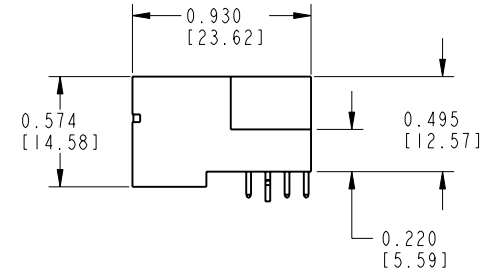
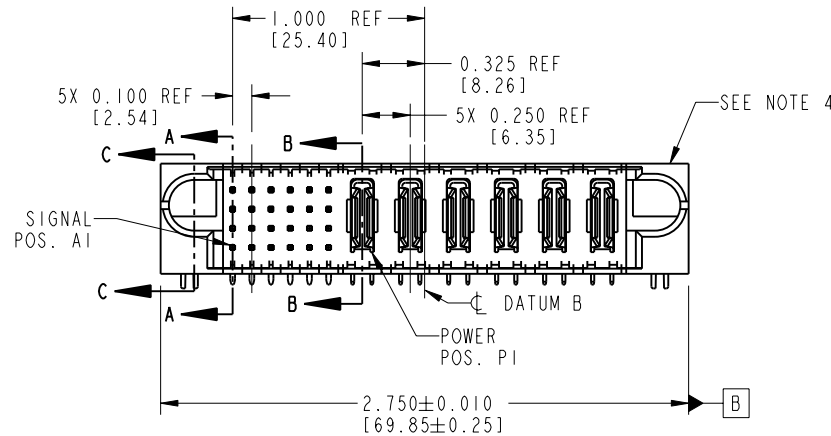
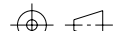


PRODUCT NO.	ROWS	SIG						POWER								
		E1	1	2	3	4	5	6	P1	P2	P3	P4	P5	P6	E2	
51731-014-- NOTE: 3	D C B A		H	H	U	U	U	U	PA	PA	PA	PA	PA	PA	PA	
			G	G	T	T	T	T								
			F	F	S	S	S	S								
			E	E	R	R	R	R								
																



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
E	0.220 [5.59]	SIGNAL
R	0.270 [6.86]	SIGNAL
S	0.270 [6.86]	SIGNAL
T	0.270 [6.86]	SIGNAL
U	0.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER
H	0.220 [5.59]	SIGNAL
G	0.220 [5.59]	SIGNAL
F	0.220 [5.59]	SIGNAL
HA	N/A [N/A]	HOLD-DOWN

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	
A	V03-0063	MEM	1/15/03		.XXX±.005/0.XX±0.13					24S + 6P	
B	DG05-0458	GuoJM	11/19/05		.XXX±.0020/0.XXX±0.051					RIGHT ANGLE SOLDER HEADER	
				angles	0°±2°		INCH/MM		product family		
		dr			M. MOSTOLLER	1/15/03	←		PwrBlade		
		enrg			M. MOSTOLLER	1/15/03	→		code		
		chr			H. BREWBAKER	1/15/03	scale		size		
		appd			M. MOSTOLLER	1/15/03	1:1		dwg no		
sheet index		revision sheet	B	B	B	B			A		
			1	2	3	4			51731-014		

cage code 22526

Pro/E

PDM: Rev:B

STATUS: Released

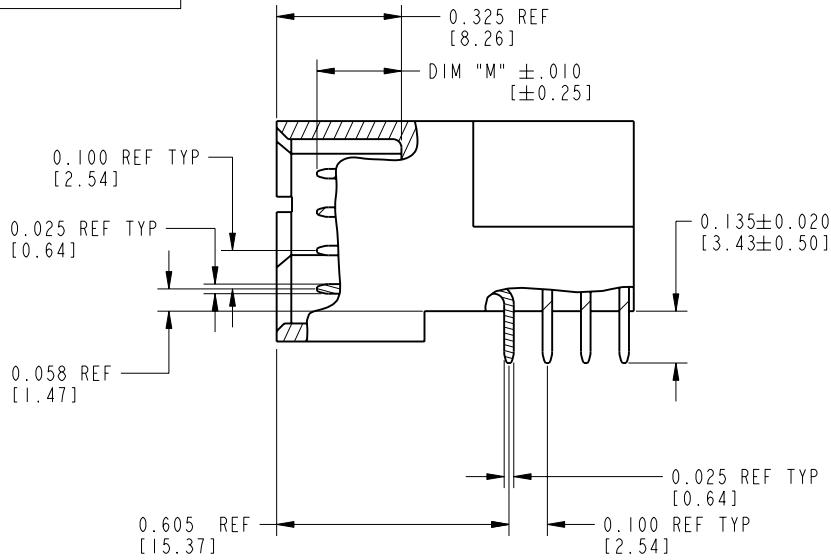
Printed: Dec 20, 2010

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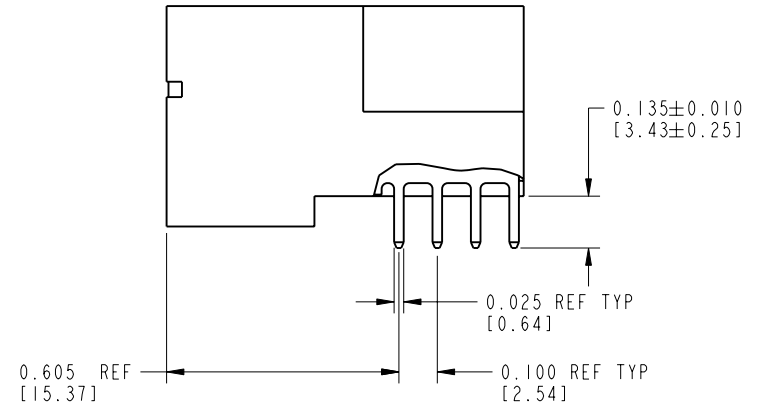
FCI

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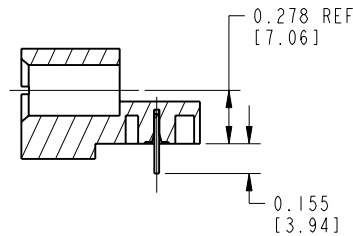
PRODUCT NUMBER
51731-014__
NOTE: 3



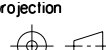
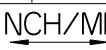
BROKEN-OUT SECTION A-A
SCALE 2:1



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	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		projection		title 24S + 6P RIGHT ANGLE SOLDER HEADER		
B					.XXX±.005/0.XX±0.13						
					.XXX±.0020/0.XXX±0.051						
				angles				scale 1:1	product family		code
			dr	M. MOSTOLLER	1/15/03	size			dwg no	PwrBlade	213
			engr	M. MOSTOLLER	1/15/03						
			chr	H. BREWBAKER	1/15/03						
				appd	M. MOSTOLLER	1/15/03			A	51731-014	sheet 2 of 4
sheet index		revision sheet									

cage code 22526

Pro/E

PDM: Rev:B

STATUS: Released

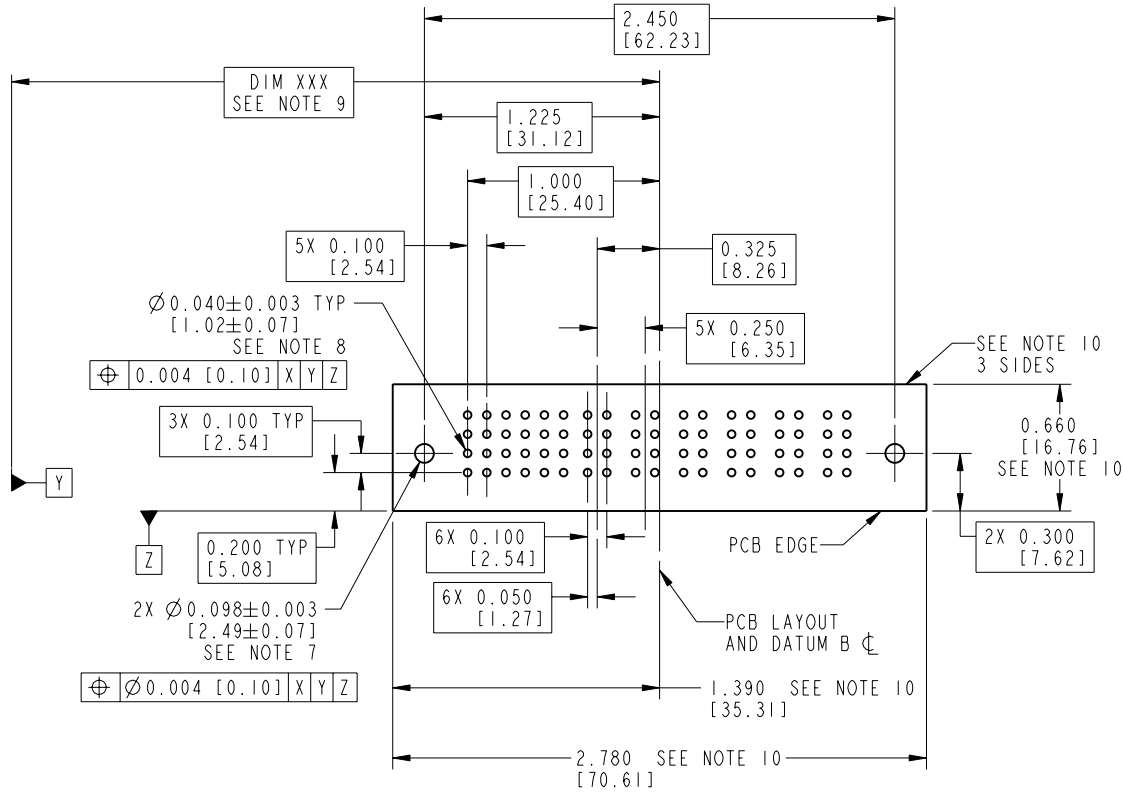
Printed: Dec 20, 2010

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PRODUCT NUMBER
51731-014__
NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code				tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com			
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY	title 24S + 6P RIGHT ANGLE SOLDER HEADER			
B					.XXX±.005/0.XX±0.13						
					.XXXX±.0020/0.XXX±0.051						
				angles	0°±2°	INCH/MM	scale 1:1	product family PwrBlade code 213 size dwg no 51731-014 sheet 3 of 4			
				dr	M. MOSTOLLER 1/15/03						
				enr	M. MOSTOLLER 1/15/03						
				chr	H. BREWBAKER 1/15/03	A	51731-014	3 of 4			
				appd	M. MOSTOLLER 1/15/03						
sheet index	revision sheet										

Pro/E

cage code 22526

PDM: Rev:B

STATUS: Released

Printed: Dec 20, 2010

PRODUCT NUMBER
51731-014__
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:

51731-014 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.

51731-014LF 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 51731-014LF 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.
PACKAGED IN TRAYS.

PCB NOTES:

6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

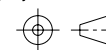
7. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

8. $\varnothing .0453 \pm .0010$ [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.

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		A FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	.XX $\pm$.01/0.X $\pm$ 0.3			projection 	title 24S + 6P RIGHT ANGLE SOLDER HEADER		
B					.XXX $\pm$.005/0.XX $\pm$ 0.13						
					.XXX $\pm$.0020/0.XXX $\pm$ 0.051						
				angles	0° $\pm$ 2°			INCH/MM ← →	product family PwrBlade size dwg no A 51731-014		
				dr	M. MOSTOLLER	1/15/03	scale 1:1				
				enrg	M. MOSTOLLER	1/15/03					
				chr	H. BREWBAKER	1/15/03					
				appd	M. MOSTOLLER	1/15/03					
sheet index		revision sheet									

cage code 22526

Pro/E