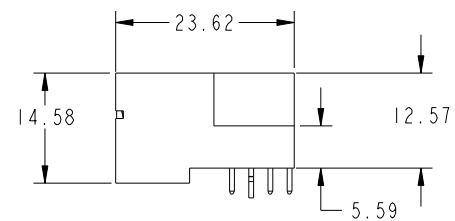
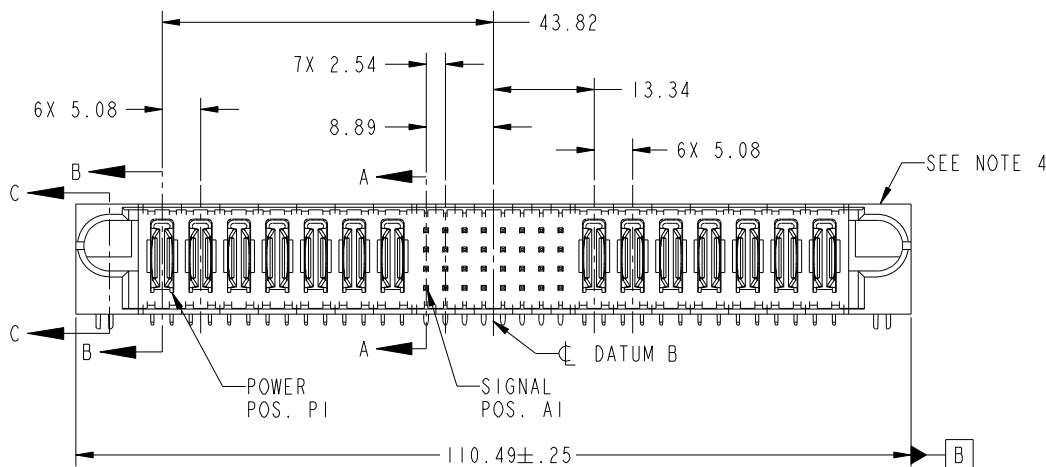




1																2																3																4															
PRODUCT NO.	ROWS	POWER								SIGNAL								POWER																																													
		E1	P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	6	7	8	P8	P9	P10	P11	P12	P13	P14	E2																																						
51939-086-- NOTE: 3	D C B A		PA	PA	PA	PA	PA	PA	PA	UUUUUUUUUU	UUUUUUUUUU	UUUUUUUUUU	UUUUUUUUUU	UUUUUUUUUU	UUUUUUUUUU	UUUUUUUUUU	UUUUUUUUUU	PA	PA	PA	PA	PA	PA	PA																																							
			PA	PA	PA	PA	PA	PA	PA	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS	SSSSSSSSSS	PA	PA	PA	PA	PA	PA	PA																																							
			PA	PA	PA	PA	PA	PA	PA	RRRRRRRRRR	RRRRRRRRRR	RRRRRRRRRR	RRRRRRRRRR	RRRRRRRRRR	RRRRRRRRRR	RRRRRRRRRR	RRRRRRRRRR	PA	PA	PA	PA	PA	PA	PA																																							



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

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	V03-1128	TAB	10/20/03				0.XX ±0.25	projection		title	
B	DG05-0171	GuoJM	06/19/05				0.XXX ±0.10			7P + 32S + 7P	
C	DG05-0435	SW	11/03/05			angles	0° ±2°			RIGHT ANGLE SOLDER HEADER	
D	DG07-0498	JW	09/15/08	dr	T. BRUNGARD	10/20/03				product family	
				enrg	M. GRAY	10/20/03				PwrBlade	
				chr	M. GRAY	10/20/03				code	
				appd	M. GRAY	10/20/03				213	
sheet	revision	D	D	D	D			scale	1:1	size	
index	sheet	1	2	3	4					dwg no	
										A	
										51939-086	
										sheet	
										1 of 4	

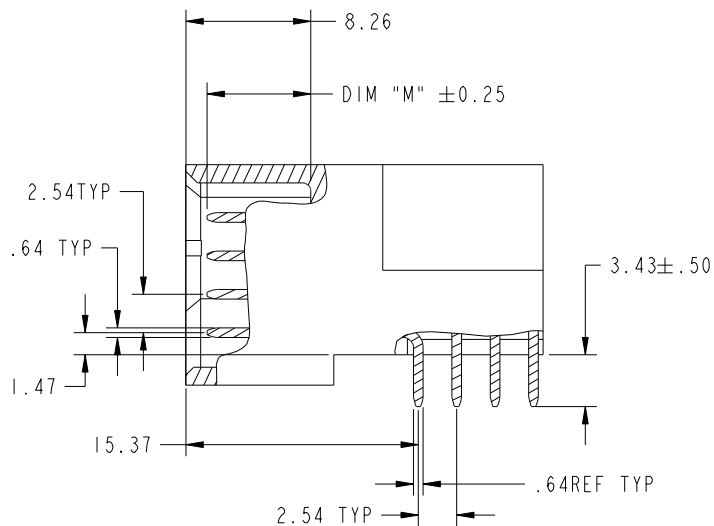
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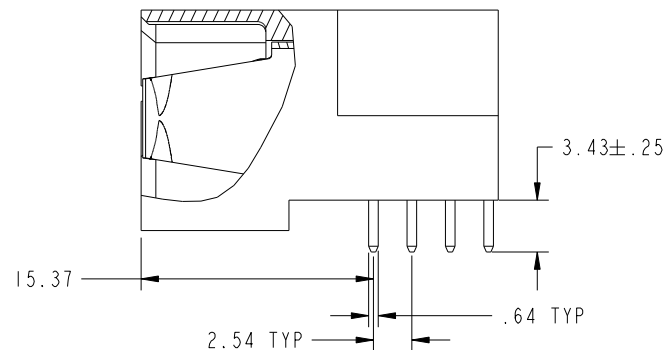
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PRODUCT NUMBER

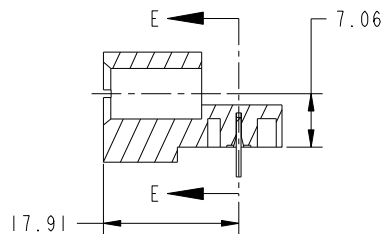
51939-086--
NOTE: 3



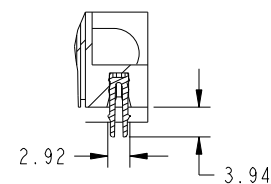
BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C



SECTION E-E

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 7P + 32S + 7P RIGHT ANGLE SOLDER HEADER			
						0.XX ±0.25							
				angles		0.XXX ±0.10				product family PwrBlade			
						0° ±2°							
				dr	T. BRUNGARD	10/20/03		MM		size A			
				enrg	M. GRAY	10/20/03		scale	1:1				
				chr	M. GRAY	10/20/03				dwg no 51939-086			
				appd	M. GRAY	10/20/03							
sheet index		revision sheet								code 213			
										sheet 2			

Pro/E

PDM: Rev:D

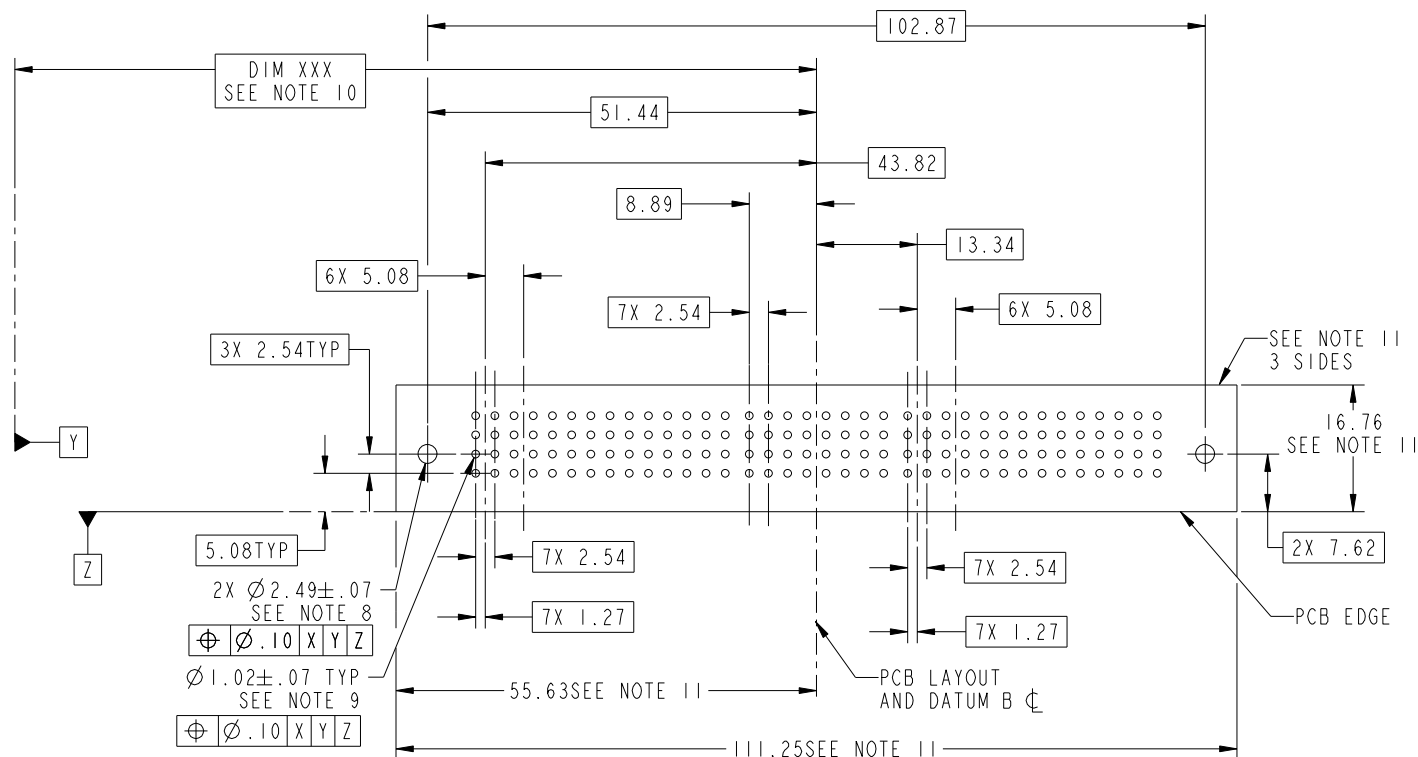
STATUS: Released

Printed: Dec 20, 2010



PRODUCT NUMBER

51939-086--
NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE				tolerances unless otherwise specified				CUSTOMER				FCI www.fciconnect.com				
lfr	ecn no.	dr	date	linear	0.X ±0.5				COPY				projection				title 7P + 32S + 7P RIGHT ANGLE SOLDER HEADER			
D					0.XX ±0.25															
					0.XXX ±0.10															
				angles	0° ±2°				scale 1:1				product family PwrBlade code 213 sheet 3							
				dr	T. BRUNGARD	10/20/03														
				enrg	M. GRAY	10/20/03														
				chr	M. GRAY	10/20/03														
				appd	M. GRAY	10/20/03														
sheet index		revision sheet																		

cage code 22506

Pro/E

PDM: Rev:D

STATUS: Released

Printed: Dec 20, 2010



1 | 2

3

4

PRODUCT NUMBER

51939-086--
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 51939-086; 51939-086LF

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
 $\varnothing 1.02 \pm 0.07$ HOLE.

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

11. CONNECTOR KEEP-OUT ZONE.

12. A Δ 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		FCI			
ltr	ecn no.	dr	date					COPY		www.fciconnect.com			
0				linear		$0.X \pm 0.5$		projection		title 7P + 32S + 7P RIGHT ANGLE SOLDER HEADER			
						$0.XX \pm 0.25$							
						$0.XXX \pm 0.10$				product family PwrBlade			
				angles		$0^\circ \pm 2^\circ$							
				dr	T. BRUNGARD	10/20/03		MM		size A			
				enrg	M. GRAY	10/20/03		scale					
				chr	M. GRAY	10/20/03				51939-086			
				appd	M. GRAY	10/20/03		1:1					
sheet	revision									code 213			
index	sheet												

A

A

B

B

1 | 2

Pro/E

PDM: Rev:D

STATUS: Released

Printed: Dec 20, 2010