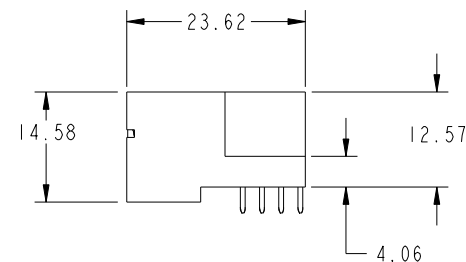
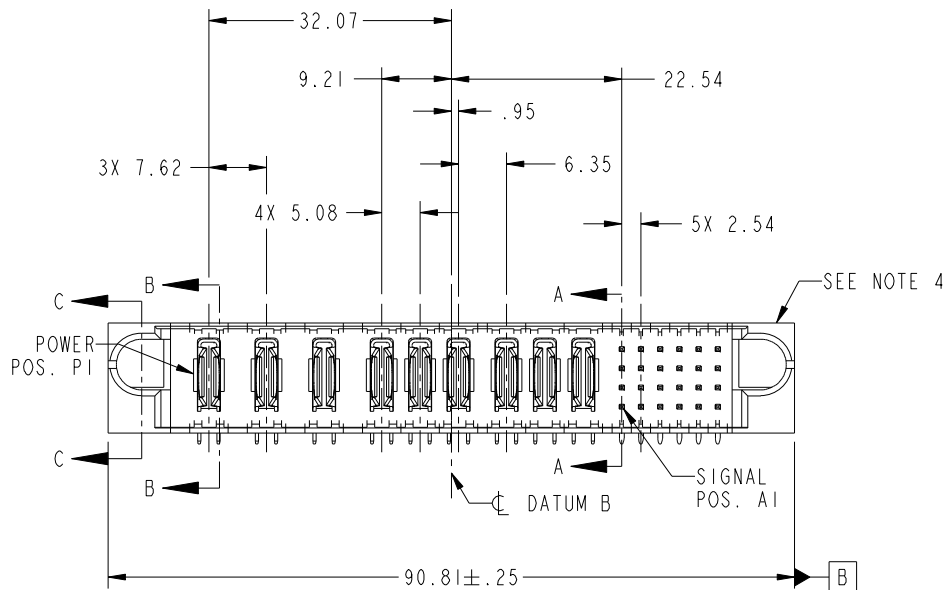




PRODUCT NO.	ROWS		POWER									SIGNAL						
		E1	P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5	6	E2
51939-103-- NOTE: 3	D C B A																	
																		
																		
																		



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 PwrBlade	
				enrg	M. GRAY	01/12/04		scale		size dwg no	
				chr	M. GRAY	01/12/04		1:1		A 51939-103	
				appd	M. GRAY	01/12/04				sheet 213	
sheet index	revision sheet	D 1	D 2	D 3	D 4					1 of 4	

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A

B

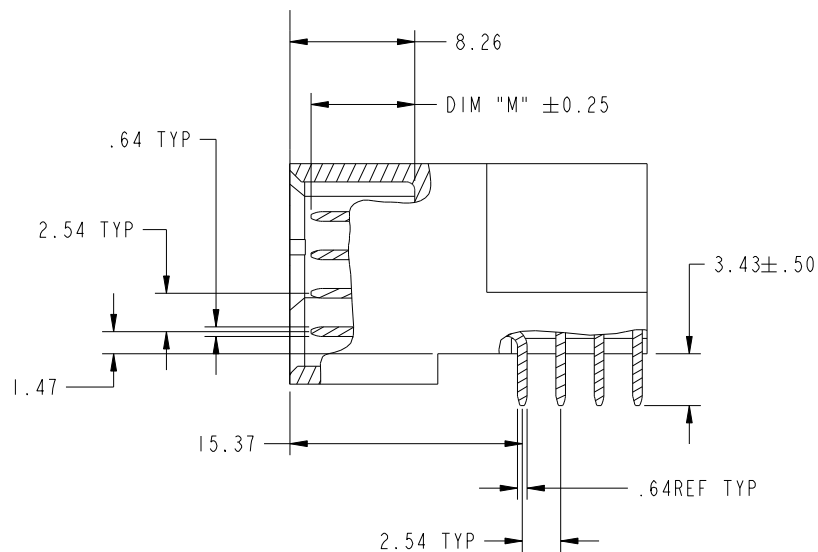
1 | 2

3 |

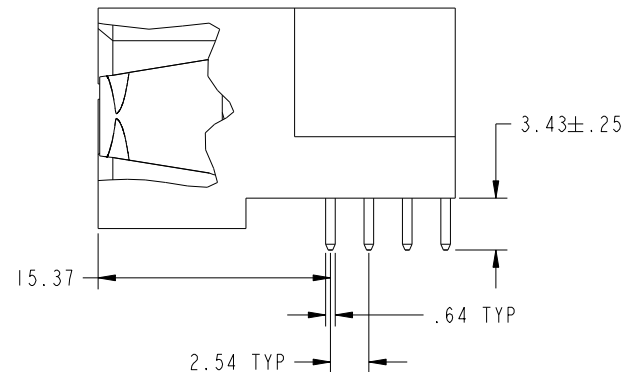
4

PRODUCT NUMBER

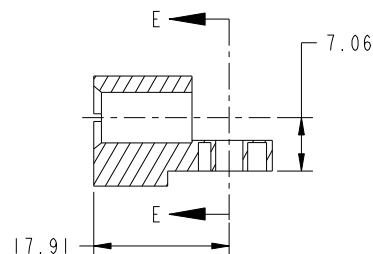
51939-103--
NOTE: 3



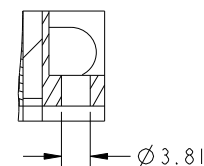
BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C



PARTIAL SECTION E-E

A

B

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

1 | 2

Pro/E

PDM: Rev:D

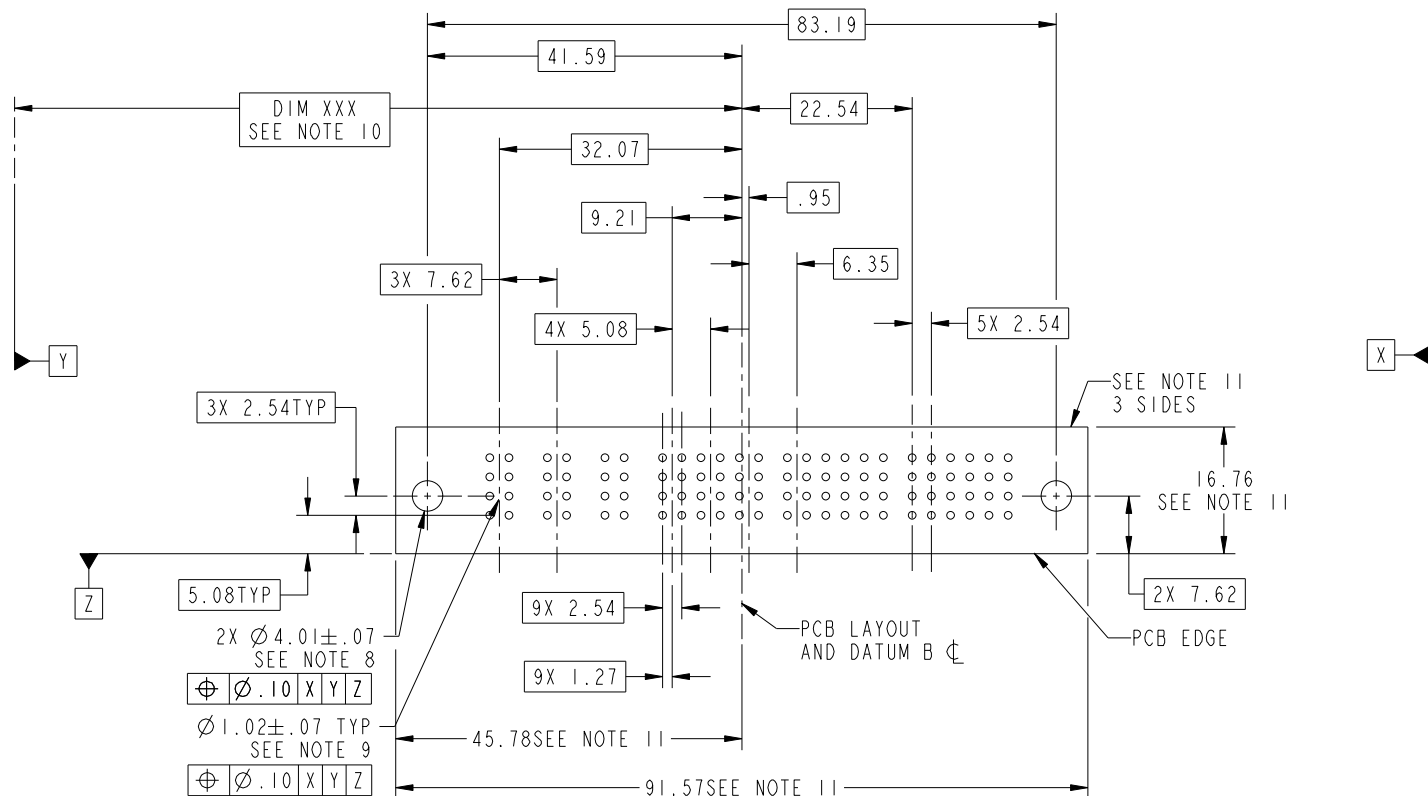
STATUS: Released

Printed: Sep 26, 2008



PRODUCT NUMBER

51939-103--
NOTE: 3



RECOMMENDED PCB LAYOUT

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



www.fciconnect.com

title
9P + 24S
RIGHT ANGLE SOLDER HEADER

product family
PwrBlade

size
A

dwg no
51939-103

code
213

sheet
3

MM

scale

1:1



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	$0.X \pm 0.5$		COPY		title 9P + 24S RIGHT ANGLE SOLDER HEADER		
0					$0.XX \pm 0.25$		projection				
					$0.XXX \pm 0.10$						
				angles	$0^\circ \pm 2^\circ$				product family PwrBlade size A 51939-103 code 213 sheet 4		
				dr	T. BRUNGARD	01/12/04	scale				
				enrg	M. GRAY	01/12/04	1:1				
				chr	M. GRAY	01/12/04					
				appd	M. GRAY	01/12/04					
sheet index	revision sheet										

1 | 2

Pro/E

PDM: Rev:D

STAT: **Released**

Printed: Sep 26, 2008