

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)  
[51750-053](#)

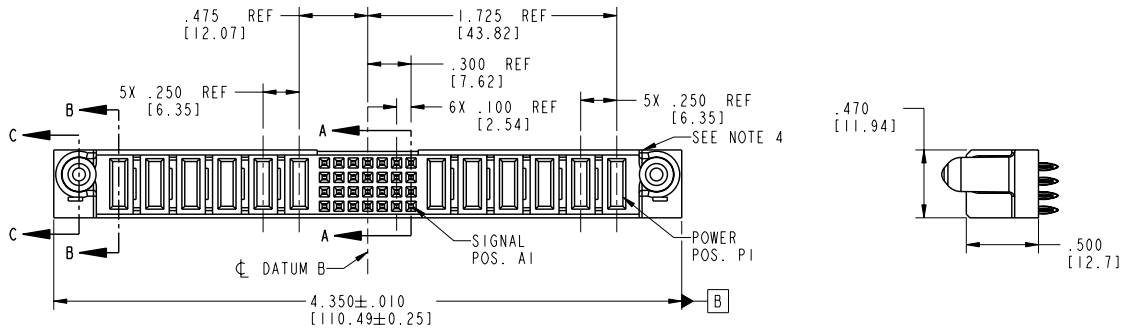
For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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PRODUCT NO.	ROWS	POWER						SIGNAL						POWER								
		E2	P12	P11	P10	P9	P8	P7	7	6	5	4	3	2	1	P6	P5	P4	P3	P2	P1	E1
51750-053... NOTE: 3	D C B A		PF	PF	PF	PF	PF	PF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	



CODE	DIM "M" MATING LENGTH		CONTACT TYPE
F	N/A	[N/A]	SIGNAL
PC	.042	[1.07]	POWER
PF	.092	[2.34]	POWER

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com	
lir	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		title 6P + 28S + 6P			
A	V03-1343	TAB	12/17/03		.XXX±.005/0.XX±0.13	projection		VERTICAL PRESS-FIT RECEPT			
B	V04-0024	TAB	01/12/04		.XXX±.0020/0.XX±0.051	INCH/MM		product family PwrBlade		code 213	
C	DG05-0504	6uoJM	11/29/05	angles	0°±2°	scale 1:1		size dwg no A 51750-053		sheet 1 of 4	
sheet index		revision sheet		C C C C							

Pro/E

cage code 22526

**PDM: Rev:C**

**STATUS: Released**

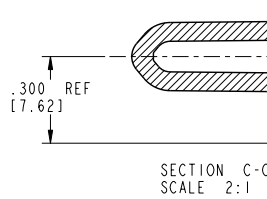
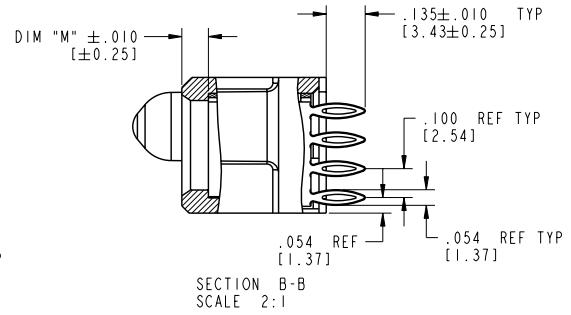
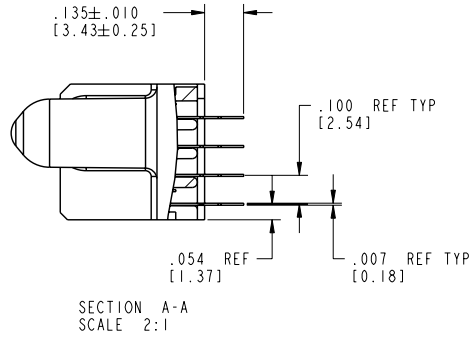
Printed: Dec 20, 2010

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PRODUCT NUMBER  
51750-053--  
NOTE: 3



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, Y±0.3	projection	COPY	title	6P + 28S + 6P		
C				linear	.XXX±.005/0, YY±0.13	projection		title	VERTICAL PRESS-FIT RECEPT		
				angles	.XXX±.0020/0, YY±0.051	projection		product family	PwrBlade		code
				dr	T. BRUNGARD 12/17/03	projection	INCH/MM	product family	PwrBlade		code
				engr	M. GRAY 12/17/03	projection		size	A		sheet
				chr	M. GRAY 12/17/03	projection		dwg no	51750-053		sheet
				appd	M. GRAY 12/17/03	projection		scale	1:1		2 of 4
sheet index	revision sheet										

Pro/E

cage code 22526

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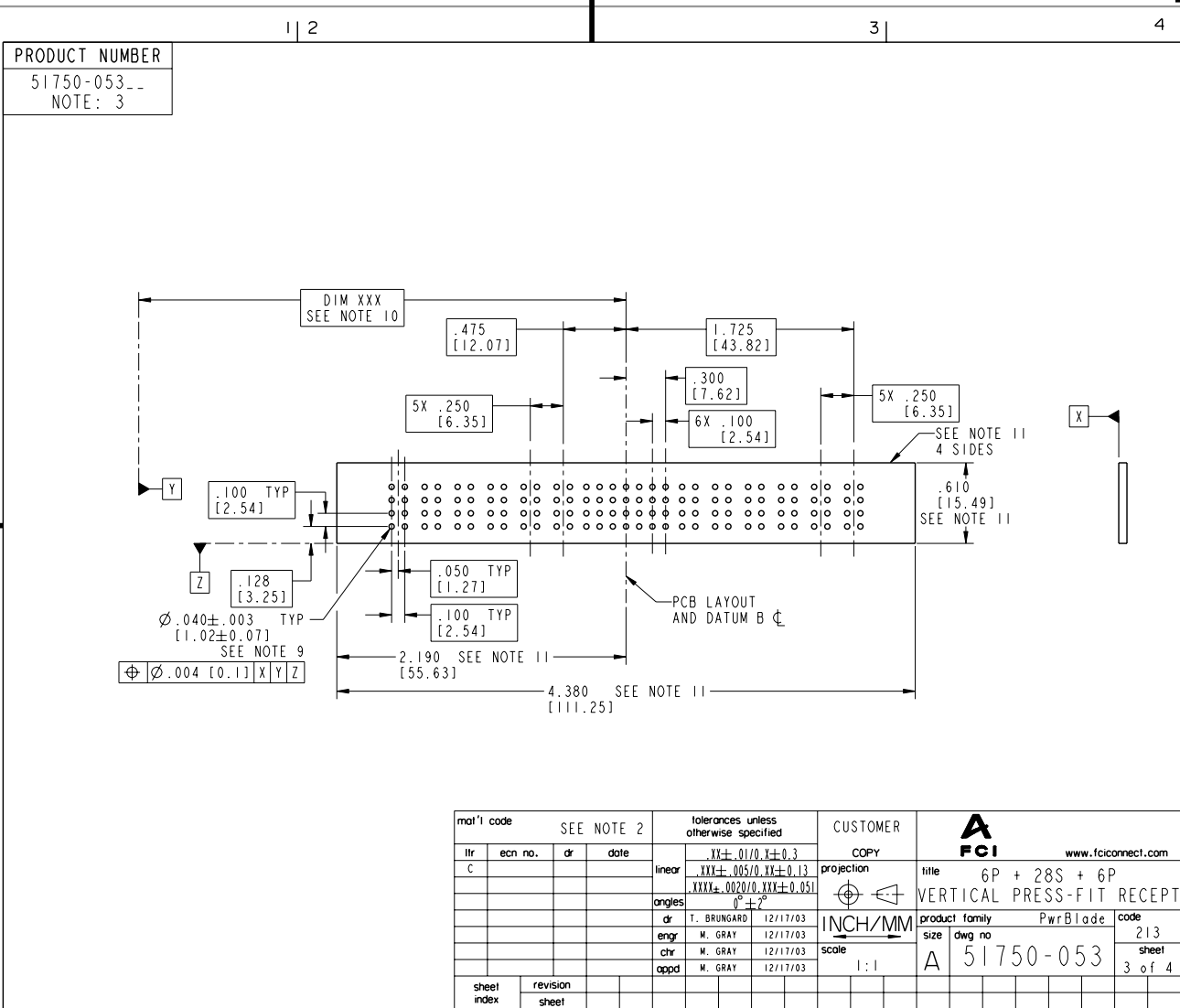
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1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.																																																																																																				
CONNECTOR NOTES:																																																																																																				
② HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH-TEMP THERMOPLASTIC POWER CONTACT MATERIAL: COPPER ALLOY SIGNAL PIN MATERIAL: COPPER ALLOY																																																																																																				
3. PLATING:																																																																																																				
51750-053	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.																																																																																																		
51750-053LF	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.																																																																																																		
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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.																																																																																																				
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 ± 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.																																																																																																				
⑩ "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.																																																																																																				
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4">mat'l code</th> <th colspan="2">tolerances unless otherwise specified</th> <th colspan="2">CUSTOMER</th> </tr> <tr> <td>lfr</td> <td>ecn no.</td> <td>dr</td> <td>date</td> <td>linear</td> <td>angular</td> <td>COPY</td> <td>www.fciconnect.com</td> </tr> <tr> <td>C</td> <td></td> <td></td> <td></td> <td><math>.XX \pm .01 / 0.X \pm 0.3</math></td> <td><math>.XXX \pm .005 / 0.XX \pm 0.13</math></td> <td>projection</td> <td>title</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td><math>.XXXX \pm .0020 / 0.XX \pm 0.051</math></td> <td><math>0^\circ \pm 2^\circ</math></td> <td></td> <td>6P + 28S + 6P</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>dr</td> <td>T. BRUNGARD</td> <td>12/17/03</td> <td>VERTICAL PRESS-FIT RECEPT</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>engr</td> <td>M. GRAY</td> <td>12/17/03</td> <td>product family</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>chr</td> <td>M. GRAY</td> <td>12/17/03</td> <td>PwrBlade</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>appd</td> <td>M. GRAY</td> <td>12/17/03</td> <td>code</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>213</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>sheet</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4 of 4</td> </tr> </table>		mat'l code				tolerances unless otherwise specified		CUSTOMER		lfr	ecn no.	dr	date	linear	angular	COPY	www.fciconnect.com	C				$.XX \pm .01 / 0.X \pm 0.3$	$.XXX \pm .005 / 0.XX \pm 0.13$	projection	title					$.XXXX \pm .0020 / 0.XX \pm 0.051$	$0^\circ \pm 2^\circ$		6P + 28S + 6P					dr	T. BRUNGARD	12/17/03	VERTICAL PRESS-FIT RECEPT					engr	M. GRAY	12/17/03	product family					chr	M. GRAY	12/17/03	PwrBlade					appd	M. GRAY	12/17/03	code								213								sheet								4 of 4	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>sheet index</td> <td>revision sheet</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	sheet index	revision sheet								
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