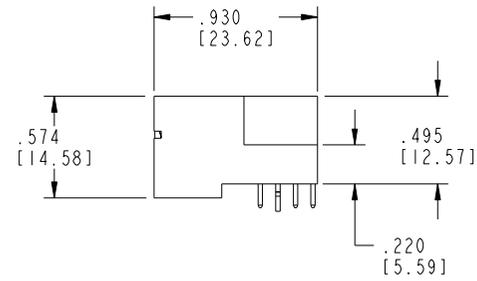
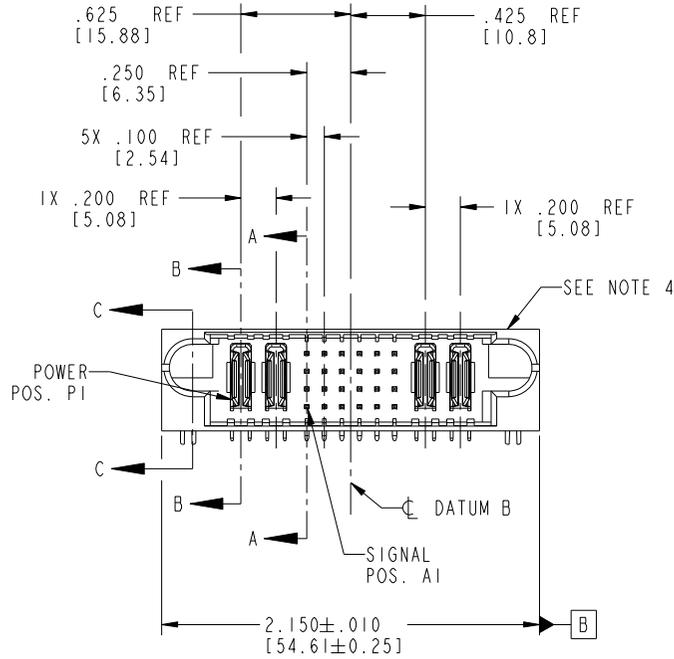
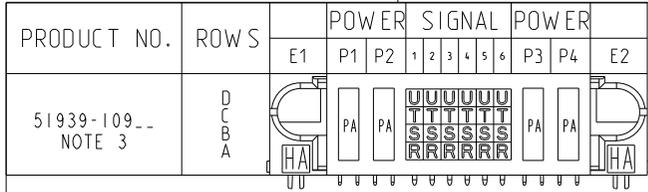


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CODE	DIM "M" MATING LENGTH	CONTACT TYPE
R	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
U	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER
HA	N/A [N/A]	HOLD-DOWN

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 2P + 24S + 2P RIGHT ANGLE SOLDER HEADER		
A	V04-0134	DAI	02/13/04		.XXX±.005/0.XX±0.13		projection				
B	DG06-0013	RYAN	01/10/06		.XXX±.002/0.XX±0.051		 INCH/MM				
C	DG09-0003	WD	01/19/09	angles	0°+2°		scale		product family PwrBlade code 213 size dwg no 51939-109 sheet 1 of 4		
sheet index		revision sheet		C	C	C	C	scale 1:1		A cage code 22526	

1 | 2

Pro/E

3 |

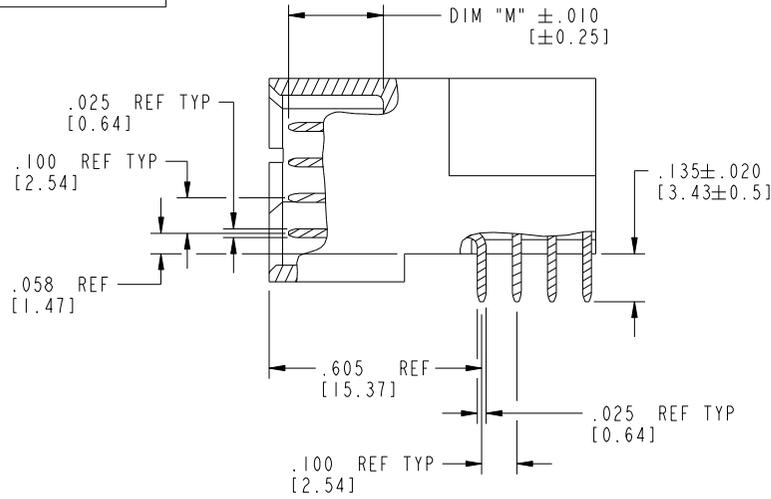
cage code 22526

4

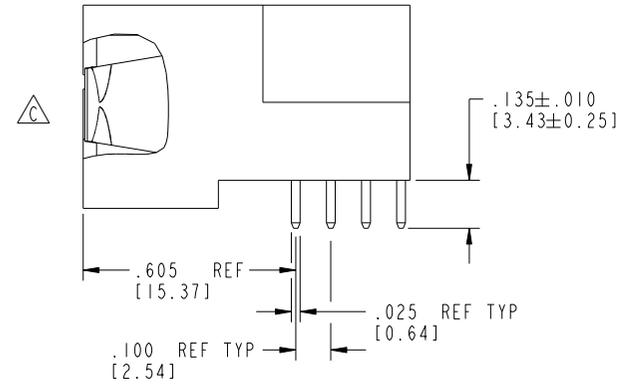
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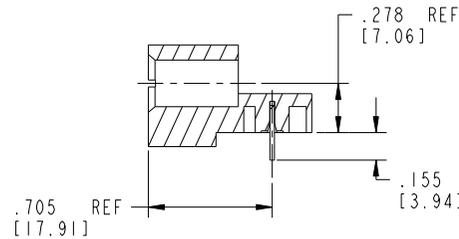
PRODUCT NUMBER  
51939-109--  
NOTE 3



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		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		2P + 24S + 2P			
				angles	.XXX±.002/0.XXX±0.051			RIGHT ANGLE SOLDER HEADER			
				dr	D. INGRAM 02/13/04	INCH/MM		product family		PwrBlade	code
				enr	M. GRAY 02/13/04	scale		size		dwg no	213
				chr	M. GRAY 02/13/04	1:1		A		51939-109	sheet
				appd	M. GRAY 02/13/04						2 of 4
sheet index	revision sheet										

cage code 22526

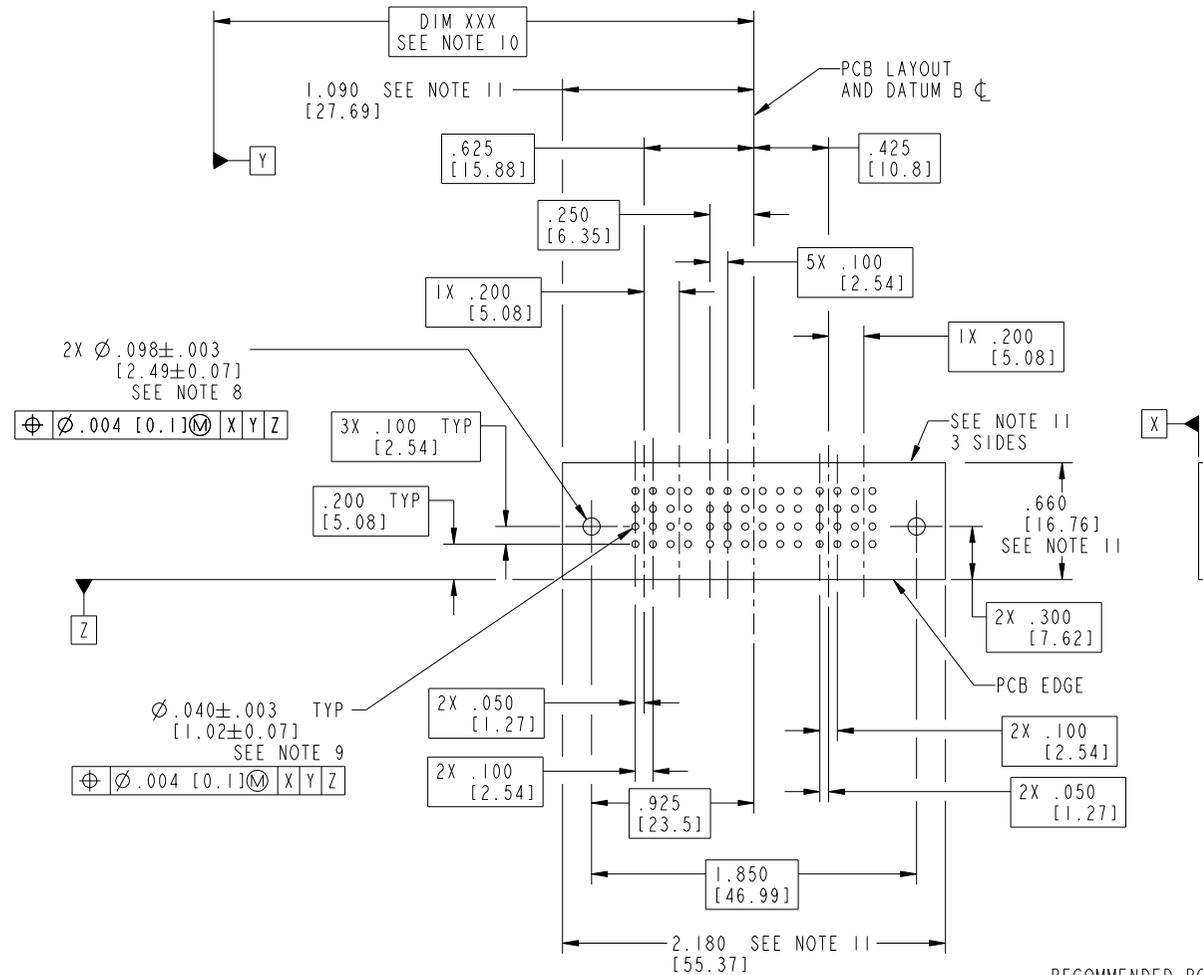
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PRODUCT NUMBER  
51939-109--  
NOTE 3



RECOMMENDED PCB LAYOUT

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 2P + 24S + 2P	
				angles	.XXX±.0020/0.XXX±0.051	INCH/MM		RIGHT ANGLE SOLDER HEADER	
				dr	0°+2°	scale		product family PwrBlade code 213	
				enr	D. INGRAM 02/13/04	1:1		size dwg no 213	
				chr	M. GRAY 02/13/04			sheet 3 of 4	
				appd	M. GRAY 02/13/04			A 51939-109	
sheet index	revision sheet							cage code 22526	

Pro/E

cage code 22526

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PRODUCT NUMBER
51939-109__ 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 51939-109 AND 51939-109LF 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			
C					.XXX±.005/0.XX±0.13	INCH/MM		title 2P + 24S + 2P			
				angles	.XXX±.002/0.XXX±0.051	1:1		RIGHT ANGLE SOLDER HEADER			
				dr	0°+2°	scale		product family PwrBlade		code 213	
				enr	D. INGRAM 02/13/04	A		size		sheet 4 of 4	
				chr	M. GRAY 02/13/04	A		dwg no		51939-109	
				appd	M. GRAY 02/13/04	A		cage code		22526	
sheet index	revision sheet										

1 | 2

3 |

4

1 | 2

Pro/E

3 |

cage code 22526

4