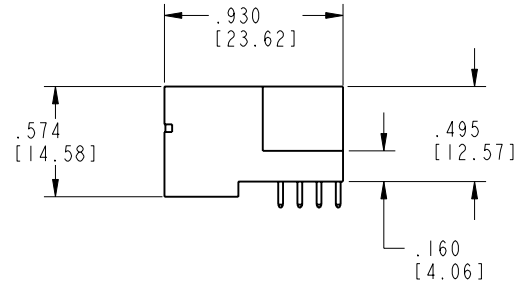
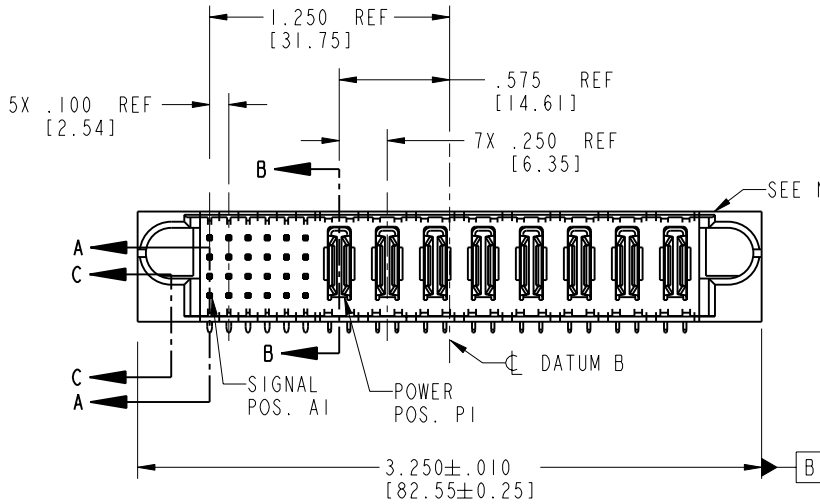
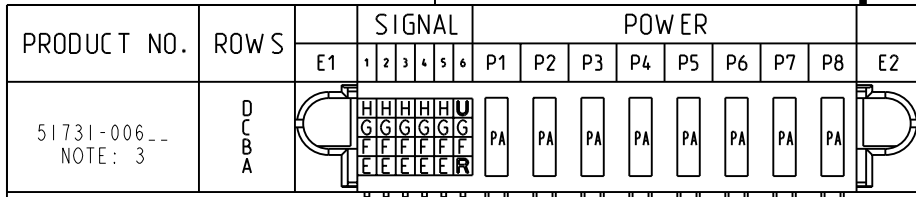


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CODE	DIM "M" MATING LENGTH	CONTACT TYPE
E	.220 [5.59]	SIGNAL
F	.220 [5.59]	SIGNAL
G	.220 [5.59]	SIGNAL
H	.220 [5.59]	SIGNAL
R	.270 [6.86]	SIGNAL
U	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		COPY		title		
A	V12109	JWS	7/24/01		.XXX±.005/0.XX±0.13		projection		24S + 8P		
B	V21294	TAB	09/10/02		.XXX±.0020/0.XXX±0.051				RIGHT ANGLE SOLDER HEADER		
C	DG05-0531	GuoJM	12/14/05	angles	0° ± 2°		INCH/MM		product family		
				dr	T. BRUNGARD	09/10/02	scale		PwrBlade		code
				engr	M. MOSTOLLER	09/10/02	1:1		size		213
				chr	M. MOSTOLLER	09/10/02			dwg no		sheet
				appd	M. MOSTOLLER	09/10/02			A 51731-006		1 of 4
sheet index		revision sheet		C	C	C	C				
		1 2		3	4						

1 | 2

Pro/E

3 |

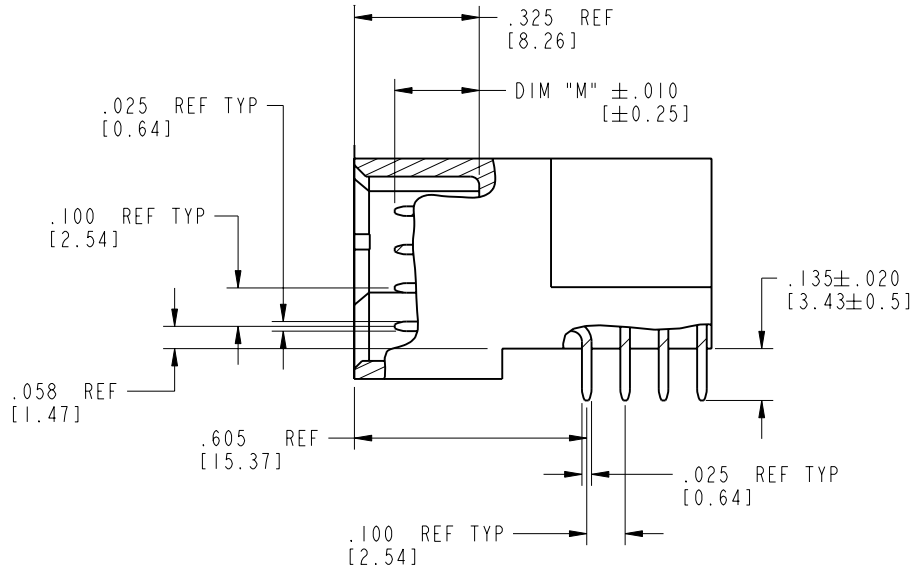
cage code 22526

4

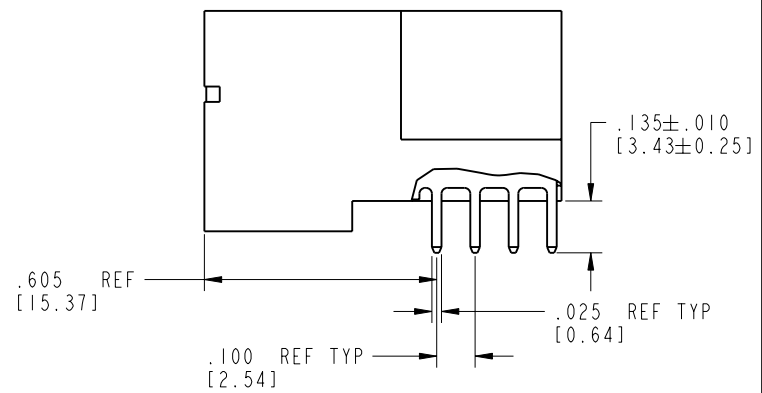
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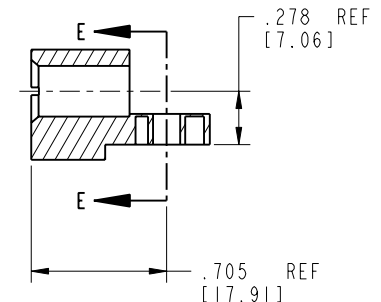
PRODUCT NUMBER  
51731-006 --  
NOTE: 3



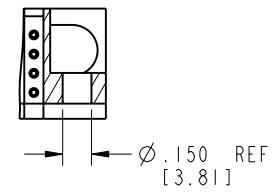
BROKEN-OUT SECTION A-A  
SCALE 2:1



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	<b>FCI</b> www.fciconnect.com	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY	title	24S + 8P
C				linear	.XXX±.005/0.XX±0.13	projection	RIGHT ANGLE SOLDER HEADER	
				angles	.XXX±.0020/0.XXX±0.051		product family	PwrBlade
				dr	T. BRUNGARD 09/10/02	INCH/MM	size	dwg no
				enrg	M. MOSTOLLER 09/10/02		A	51731-006
				chr	M. MOSTOLLER 09/10/02		scale	2 of 4
				appd	M. MOSTOLLER 09/10/02		1:1	sheet
sheet index	revision sheet							

cage code 22526

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**FCI**

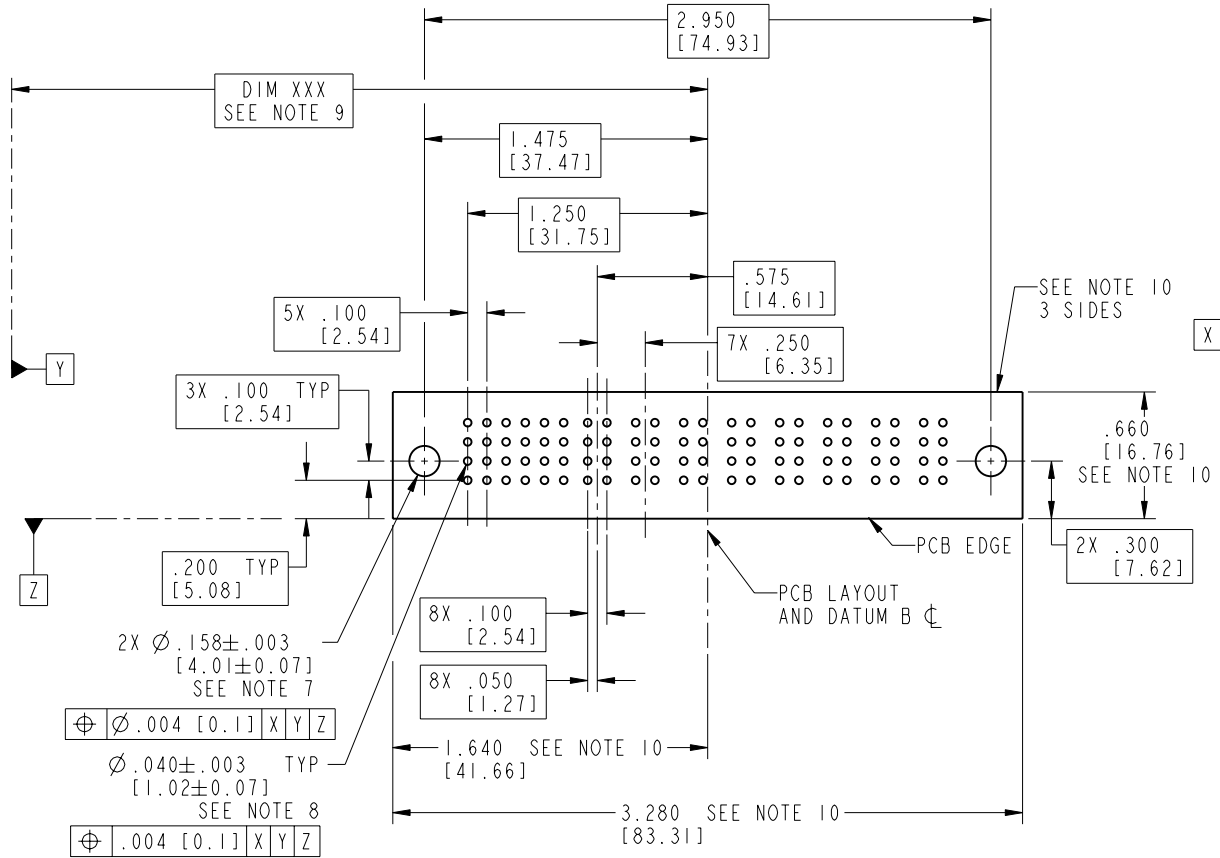
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PRODUCT NUMBER  
51731-006--  
NOTE: 3

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4



RECOMMENDED PCB LAYOUT

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	COPY		title		
C				angles	.XXX±.005/0.XX±0.13				24S + 8P		
				dr	.XXX±.0020/0.XXX±0.051	INCH/MM			RIGHT ANGLE SOLDER HEADER		
				enrg	0° ± 2°	scale	1:1		product family		code
				chr	T. BRUNGARD 09/10/02				PwrBlade		213
				appd	M. MOSTOLLER 09/10/02				size		sheet
					M. MOSTOLLER 09/10/02				A 51731-006		3 of 4
sheet index	revision sheet										

1 | 2

Pro/E

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cage code 22526

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PDM: Rev:C

STATUS: Released

Printed: Oct 08, 2006

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A

B

**PRODUCT NUMBER**

51731-006 --  
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:  
51731-006 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.

51731-006LF 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 51731-006LF 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.  $\varnothing .0453 \pm .0010$  [1.151 ± 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 ± .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	
lfr	ecn no.	dr	date	linear	.XX ± .01/0.X ± 0.3	COPY		title 24S + 8P	
c				projection	.XXX ± .005/0.XX ± 0.13	RIGHT ANGLE SOLDER HEADER		product family PwrBlade code 213	
				angles	.XXX ± .0020/0.XXX ± 0.051	INCH/MM		size dwg no	
				dr	T. BRUNGARD 09/10/02	scale 1:1		A 51731-006	
				enrg	M. MOSTOLLER 09/10/02			sheet 4 of 4	
				chr	M. MOSTOLLER 09/10/02				
				appd	M. MOSTOLLER 09/10/02				
sheet index	revision sheet								

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**PDM: Rev:C**

STATUS: **Released**

Printed: Oct 08, 2006

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