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PRODUCT NO.	ROWS	POWER					S.		POWER				E2
		E1	P1	P2	P3	P4	1	2	P5	P6	P7	P8	
51720-10400804AA	D C B A		PA	PA	PA	PA	UU TT SS RR		PA	PA	PA	PA	

Top view dimensions:

- .975 REF [24.77]
- 3X .250 REF [6.35]
- .050 REF [1.27]
- .225 REF [5.72]
- 1X .100 REF [2.54]
- 3X .250 REF [6.35]
- SEE NOTE 4
- 2.850±.010 [72.39±0.25]
- DATUM B
- SIGNAL POS. A1
- POWER POS. P1

Side view dimensions:

- .930 [23.62]
- .574 [14.58]
- .495 [12.57]
- .220 [5.59]

CODE	DIM "M" MATING LENGTH	CONTACT TYPE
U	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
R	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER
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.XX±0.3	projection	INCH/MM	scale	1:1	COPY		title		4P + 8S + 4P	
A	V03-0859	MEM	8/4/03		.XXX±.005/0.XX±0.13							RIGHT ANGLE SOLDER HEADER			
				angles	.XXX±.0020/0.XXX±0.051							product family		PwrBlade	
				dr	M. MOSTOLLER 8/4/03							size		dwg no	
				enr	M. MOSTOLLER 8/4/03							A		51720-10400804AA	
				chr	H. BREWBAKER 8/4/03							sheet		1 of 4	
				appd	M. MOSTOLLER 8/4/03							cage code		22526	
sheet index	revision sheet	A	A	A	A										
		1	2	3	4										

Pro/E

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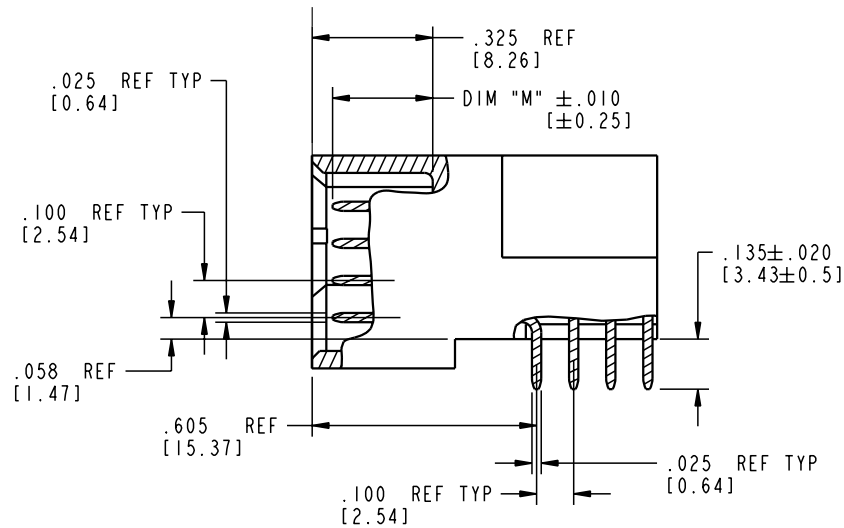
**A**  
**FCI**

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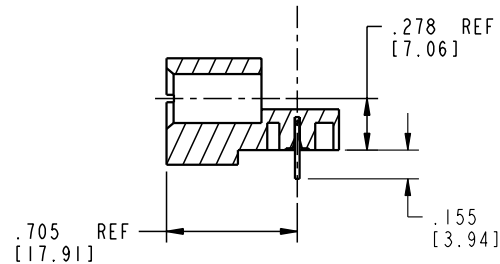
**A**

**B**

PRODUCT NUMBER  
**51720-10400804AA**



BROKEN-OUT SECTION A-A  
SCALE 2:1



SECTION C-C

BROKEN-OUT SECTION B-B  
SCALE 2:1

**A**

**B**

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		A FCI		www.fciconnect.com	
lfr	ecr no.	dr	date	linear	XX±.01/0.X±0.3	projection	COPY	title		4P + 8S + 4P			
A				angles	.XXX±.005/0.XX±0.13	INCH/MM		RIGHT ANGLE SOLDER HEADER		product family		PwrBlade	
				dr	.XXX±.0020/0.XXX±0.051	scale		size		dwg no		213	
				enr	0°±2°	1:1		A		51720-10400804AA		sheet	
				chr	M. MOSTOLLER 8/4/03							2 of 4	
				appd	M. BREWBAKER 8/4/03								
					M. MOSTOLLER 8/4/03								
sheet index		revision sheet											

Pro/E

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cage code  
**22526**

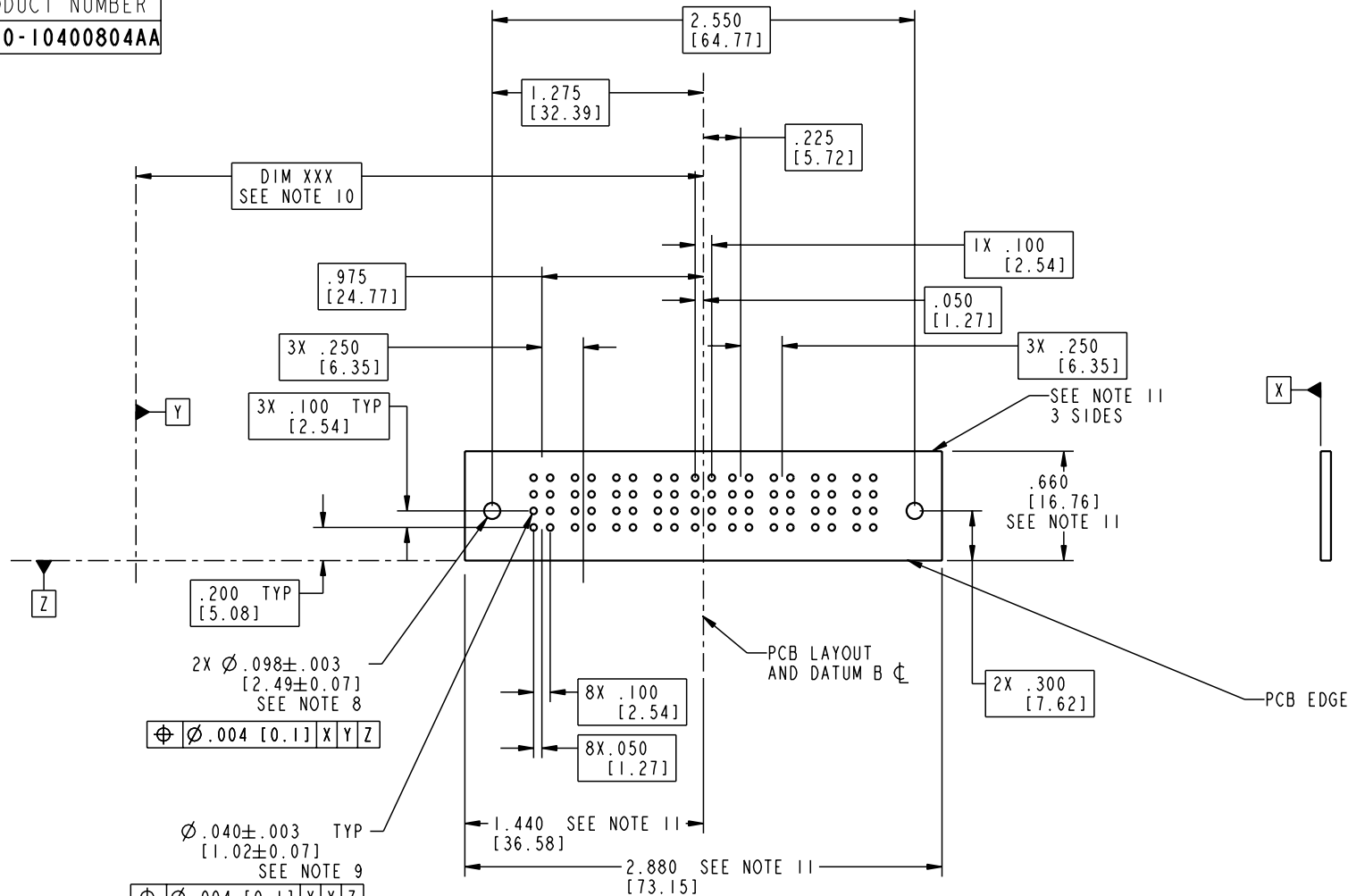
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PRODUCT NUMBER  
51720-10400804AA



RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		A FCI	
lfr	ecr no.	dr	date			linear	$.XX \pm .01 / 0.X \pm 0.3$	COPY		www.fciconnect.com	
A						angles	$.XXX \pm .005 / 0.XX \pm 0.13$	projection		title	4P + 8S + 4P
							$.XXX \pm .0020 / 0.XXX \pm 0.051$			RIGHT ANGLE SOLDER HEADER	
						dr	M. MOSTOLLER 8/4/03	INCH/MM		product family	PwrBlade
						enr	M. MOSTOLLER 8/4/03	scale		size	dwg no
						chr	H. BREWBAKER 8/4/03	1:1		A	51720-10400804AA
						appd	M. MOSTOLLER 8/4/03			code	213
sheet index	revision sheet									sheet	3 of 4

Pro/E

cage code 22526

PDM: Rev:A

STATUS: Released

Printed: Dec 20, 2010

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**A**

**B**

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3 |

4

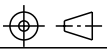
PRODUCT NUMBER  
**51720-10400804AA**

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:  
SIGNAL PINS: 30u"/0.76um Au OVER 50u"/1.27um Ni  
POWER CONTACTS: 50u"/1.27um Ni UNDER ALL  
WITH 30u"/0.76um Au ON CONTACT AREA  
AND SnPb ON PCB INTERFACE
- (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.

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				<div><div>A</div><div>FCI</div><div>www.fciconnect.com</div></div>			
lfr		ecn no.		dr		date		linear		$.XX \pm .01 / 0.X \pm 0.3$		projection		title					
A										$.XXX \pm .005 / 0.XX \pm 0.13$				4P + 8S + 4P					
								angles		$.XXX \pm .0020 / 0.XXX \pm 0.051$				RIGHT ANGLE SOLDER HEADER					
										$0^\circ \pm 2^\circ$									
				dr		M. MOSTOLLER		8/4/03				INCH/MM		product family		PwrBlade		code	
				engr		M. MOSTOLLER		8/4/03						size		dwg no		213	
				chr		H. BREWBAKER		8/4/03				scale		A		51720-10400804AA		sheet	
				appd		M. MOSTOLLER		8/4/03				1 : 1						4 of 4	
sheet index		revision sheet																	

**A**

**B**

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Pro/E

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