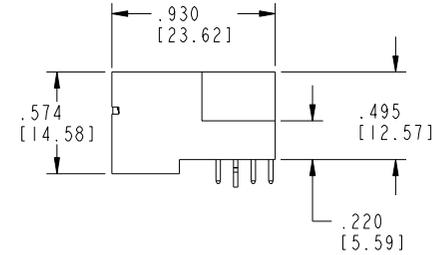
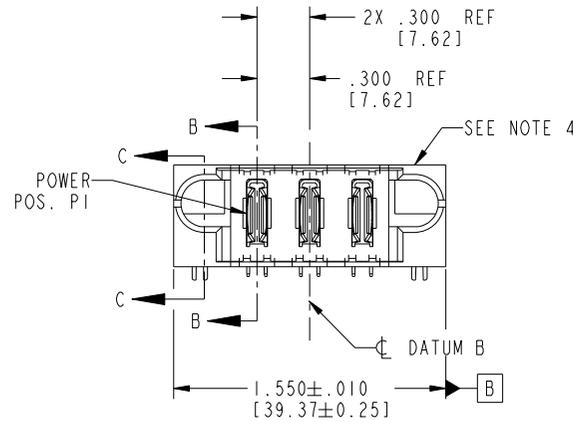


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PRODUCT NO.	POWER				
	E1	P1	P2	P3	E2
51939-081					



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PA	N/A [N/A]	POWER
HA	N/A [N/A]	HOLD-DOWN

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	V03-1078	TAB	09/30/03		.XXX±.005/0.XX±0.13	projection		3P	
B	DG05-0056	LH	03/29/05		.XXX±.0020/0.XXX±0.051			RIGHT ANGLE SOLDER HEADER	
C	DG09-0003	WD	01/04/09	angles	0°±2°			product family	
				dr	T. BRUNGARD 09/30/03	INCH/MM		PwrBlade	
				enr	M. GRAY 09/30/03	scale		code	
				chr	M. GRAY 09/30/03	1:1		213	
				appd	M. GRAY 09/30/03	A		size	
sheet index		revision sheet		C C C C		51939-081		dwg no	
		1 2 3 4				A		213	
								sheet	
								1 of 4	

cage code 22526

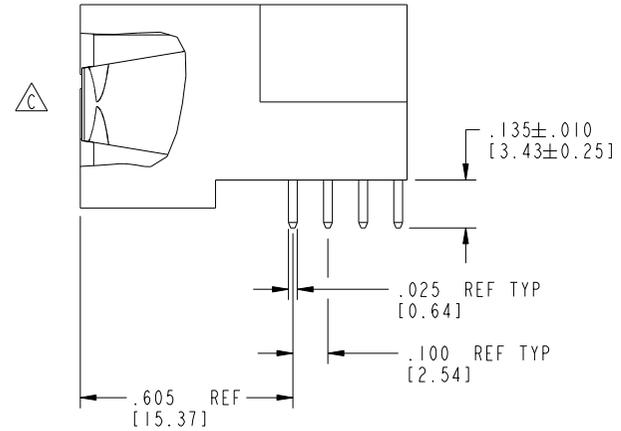
Pro/E

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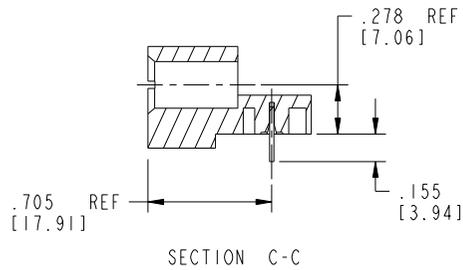


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PRODUCT NUMBER
51939-081



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C

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	
C					.XXX±.005/0.XX±0.13	projection		3P	
				angles	.XXX±.0020/0.XXX±0.051			RIGHT ANGLE SOLDER HEADER	
				dr	0°+2°	INCH/MM		product family	
				enr	T. BRUNGARD 09/30/03	scale		PwrBlade	
				chr	M. GRAY 09/30/03	1:1		code	
				appd	M. GRAY 09/30/03	A		213	
sheet index	revision sheet							size	
								dwg no	
								51939-081	
								sheet	
								2 of 4	

cage code 22526

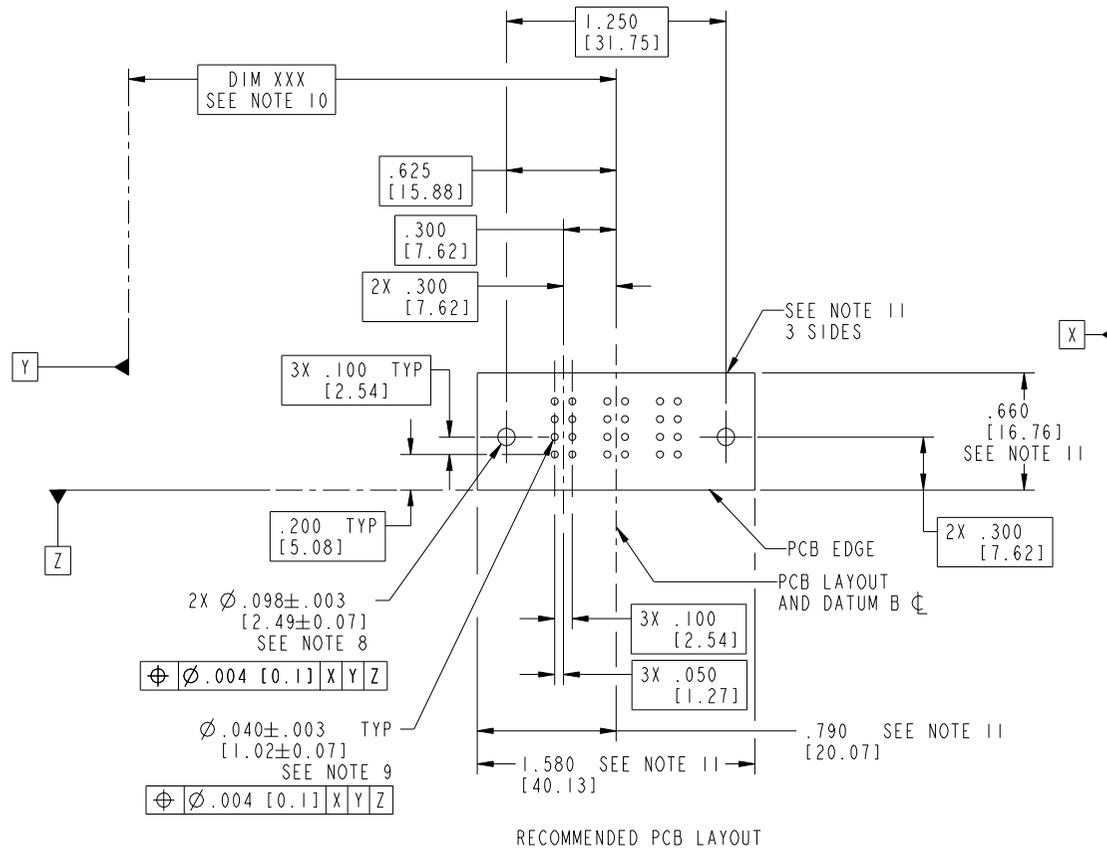
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PRODUCT NUMBER
51939-081



RECOMMENDED PCB LAYOUT

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	COPY		projection		title	
C					.XXX±.005/0.XX±0.13	INCH/MM		RIGHT ANGLE		3P	
				angles	.XXX±.002/0.XXX±0.051	1:1		product family		PwrBlade	
		dr	T. BRUNGARD	09/30/03	0°+2°	scale		size		code	
		enr	M. GRAY	09/30/03		A		dwg no		213	
		chr	M. GRAY	09/30/03		A		51939-081		sheet	
		appd	M. GRAY	09/30/03		A		3 of 4			
sheet index	revision sheet										

cage code 22526

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PRODUCT NUMBER
51939-081

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. SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-081 AND 51939-081LF 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 THE CURRENT DRAWING REVISION.

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		projection		title	
C					.XXX±.005/0.XX±0.13			RIGHT ANGLE		3P	
				angles	.XXX±.002/0.XXX±0.051			INCH/MM		product family	
				dr	0°±2°			scale		PwrBlade	
				enr	T. BRUNGARD 09/30/03			1:1		code	
				chr	M. GRAY 09/30/03			A		213	
				appd	M. GRAY 09/30/03			51939-081		sheet	
sheet index	revision sheet							4 of 4		B	

1 | 2

3 |

4

1 | 2

Pro/E

3 |

cage code 22526

4