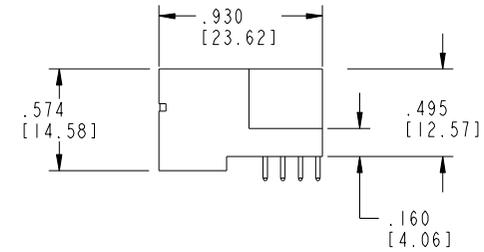
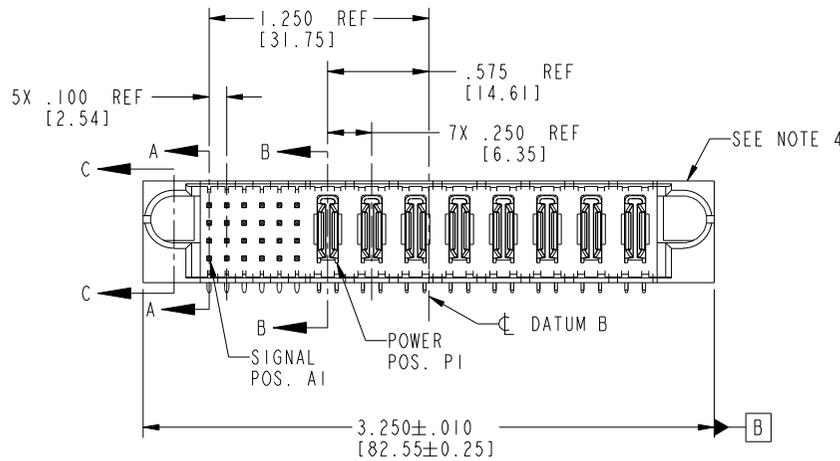


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PRODUCT NO. 51731-018... NOTE: 3	ROWS D C B A	SIGNAL				POWER								E2					
		E1	1	2	3	4	5	6	P1	P2	P3	P4	P5		P6	P7	P8		
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
			T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	
			S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
			R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
F	.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

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY		www.fciconnect.com		
A	V03-0638	TAB	06/03/03		.XXX±.005/0.XX±0.13		title		24S + 8P		
B	DG05-0531	GuoJM	12/15/05	angles	.XXX±.0020/0.XXX±0.051		RIGHT ANGLE SOLDER HEADER		product family PwrBlade code 213		
C	DG08-0253	SH	09/13/08		0°±2°		INCH/MM		size dwg no 213		
				dr	T. BRUNGARD 06/03/03	scale	1:1		A 51731-018 sheet 1 of 4		
				enrg	M. MOSTOLLER 06/03/03						
				chr	M. MOSTOLLER 06/03/03						
				appd	M. MOSTOLLER 06/03/03						
sheet index	revision sheet	C	C	C	C				cage code 22526		
		1	2	3	4						

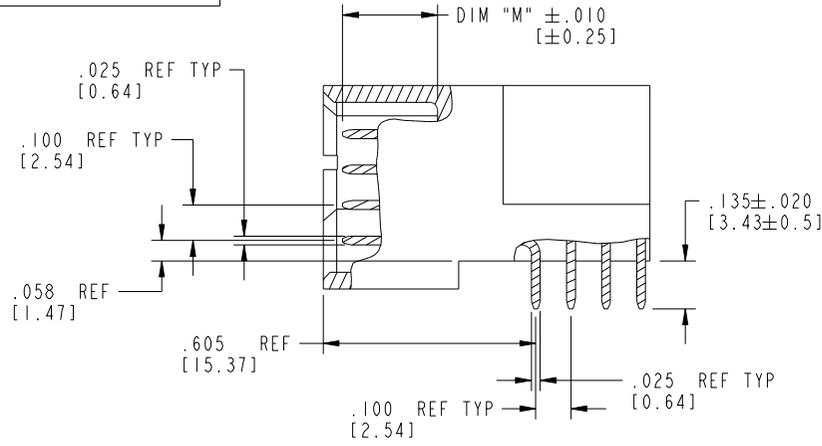
Pro/E

cage code 22526

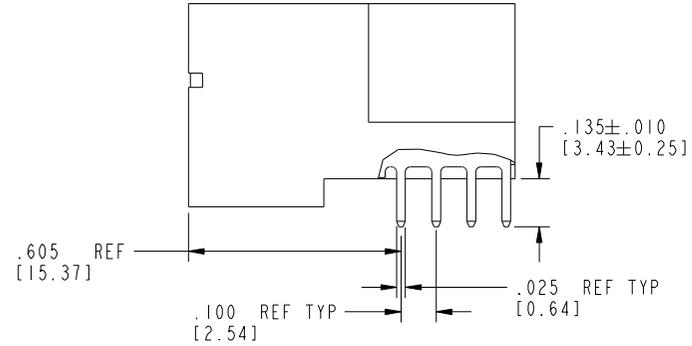
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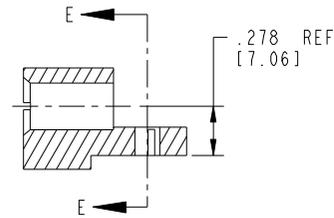
PRODUCT NUMBER  
51731-018--  
NOTE: 3



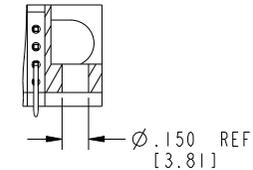
BROKEN-OUT SECTION A-A  
SCALE 2:1



BROKEN-OUT SECTION B-B  
SCALE 2:1



SECTION C-C



PARTIAL SECTION E-E

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCJ	
litr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
C				linear	.XXX±.005/0.XX±0.13	projection		title	
				linear	.XXX±.0020/0.XXX±0.051	INCH/MM		24S + 8P	
				angles	0° ± 2°	INCH/MM		RIGHT ANGLE SOLDER HEADER	
				dr	T. BRUNGARD 06/03/03	scale		product family	
				enrg	M. MOSTOLLER 06/03/03	1:1		PwrBlade	
				chr	M. MOSTOLLER 06/03/03			code	
				appd	M. MOSTOLLER 06/03/03			213	
sheet index		revision sheet						size	
								dwg no	
								A	
								51731-018	
								sheet	
								2 of 4	

cage code 22526

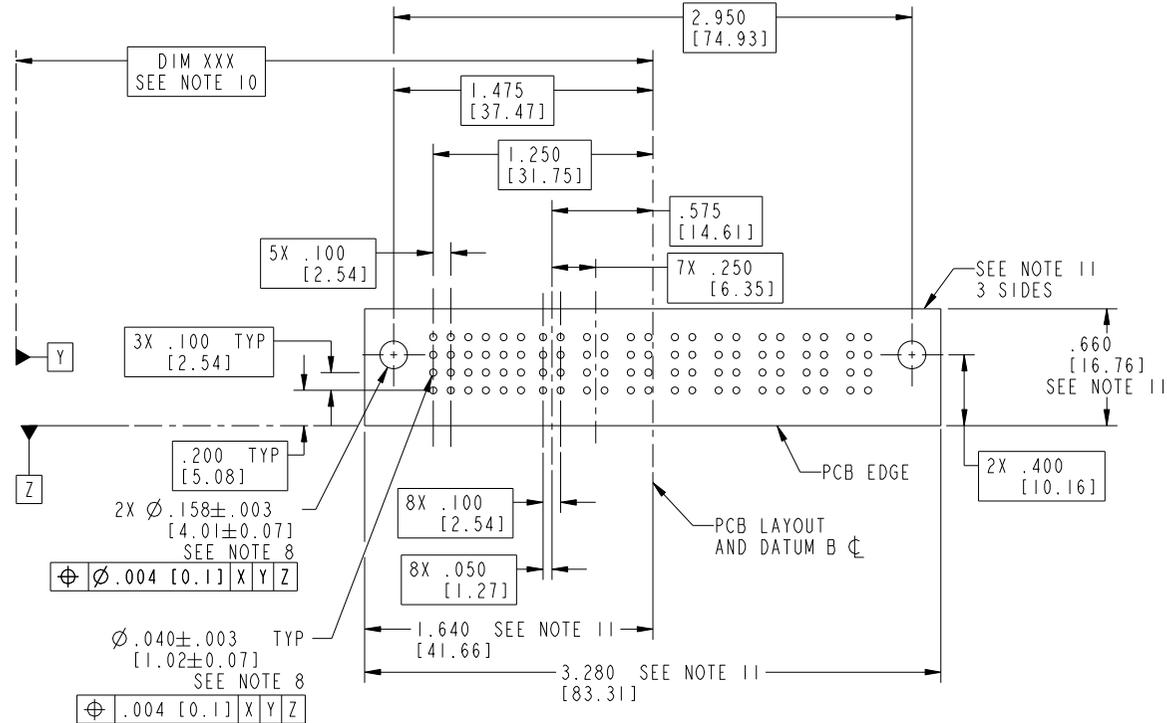
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PRODUCT NUMBER  
51731-018--  
NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY	title			
C					.XXX±.005/0.XX±0.13	INCH/MM		24S + 8P			
				angles	.XXX±.0020/0.XXX±0.051	1:1		RIGHT ANGLE SOLDER HEADER			
				dr	0°±2°			product family	PwrBlade	code	213
				engr	T. BRUNGARD 06/03/03			size	dwg no	sheet	3 of 4
				chr	M. MOSTOLLER 06/03/03			51731-018			
				appd	M. MOSTOLLER 06/03/03						
sheet index	revision sheet										

cage code 22526

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PRODUCT NUMBER  
51731-018\_\_  
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:  
SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51731-018 AND 51731-018LF RESPECTIVELY

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.

12: A  $\triangle$  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH CURRENT DRAWING VERSION.

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY					
C					.XXX±.005/0.XX±0.13	projection		title 24S + 8P			
				angles	.XXX±.0020/0.XXX±0.051			RIGHT ANGLE SOLDER HEADER			
				dr	0°±?	INCH/MM		product family PwrBlade		code 213	
				enrg	T. BRUNGARD 06/03/03	scale		size dwg no		sheet 213	
				chr	M. MOSTOLLER 06/03/03	1:1		A 51731-018		4 of 4	
				appd	M. MOSTOLLER 06/03/03						
sheet index	revision sheet										

cage code 22526