOLLER 06/28/03		
				appd	M. MOSTOLLER 06/28/03		
sheet index	revision sheet	B 1	B 2	B 3	B 4		

A FCI				www.fciconnect.com	
title	16S + 8P RIGHT ANGLE SOLDER HEADER			product family	PwrBlade
size	dwg no	code		sheet	
A	51731-019	213		1 of 4	

cage code 22526

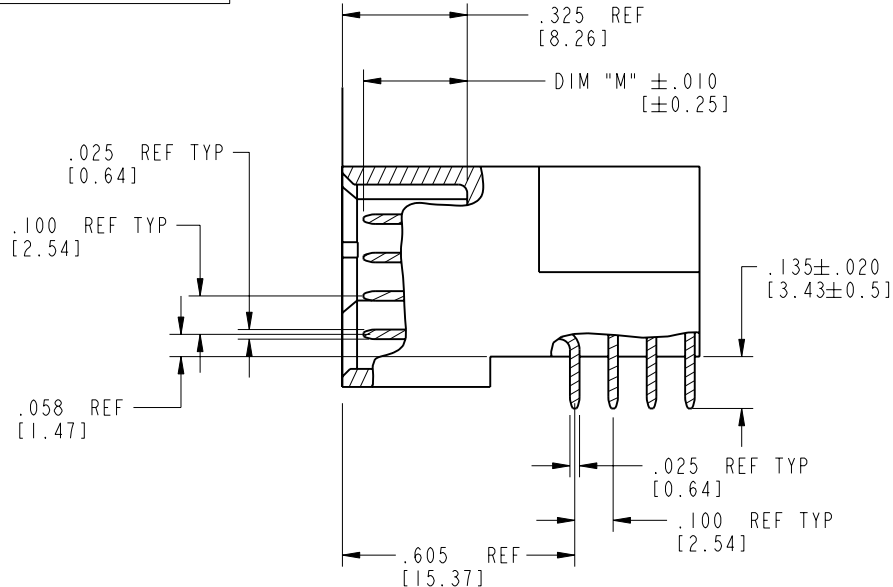
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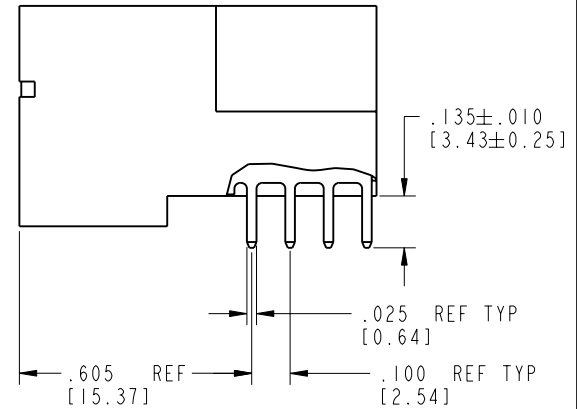
FCI

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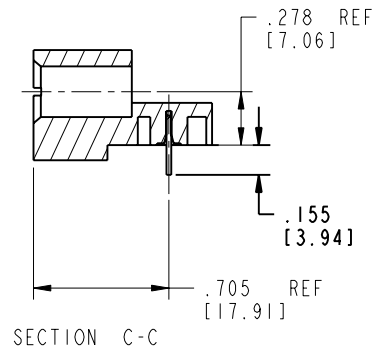
PRODUCT NUMBER
51731-019--
NOTE: 3



BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C

mat'l code				tolerances unless otherwise specified		CUSTOMER		A FCI	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
B				linear	.XXX±.005/0.XX±0.13	projection		title	16S + 8P
				angles	.XXX±.0020/0.XX±0.051			RIGHT ANGLE SOLDER HEADER	
				dr	D. INGRAM 06/28/03	INCH/MM		product family	PwrBlade
				enqr	M. MOSTOLLER 06/28/03	scale		size	213
				chr	M. MOSTOLLER 06/28/03	1:1		dwg no	51731-019
				appd	M. MOSTOLLER 06/28/03			sheet	2 of 4
sheet index	revision sheet								

Pro/E

cage code 22526

PDM: Rev:B

STATUS: Released

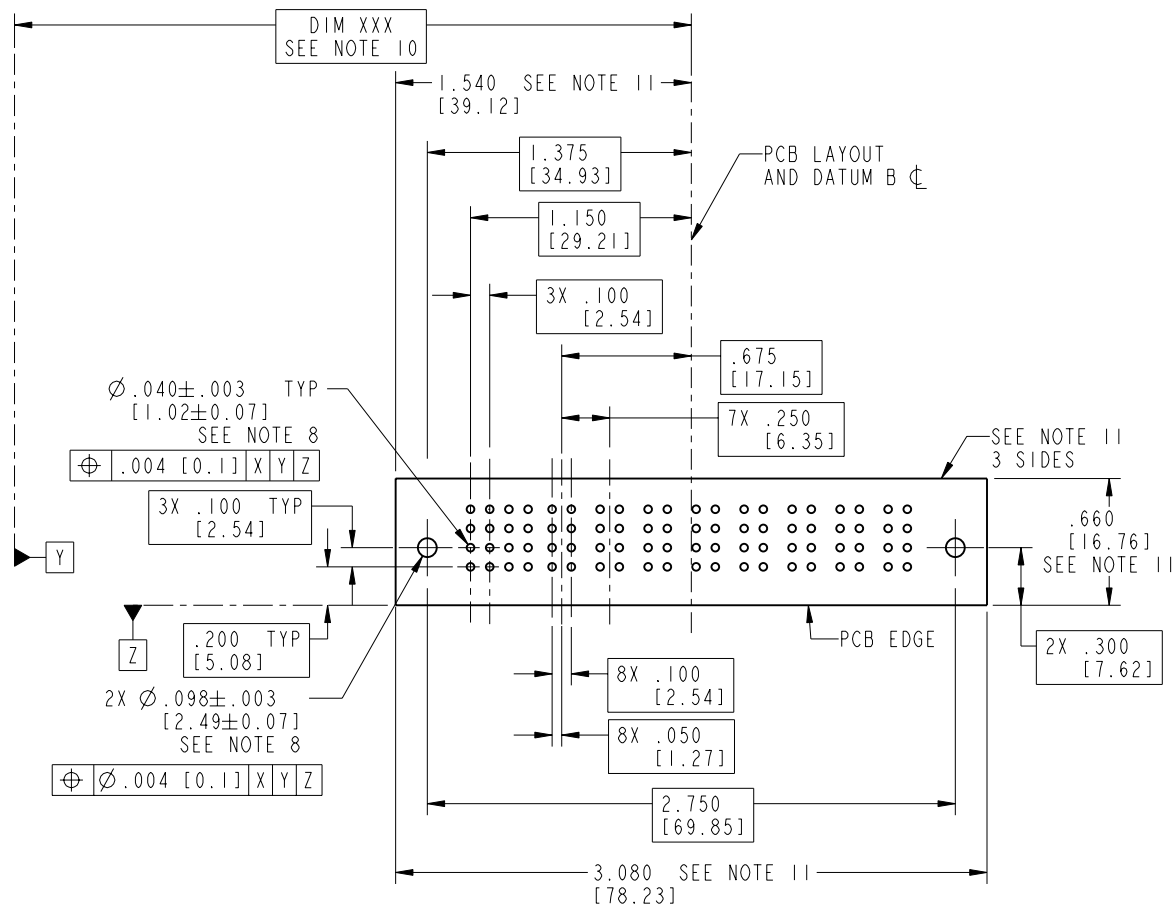
Printed: Dec 20, 2010

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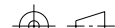
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PRODUCT NUMBER
51731-019--
NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		COPY		projection 	title	
B					.XXX±.005/0.XX±0.13					16S + 8P	
					.XXX±.0020/0.XX±0.051					RIGHT ANGLE SOLDER HEADER	
				angles	0°±2°						
		dr			D. INGRAM	06/28/03	INCH/MM		product family		code
		enrg			M. MOSTOLLER	06/28/03	← INCH →		size	dwg no	213
		chr			M. MOSTOLLER	06/28/03	scale		A		sheet
		appd			M. MOSTOLLER	06/28/03	1:1		51731-019		3 of 4
sheet index	revision sheet										

Pro/E

cage code 22526

PDM: Rev:B

STATUS: Released

Printed: Dec 20, 2010

PRODUCT NUMBER
51731-019--
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:

51731-019 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.

51731-019LF 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 51731-019LF 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:

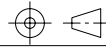
7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

8. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

9. $\varnothing .0453 \pm .0010$ [1.151 $\pm$ 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 $\pm$.01/0.X $\pm$ 0.3		COPY				
B					.XXX $\pm$.005/0.XX $\pm$ 0.13		projection				
					.XXX $\pm$.0020/0.XXX $\pm$ 0.051		INCH/MM				
				angles	0° $\pm$ 2°		scale				
				dr	D. INGRAM	06/28/03	INCH/MM		product family		PwrBlade
				engr	M. MOSTOLLER	06/28/03	1:1		size		dwg no
				chr	M. MOSTOLLER	06/28/03			A		51731-019
				appd	M. MOSTOLLER	06/28/03			sheet		4 of 4
sheet index		revision sheet									

cage code 22526

Pro/E