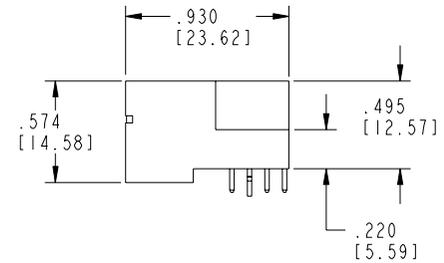
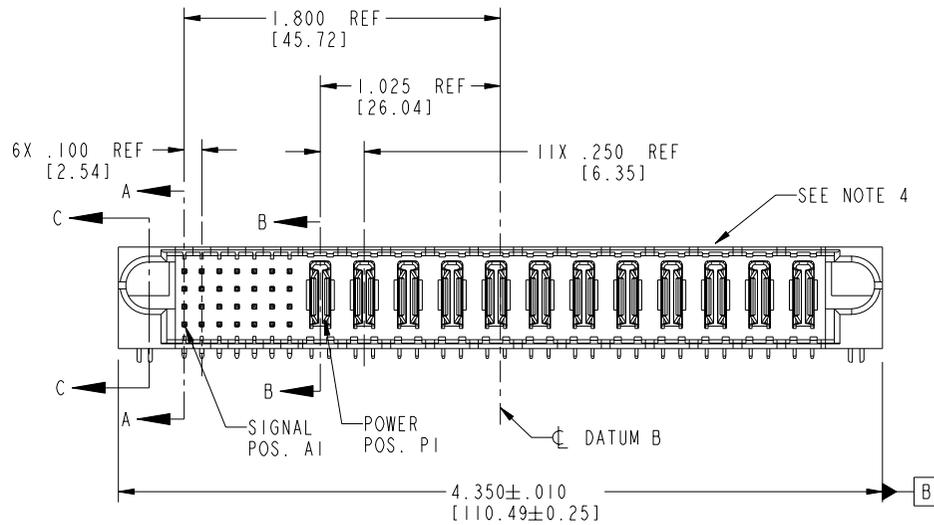
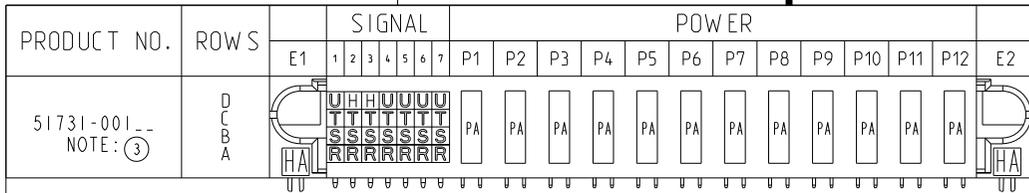


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CODE	DIM "M" MATING LENGTH	CONTACT TYPE
H	.220 [5.59]	SIGNAL
R	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
U	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER
HA	N/A [N/A]	HOLD-DOWN

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER	
ltr	ecn no.	dr	date	linear	.XX±.01/0.XX±0.3	linear	.XXX±.005/0.XX±0.13	COPY	
A	V02550	JWS	11-10-00	angles	0°±2°	enr	M. MOSTOLLER 03-26-02	projection	
B	V20302	DA1	02-08-02	chr	M. MOSTOLLER 03-26-02	appd	M. MOSTOLLER 03-26-02	INCH/MM	
C	V20495	JWS	03-26-02	sheet index	1	revision	D	scale	
D	DG05-0455	CS	11/12/05	sheet	2	revision	D	1:1	
				sheet	3	revision	D		
				sheet	4	revision	D		

CUSTOMER		FCI		www.fciconnect.com	
title		28S + 12P		product family	
projection		RIGHT ANGLE SOLDER HEADER		PwrBlade	
size		A		code	
dwg no		51731-001		213	
sheet		1 of 4			

cage code 22526 4

Pro/E

PDM: Rev:D

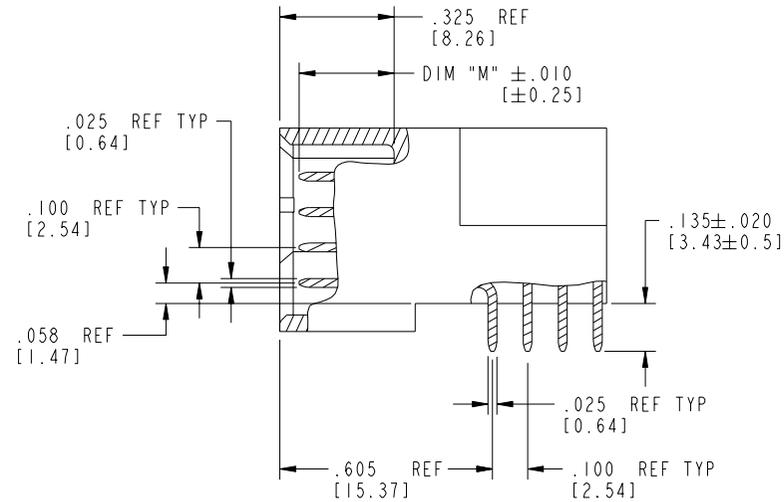
STATUS: Released

Printed: Dec 20, 2010

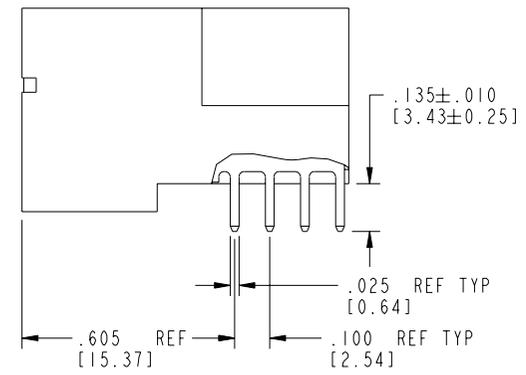
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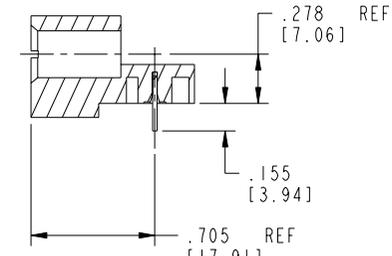
PRODUCT NUMBER  
51731-001--  
NOTE: (3)



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			
D				linear	.XXX±.005/0.XX±0.13	INCH/MM		title	
				angles	.XXX±.0020/0.XXX±0.051	1:1		28S + 12P RIGHT ANGLE SOLDER HEADER	
				dr	0°±2°	scale		product family	
				enr	J. SHAFFER 03-26-02	A		PwrBlade	
				chr	M. MOSTOLLER 03-26-02	A		code	
				appd	M. MOSTOLLER 03-26-02	A		213	
sheet index	revision sheet							size	
								51731-001	
								sheet	
								2 of 4	

cage code 22526

Pro/E

PDM: Rev:D

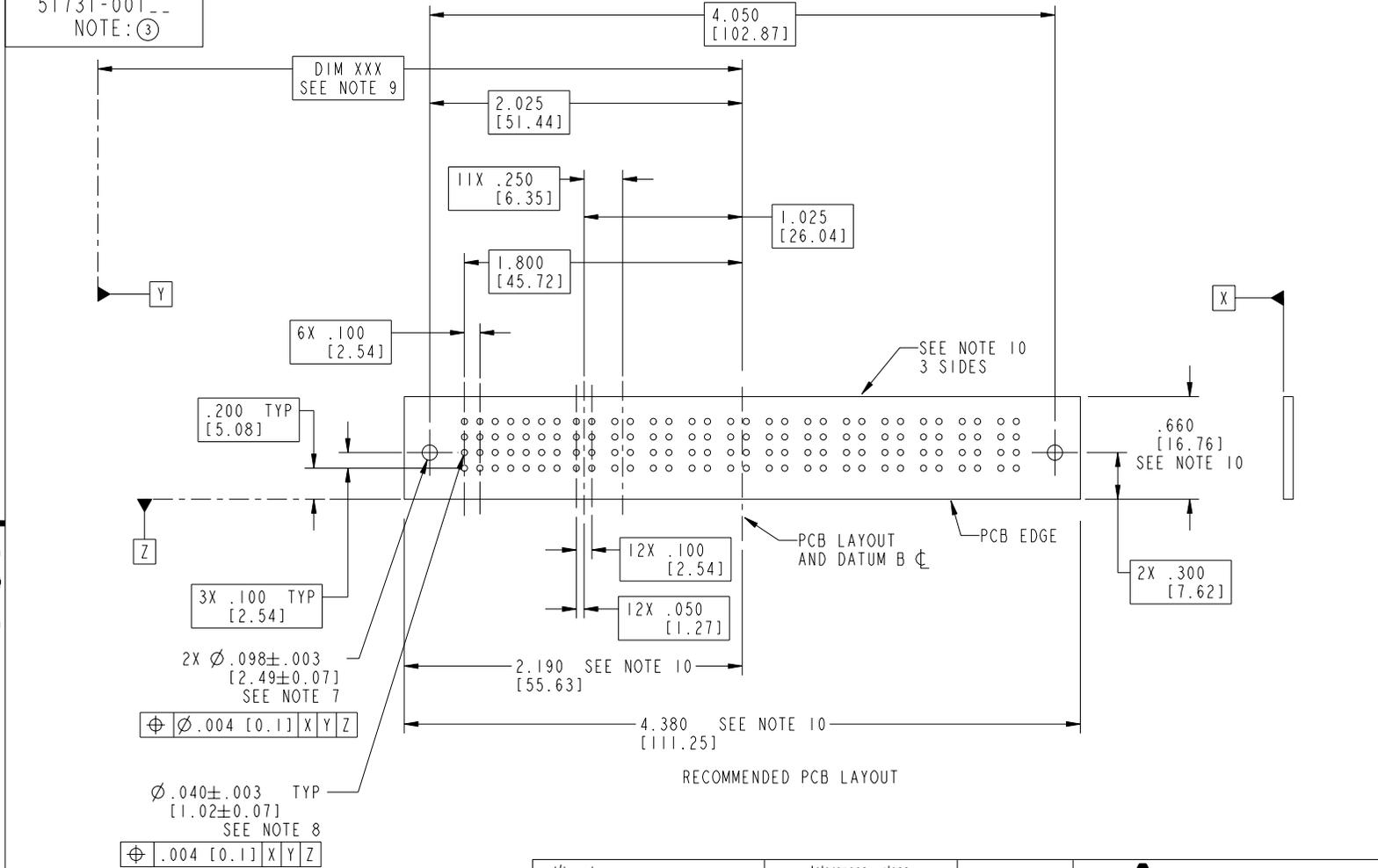
STATUS: Released

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PRODUCT NUMBER  
51731-001--  
NOTE: (3)



2X  $\varnothing .098 \pm .003$   
[2.49 ± 0.07]  
SEE NOTE 7

$\varnothing .040 \pm .003$  TYP  
[1.02 ± 0.07]  
SEE NOTE 8

$\varnothing .004$  [0.1] X|Y|Z

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.XX±0.3	COPY		projection	title
D				angles	.XXX±.005/0.XX±0.13				28S + 12P RIGHT ANGLE SOLDER HEADER
				dr	.XXXX±.0020/0.XXX±0.051				product family
				enrg	0° ± 2°	INCH/MM		A	PwrBlade
				chr	J. SHAFFER 03-26-02	scale		1:1	code
				appd	M. MOSTOLLER 03-26-02				213
					M. MOSTOLLER 03-26-02				sheet
									3 of 4
sheet index	revision sheet								

cage code 22526 4

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**A**  
**FCI**

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PRODUCT NUMBER  
51731-001\_\_  
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:

51731-001 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.

51731-001LF 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 model\_name: ILF 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.

PCB NOTES:

- 6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- 7. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.
- 8.  $\varnothing .0453 \pm 0.0010$  [1.151  $\pm$  0.025] DRILLED HOLES PLATED WITH 0.0003 [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.
- 9. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
- 10. CONNECTOR KEEP-OUT ZONE.

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		<b>A</b> <b>FCI</b>		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		projection	title 28S + 12P RIGHT ANGLE SOLDER HEADER				
D				angles	.XXX±.005/0.XX±0.13	INCH/MM			product family	PwrBlade	code	213	
				dr	.XXX±.0020/0.XX±0.051	scale			size	dwg no	51731-001	sheet	4 of 4
				enrg	0° ± 2°	1:1		A					
				chr	J. SHAFFER 03-26-02								
				appd	M. MOSTOLLER 03-26-02								
					M. MOSTOLLER 03-26-02								
sheet index	revision sheet												

cage code 22526 4

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[51731-008](#) [51731-011](#) [51731-014](#) [51731-015](#)