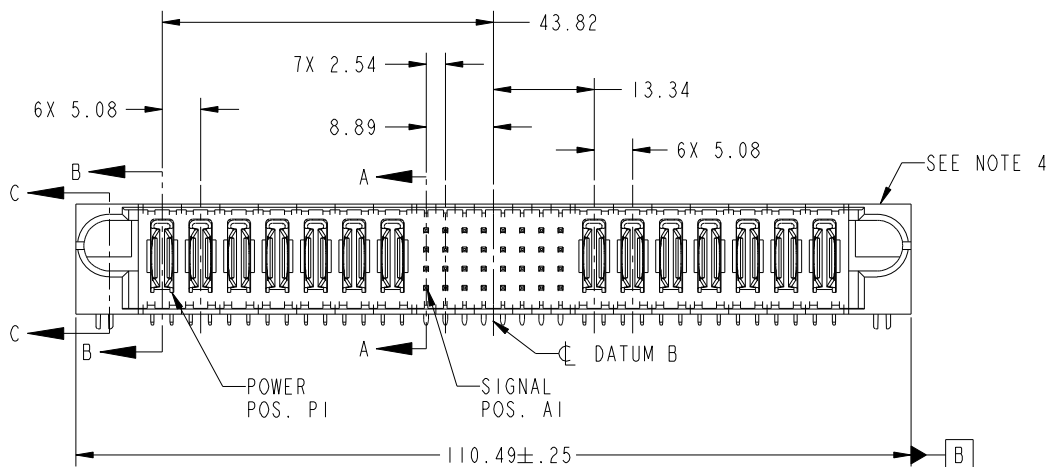
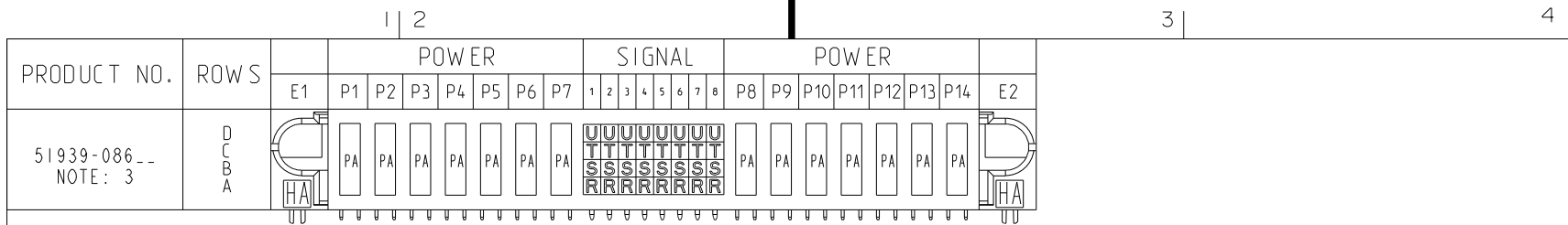


CODE	DIM "M" MATING LENGTH	CONTACT TYPE
R	[6.86]	SIGNAL
S	[6.86]	SIGNAL
T	[6.86]	SIGNAL
U	[6.86]	SIGNAL
PA	[N/A]	POWER
HA	[N/A]	HOLD-DOWN

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

A

B

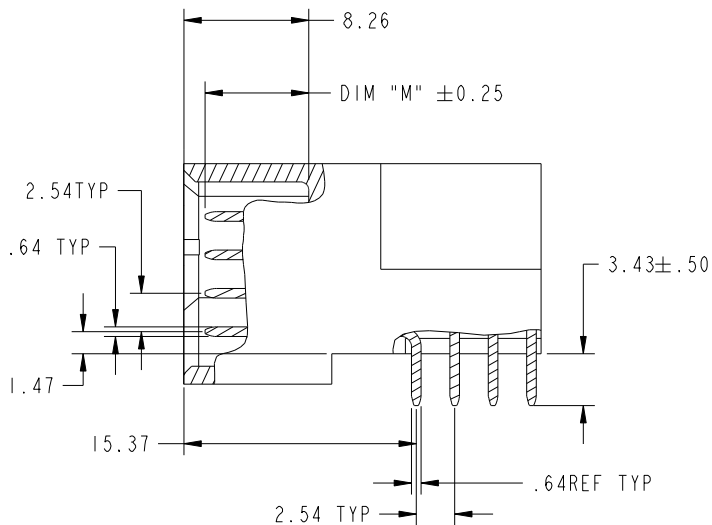
A

B

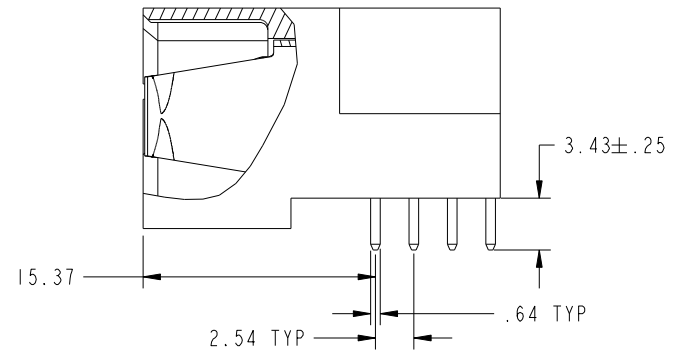


PRODUCT NUMBER

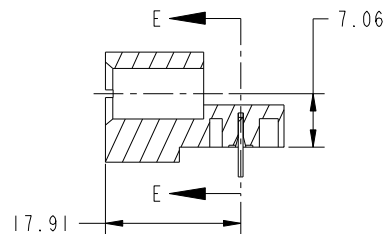
51939-086--
NOTE: 3



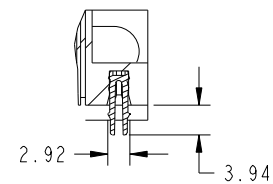
BROKEN-OUT SECTION A-A
SCALE 2:1



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	
lir	ecn no.	dr	date					COPY		www.fciconnect.com	
D				linear		0.X ± 0.5		projection		title	
						0.XX ± 0.25				7P + 32S + 7P	
				angles		0.XXX ± 0.10				RIGHT ANGLE SOLDER HEADER	
						0° $\pm 2°$				product family	
				dr	T. BRUNGARD	10/20/03				PwrBlade	
				enr	M. GRAY	10/20/03				code	
				chr	M. GRAY	10/20/03				213	
				appd	M. GRAY	10/20/03				sheet	
										2	
sheet	revision										
index	sheet										

MM

scale 1:1

A

size dwg no
51939-086

code

213

sheet

2

cage code 22506

STATUS: Released

Printed: Sep 26, 2008

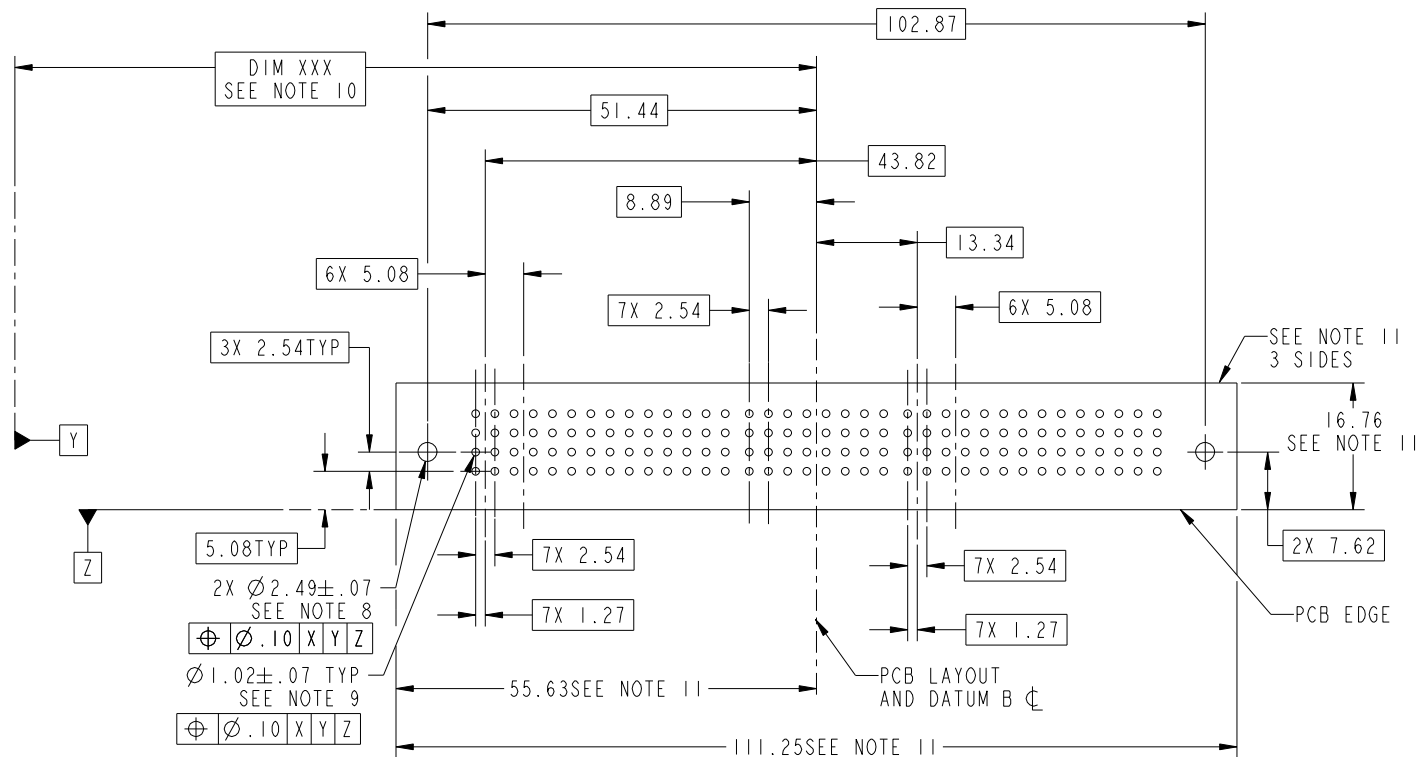
Pro/E

PDM: Rev:D



PRODUCT NUMBER

51939-086--
NOTE: 3



RECOMMENDED PCB LAYOUT

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	
						0.XXX ±0.10		0° ±2°		7P + 32S + 7P RIGHT ANGLE SOLDER HEADER	
				angles				product family		PwrBlade	
				dr	T. BRUNGARD	10/20/03		size		dwg no	
				enrg	M. GRAY	10/20/03		A		51939-086	
				chr	M. GRAY	10/20/03				sheet	
				appd	M. GRAY	10/20/03				3	
sheet index	revision sheet										

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			
						$0.XX \pm 0.25$				7P + 32S + 7P			
						$0.XXX \pm 0.10$				RIGHT ANGLE SOLDER HEADER			
				angles		$0^\circ \pm 2^\circ$				product family			
				dr	T. BRUNGARD	10/20/03		MM		PwrBlade			
				enrg	M. GRAY	10/20/03				size			
				chr	M. GRAY	10/20/03		scale		dwg no			
				appd	M. GRAY	10/20/03		1:1		A			
sheet	revision									product			
index	sheet									51939-086			
										code			
										213			
										sheet			
										4			