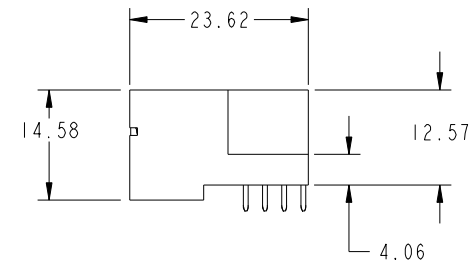
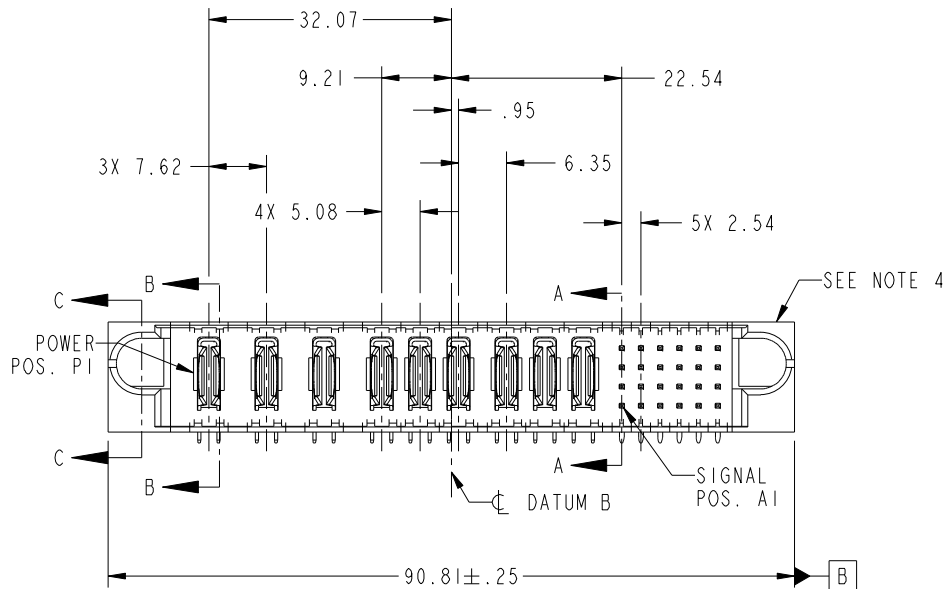




PRODUCT NO.	ROWS	POWER										SIGNAL						E2
		E1	P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5	6	
51939-103-- NOTE: 3	D C B A																	



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
E	[5.59]	SIGNAL
F	[5.59]	SIGNAL
G	[5.59]	SIGNAL
H	[5.59]	SIGNAL
R	[6.86]	SIGNAL
S	[6.86]	SIGNAL
T	[6.86]	SIGNAL
U	[6.86]	SIGNAL
PA	[N/A]	POWER

mat'l code				SEE NOTE		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date			linear	0.X ± 0.5	COPY		www.fciconnect.com	
A	V04-0014	TAB	01/12/04				0.XX ± 0.25	projection		title	
B	V04-0271	TAB	03/29/04				0.XXX ± 0.10			9P + 24S	
C	DG05-0464	SW	11/15/05			angles	0° ± 2°			RIGHT ANGLE SOLDER HEADER	
D	DG07-0498	JW	09/12/08	dr	T. BRUNGARD	01/12/04		MM		product family	
				enrg	M. GRAY	01/12/04		scale	1:1	PwrBlade	
				chr	M. GRAY	01/12/04				code	
				appd	M. GRAY	01/12/04				213	
sheet index	revision sheet	D	D	D	D					sheet	
		1	2	3	4					1 of 4	

B

B

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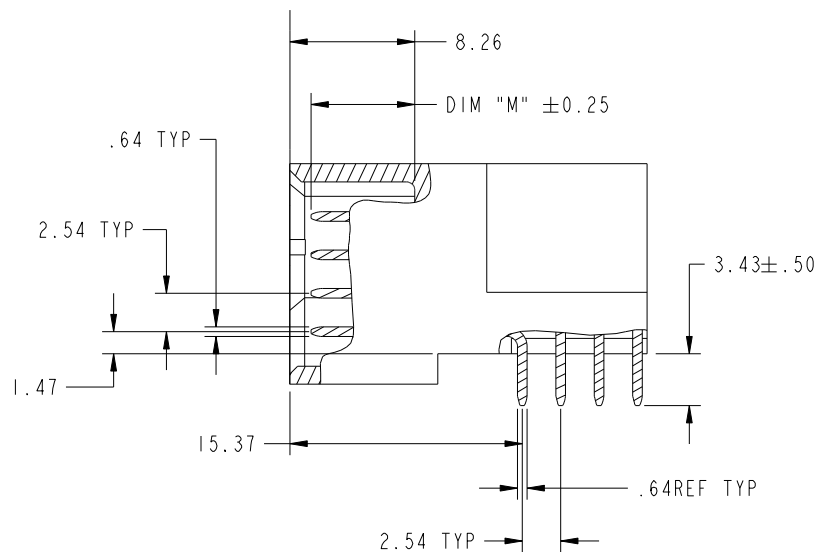
1 | 2

3 |

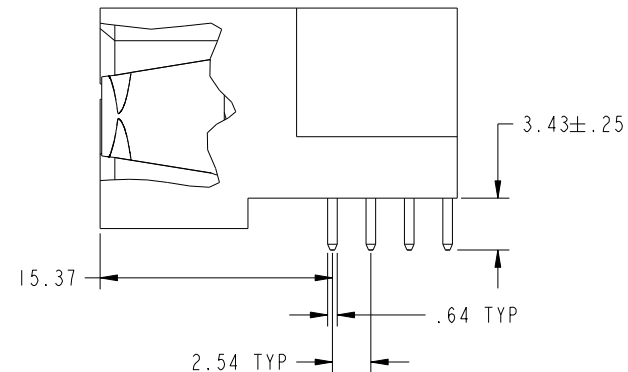
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PRODUCT NUMBER

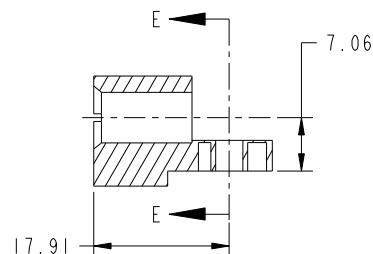
51939-103--
NOTE: 3



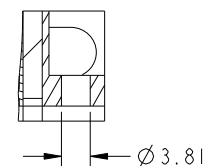
BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C



PARTIAL SECTION E-E

mat'l code				SEE NOTE		tolerances unless otherwise specified		CUSTOMER		FCI			
lfr	ecn no.	dr	date			linear	0.X ±0.5	COPY		www.fciconnect.com			
D							0.XX ±0.25	projection		title			
						angles	0.XXX ±0.10			9P + 24S			
							0° ±2°			RIGHT ANGLE SOLDER HEADER			
				dr	T. BRUNGARD	01/12/04		MM		product family		PwrBlade	code
				enrg	M. GRAY	01/12/04		scale		size	dwg no		213
				chr	M. GRAY	01/12/04		1:1		A		51939-103	sheet
				appd	M. GRAY	01/12/04						2	
sheet index	revision sheet												

B

B

1 | 2

Pro/E

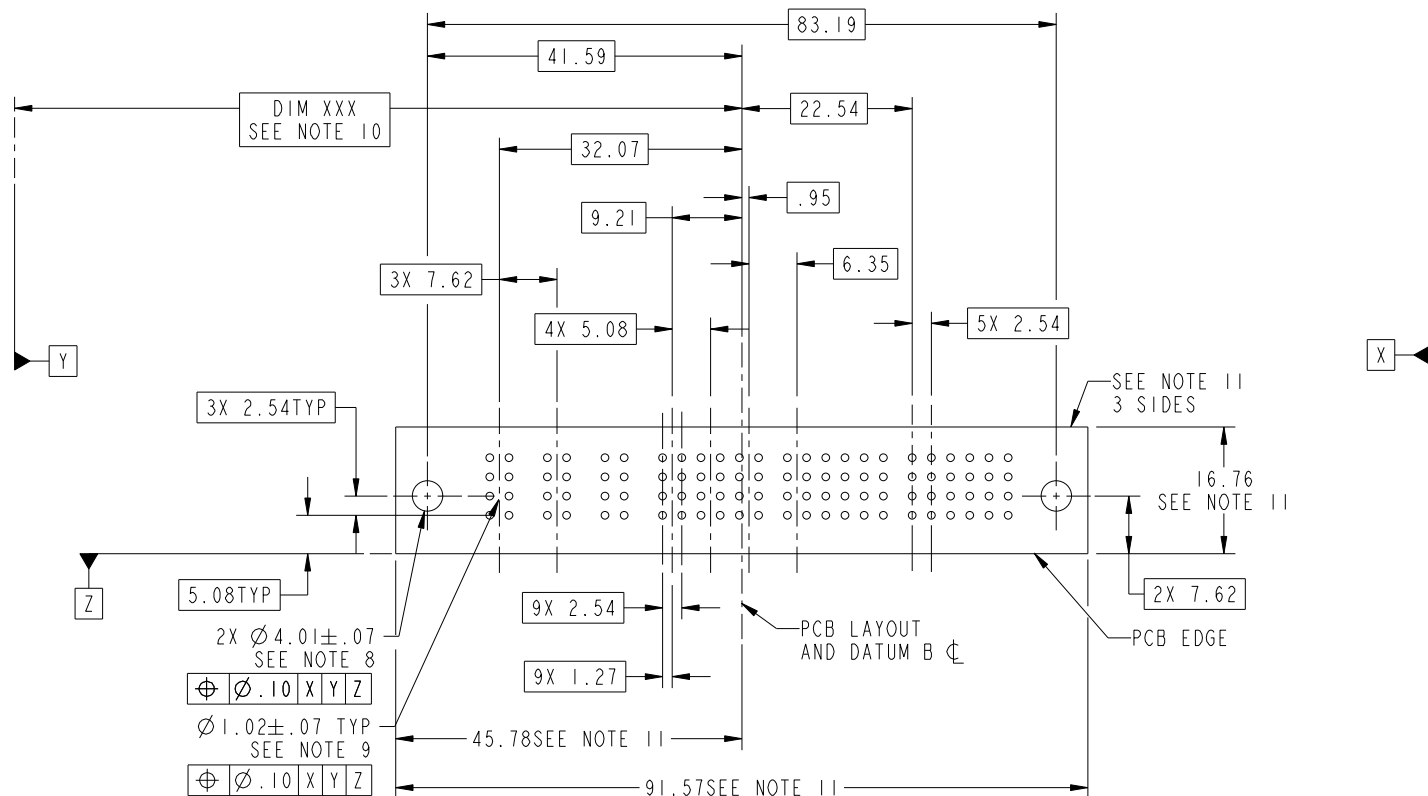
PDM: Rev:D

STATUS: Released

Printed: Dec 20, 2010



PRODUCT NUMBER
51939-103--
NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE		tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date					COPY		www.fciconnect.com	
D				linear		0.X ±0.5		projection		title	
						0.XX ±0.25				9P + 24S	
				angles		0.XXX ±0.10				RIGHT ANGLE SOLDER HEADER	
						0° ±2°				product family	
				dr	T. BRUNGARD	01/12/04		MM		PwrBlade	
				enrg	M. GRAY	01/12/04		scale		size	
				chr	M. GRAY	01/12/04		1:1		dwg no	
				appd	M. GRAY	01/12/04				A	
sheet index	revision sheet									51939-103	
										code	
										213	
										sheet	
										3	

cage code 22506

Pro/E

PDM: Rev:D

STATUS: Released

Printed: Dec 20, 2010



1 | 2

3

4

PRODUCT NUMBER

51939-103--
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. PLATING:
SEE ITEM 1&2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-103; 51939-103LF

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.

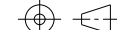
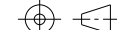
8. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

9. $\varnothing 1.151 \pm 0.025$ DRILLED HOLES PLATED WITH)
0.008 MIN SnPb OR Sn OVER 0.03
TO 0.08 Cu PLATING TO ACHIEVE
 $\varnothing 1.02 \pm .07$ HOLE.

10. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.

11. CONNECTOR KEEP-OUT ZONE.

- 12 A SYMBOL WILL BE NEXT TO ANY DIMENSION,
VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH
THE CURRENT DRAWING REVISION.

mat'l code				SEE NOTE		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com			
ltr	ecn no.	dr	date	linear	0.X ± 0.5		COPY			title 9P + 24S RIGHT ANGLE SOLDER HEADER			
0					0.XX ± 0.25		projection						
					0.XXX ± 0.10								
				angles	0° $\pm 2^\circ$								
				dr	T. BRUNGARD	01/12/04	 MM scale 1:1		product family		PwrBlade		code
				enrg	M. GRAY	01/12/04			size	dwg no		213	
				chr	M. GRAY	01/12/04			A	51939-103		sheet	
				appd	M. GRAY	01/12/04						4	
sheet index		revision sheet											

1 | 2

Pro/E

PDM: Rev:D

STATUS: Released

Printed: Dec 20, 2010