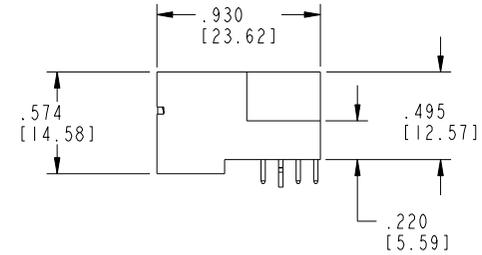
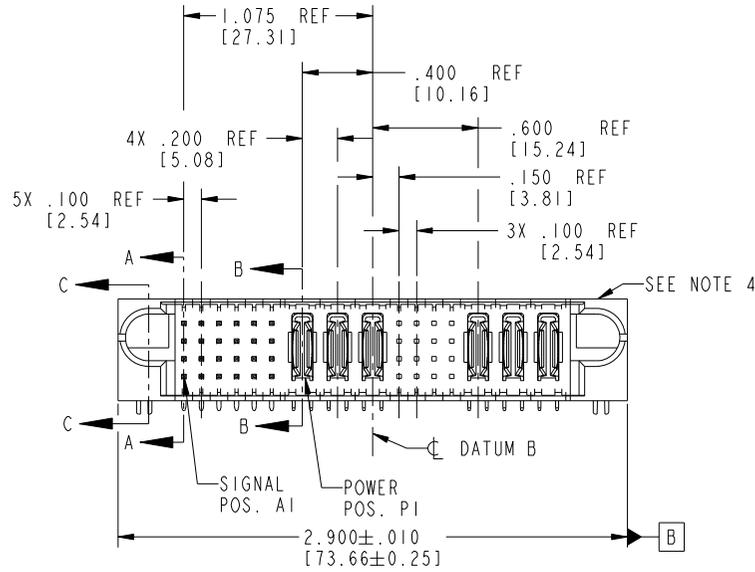


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PRODUCT NO.	ROWS	SIGNAL						POWER			SIG.			POWER			E2
		E1	1	2	3	4	5	6	P1	P2	P3	7	8	9	10	P4	
51939-090_	D C B A	UUUUUUH TTTTTTTT SSSSSSS RRRRRRR						PA PA PA			XXXXXX XXXXXX XXXXXX			PA PA PA			
NOTE: 3		HAL												HA			



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
E	.220 [5.59]	SIGNAL
H	.220 [5.59]	SIGNAL
R	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
U	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER
HA	N/A [N/A]	HOLD-DOWN
X	OMITTED	OMITTED

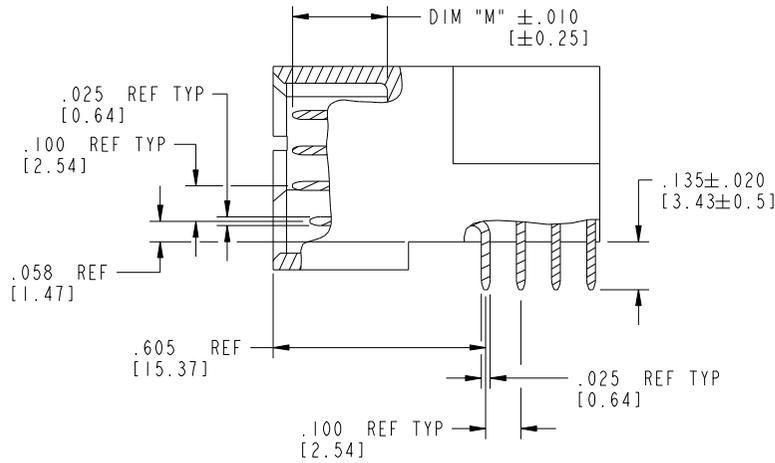
mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection		COPY		www.fciconnect.com	
A	V03-1199	TAB	11/06/03		.XXX±.005/0.XX±0.13	INCH/MM		title		24S + 3P + 16S + 3P	
B	DG06-0014	JMG	01/13/06	angles	.XXX±.002/0.XXX±0.051	scale		product family		PwrBlade	
C	DG09-0003	WD	01/17/09		0°±2°	1:1		size		code	
				dr	T. BRUNGARD 11/06/03			dwg no		213	
				enr	M. GRAY 11/06/03			sheet		1 of 4	
				chr	M. GRAY 11/06/03			A		51939-090	
				appd	M. GRAY 11/06/03			cage code		22526	
sheet index	revision sheet	C	C	C	C						
		1	2	3	4						

1 | 2 | Pro/E | 3 | cage code 22526 | 4

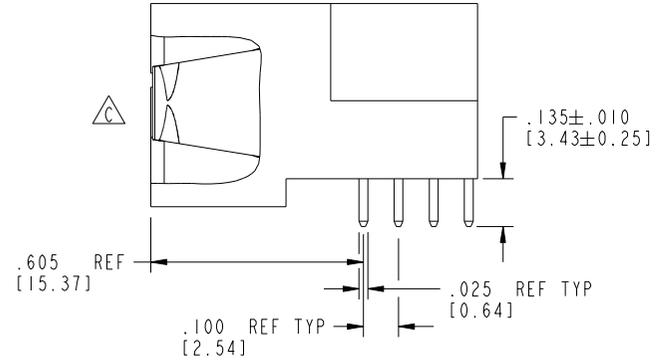
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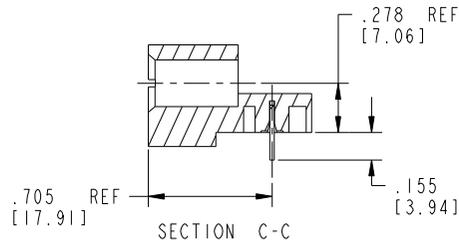
PRODUCT NUMBER  
51939-090\_\_  
NOTE: 3



BROKEN-OUT SECTION A-A  
SCALE 2:1



BROKEN-OUT SECTION B-B  
SCALE 2:1



SECTION C-C

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
C					.XXX±.005/0.XX±0.13	projection		title 24S + 3P + 16S + 3P	
				angles	.XXX±.0020/0.XXX±0.051			RIGHT ANGLE SOLDER HEADER	
				dr	T. BRUNGARD 11/06/03	INCH/MM		product family PwrBlade code 213	
				enr	M. GRAY 11/06/03	scale		size dwg no 213	
				chr	M. GRAY 11/06/03	1:1		sheet 2 of 4	
				appd	M. GRAY 11/06/03	A		51939-090	
sheet index	revision sheet								

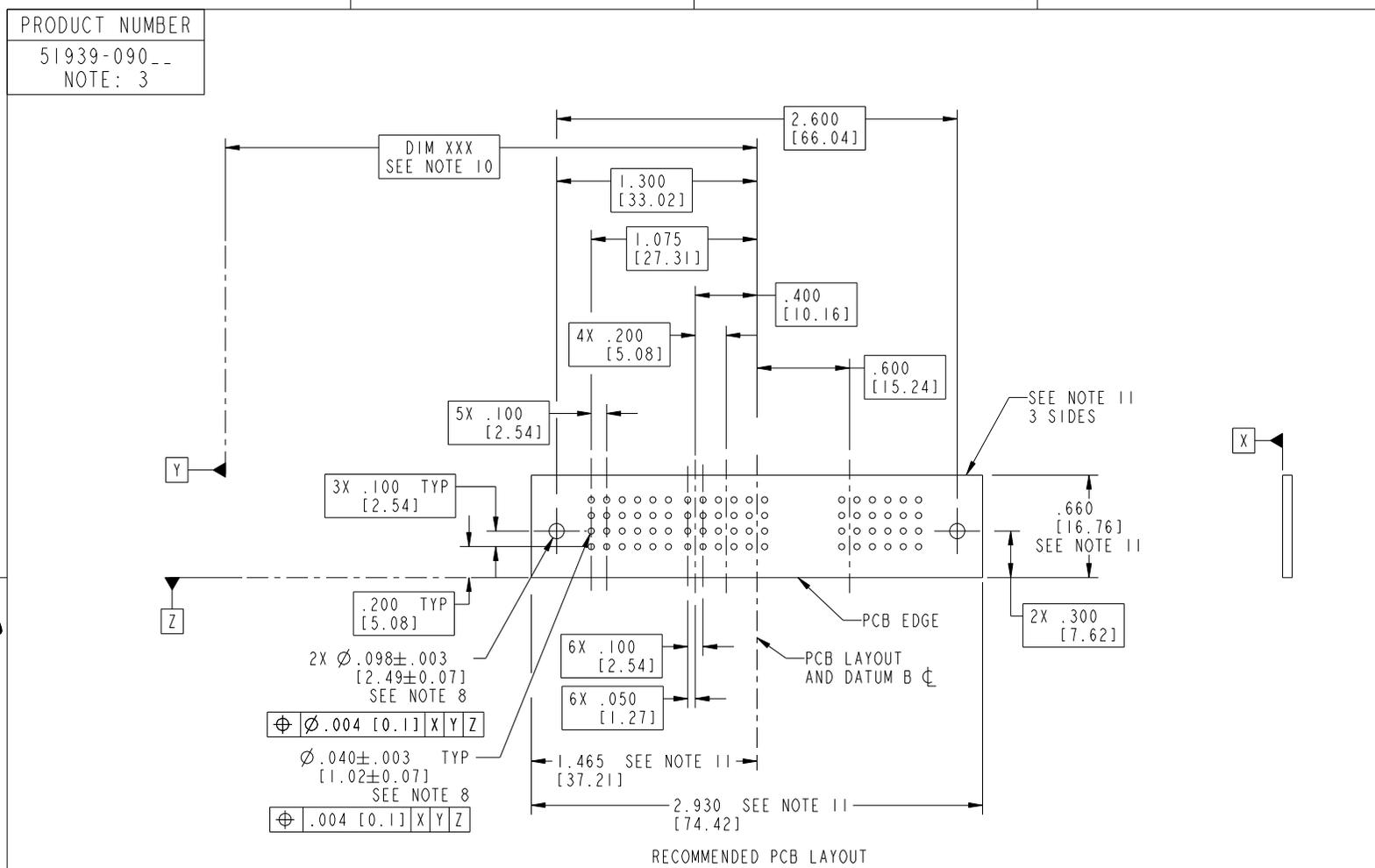
Pro/E

cage code 22526

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PRODUCT NUMBER  
51939-090\_\_  
NOTE: 3

$\varnothing .004 [0.1] X|Y|Z$   
 $\varnothing .040 \pm .003$  TYP  
[1.02 ± 0.07]  
SEE NOTE 8  
 $\varnothing .004 [0.1] X|Y|Z$

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 24S + 3P + 16S + 3P	
C					.XXX±.005/0.XX±0.13	projection		RIGHT ANGLE SOLDER HEADER	
				angles	.XXX±.002/0.XXX±0.051			product family PwrBlade code 213	
				dr	0°±2°	INCH/MM		size dwg no 213	
				enr	T. BRUNGARD 11/06/03	scale 1:1		sheet 3 of 4	
				chr	M. GRAY 11/06/03	A		51939-090	
				appd	M. GRAY 11/06/03				
sheet index	revision sheet							cage code 22526	

RECOMMENDED PCB LAYOUT

Pro/E

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PRODUCT NUMBER
51939-090__
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. SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-090 AND 51939-090LF 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	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		projection		title 24S + 3P + 16S + 3P	
C					.XXX±.005/0.XX±0.13	INCH/MM		RIGHT ANGLE SOLDER HEADER		product family PwrBlade code 213	
				angles	.XXX±.002/0.XXX±0.051	scale		size		sheet	
				dr	0°±2°	1:1		A		4 of 4	
				enr	T. BRUNGARD 11/06/03			51939-090			
				enr	M. GRAY 11/06/03						
				chr	M. GRAY 11/06/03						
				appd	M. GRAY 11/06/03						
sheet index	revision sheet										

cage code 22526

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