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[51731-006LF](#)

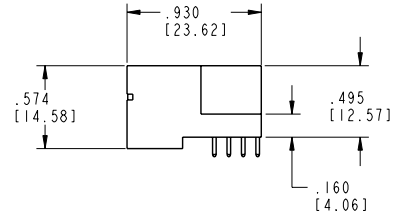
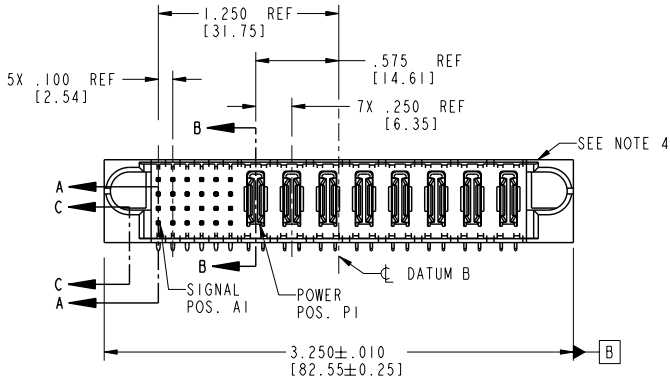
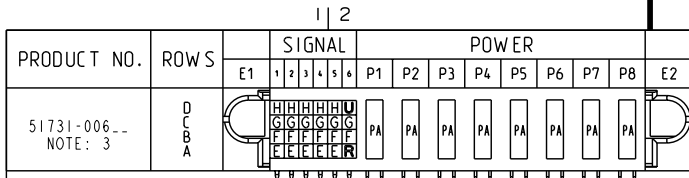
For any questions, you can email us directly:

sales@integrated-circuit.com

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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	
lir	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY	www.fciconnect.com	
A	V12109	JWS	7/24/01	linear	.XXX±.005/0.XX±0.13	INCH/MM	title	24S + 8P	
B	V21294	TAB	09/10/02	angles	.XXX±.002/0.XX±0.051	scale	RIGHT ANGLE SOLDER HEADER	product family	PwrBlade
C	D605-0531	GvoJM	12/14/05	dr	T. BRUNGARD 09/10/02	size	A	code	213
				engr	M. MOSTOLLER 09/10/02	dwg no	51731-006	sheet	1 of 4
				chr	M. MOSTOLLER 09/10/02				
				appd	M. MOSTOLLER 09/10/02				
sheet index	revision sheet	C C	C C	C C					
		1 2	3 4						

Pro/E

cage code 22526

PDM: Rev:C

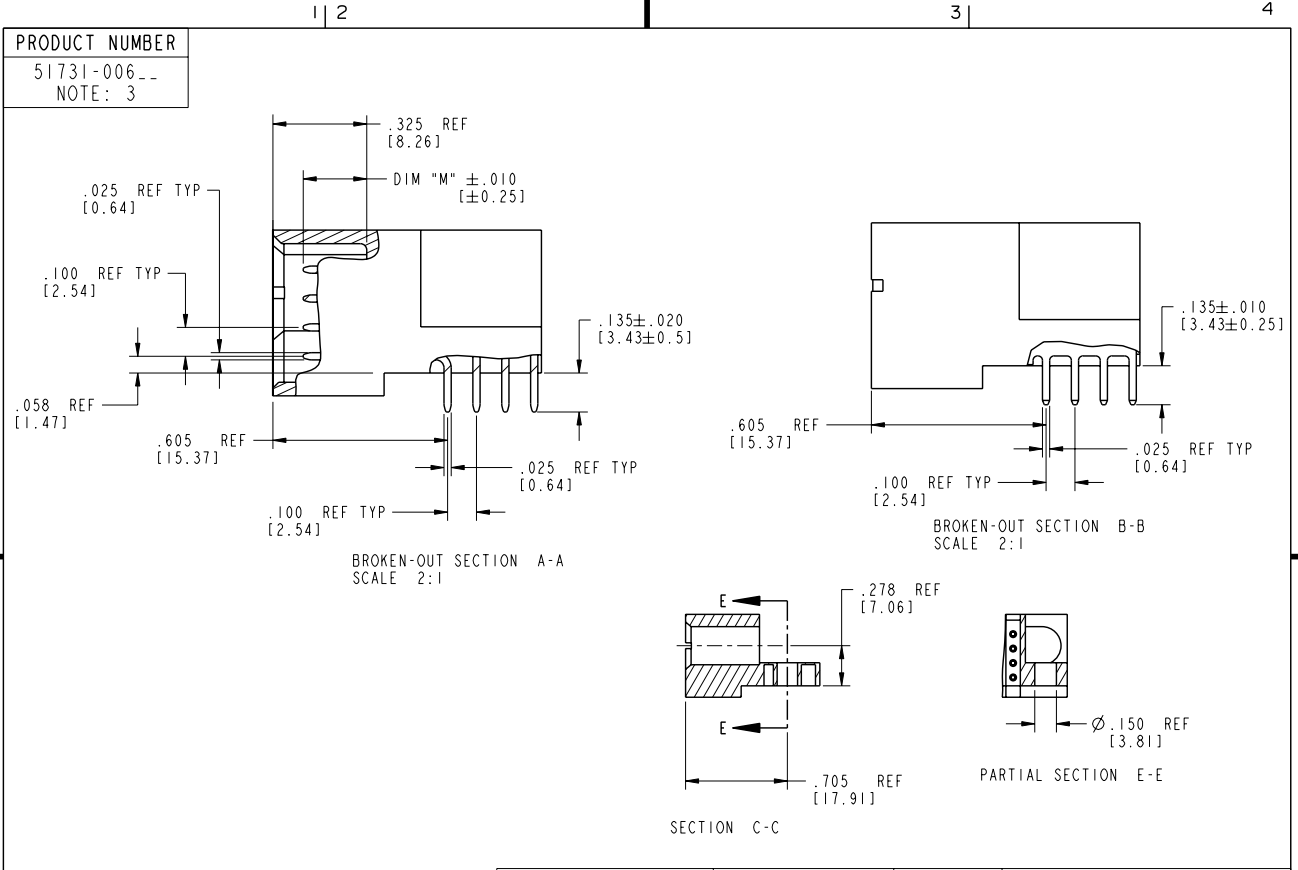
STATUS **Released**

Printed: Oct 08, 2006

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mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com		
lfr	ecn no.	dr	date	linear	XX±.01/0.X±0.3	projection	COPY	title 24S + 8P				
C				linear	.XXX±.005/0.XX±0.13		INCH/MM	RIGHT ANGLE SOLDER HEADER				
				angles	XXXX±.0020/0.XX±0.051			product family	PwrBlade		code	213
				dr	T. BRUNGARD 09/10/02	scale	1:1	product size	A		sheet	2 of 4
				eng	M. MOSTOLLER 09/10/02			dwg no	51731-006			
				chr	M. MOSTOLLER 09/10/02							
				appd	M. MOSTOLLER 09/10/02							
sheet index	revision sheet											

Pro/E

cage code 22526

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STATUS **Released**

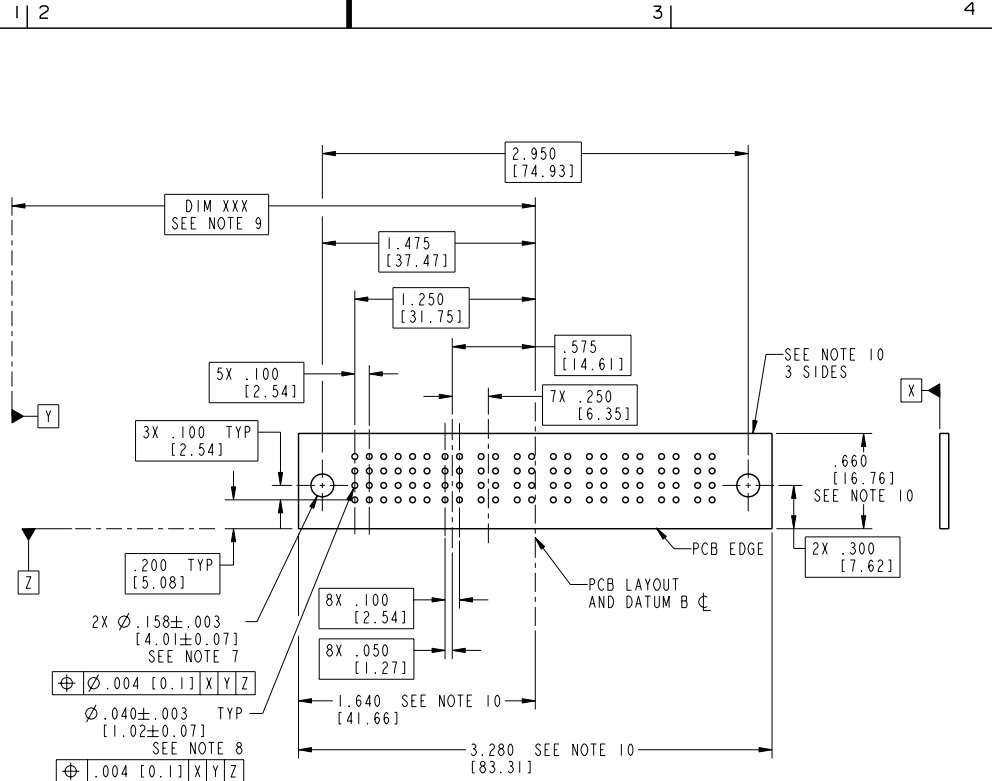
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
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PRODUCT NUMBER
51731-006--
NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lir	ecn no.	dr	date	linear	$XY \pm .01/0, X \pm 0.3$ $.XXX \pm .005/0, XX \pm 0.13$ $XXXX \pm .002/0, XXX \pm 0.051$	projection	COPY	title	24S + 8P
c				angles	$0^\circ \pm 2^\circ$			RIGHT ANGLE SOLDER HEADER	
		dr	T. BRUNGARD	09/10/02		INCH/MM		product family	PwrBlade
		eng	M. MOSTOLLER	09/10/02		scale	1:1	size	213
		chr	M. MOSTOLLER	09/10/02				dwg no	51731-006
		appd	M. MOSTOLLER	09/10/02				code	213
sheet index	revision sheet							3 of 4	

Pro/E

cage code 22526

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51731-006LF NOTE: 3																																																																																																																					
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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	Signal 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	Signal 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.																																																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4">mat'l code</td> <td colspan="2">SEE NOTE 2</td> <td colspan="2">tolerances unless otherwise specified</td> <td colspan="2">CUSTOMER</td> <td colspan="2" style="text-align: center;">FCI www.fciconnect.com</td> </tr> <tr> <td>lfr</td> <td>ecn no.</td> <td>dr</td> <td>date</td> <td>linear</td> <td>.XX±.01/0.X±0.3</td> <td>projection</td> <td colspan="2">COPY</td> <td colspan="3">title 24S + 8P</td> </tr> <tr> <td>c</td> <td></td> <td></td> <td></td> <td>linear</td> <td>.XXX±.005/0.XX±0.13</td> <td rowspan="2"> </td> <td colspan="2">RIGHT ANGLE SOLDER HEADER</td> <td colspan="3">product family PwrBlade</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>angles</td> <td>.XXX±.002/0.XX±0.051</td> <td colspan="2">INCH/MM</td> <td colspan="3">code 213</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>dr</td> <td>T. BRUNGARD 09/10/02</td> <td colspan="2">scale 1:1</td> <td colspan="2">A</td> <td colspan="2">sheet 4 of 4</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>eng</td> <td>M. MOSTOLLER 09/10/02</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>chr</td> <td>M. MOSTOLLER 09/10/02</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>appd</td> <td>M. MOSTOLLER 09/10/02</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td>sheet index</td> <td colspan="2">revision sheet</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> </table>		mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com		lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY		title 24S + 8P			c				linear	.XXX±.005/0.XX±0.13		RIGHT ANGLE SOLDER HEADER		product family PwrBlade							angles	.XXX±.002/0.XX±0.051	INCH/MM		code 213							dr	T. BRUNGARD 09/10/02	scale 1:1		A		sheet 4 of 4						eng	M. MOSTOLLER 09/10/02											chr	M. MOSTOLLER 09/10/02											appd	M. MOSTOLLER 09/10/02							sheet index	revision sheet												<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Pro/E</td> <td style="text-align: center;">3 </td> <td style="text-align: right;">4</td> </tr> <tr> <td colspan="2" style="text-align: center;">cage code 22526</td> <td></td> </tr> </table>		Pro/E	3	4	cage code 22526		
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