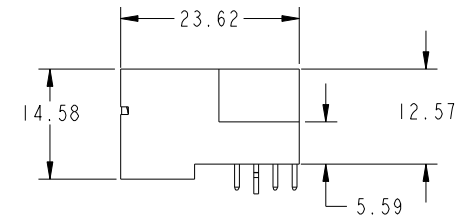
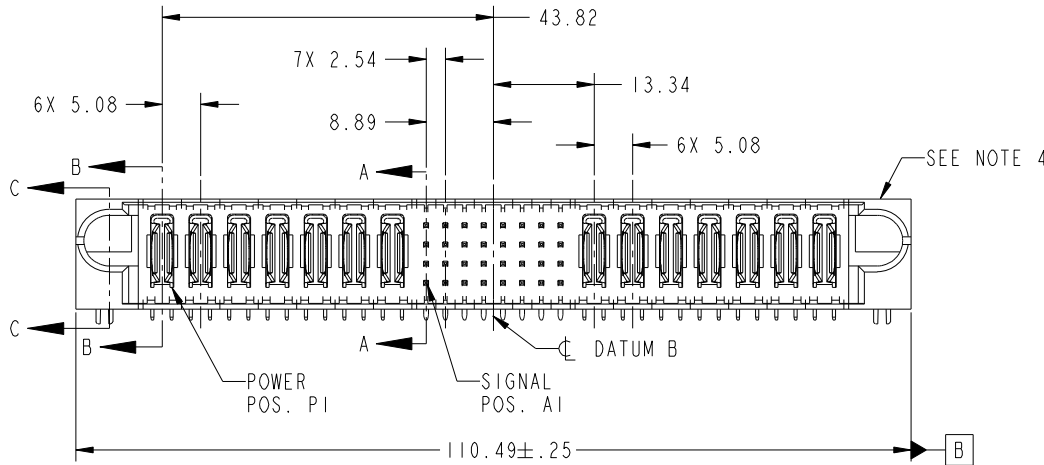
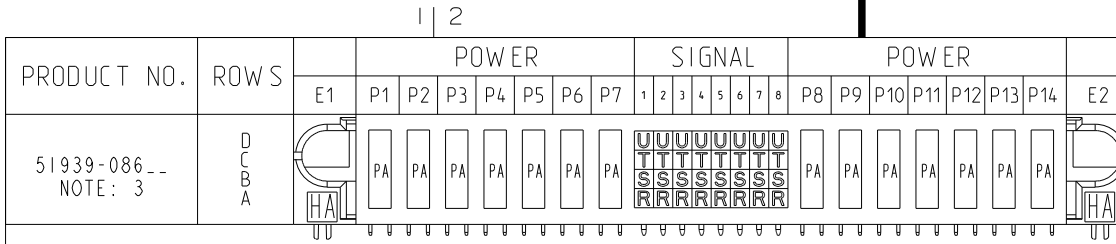


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CODE	DIM "M" MATING LENGTH	CONTACT TYPE
R	[6.86]	SIGNAL
S	[6.86]	SIGNAL
T	[6.86]	SIGNAL
U	[6.86]	SIGNAL
PA	[N/A]	POWER
HA	[N/A]	HOLD-DOWN

mat'l code				SEE NOTE		tolerances unless otherwise specified		CUSTOMER	
ltr	ecn no.	dr	date	linear	0.X ± 0.5	COPY		FCI	
A	V03-1128	TAB	10/20/03		0.XX ± 0.25	projection		www.fciconnect.com	
B	DG05-0171	GuoJM	06/19/05	angles	0.XXX ± 0.10	MM		title	
C	DG05-0435	SW	11/03/05		0° ± 2°	scale		7P + 32S + 7P	
D	DG07-0498	JW	09/15/08	dr		1:1		RIGHT ANGLE SOLDER HEADER	
				enrg	T. BRUNGARD 10/20/03			product family	
				chr	M. GRAY 10/20/03			PwrBlade	
				appd	M. GRAY 10/20/03			code	
sheet index	revision sheet	D 1	D 2	D 3	D 4			size	
								dwg no	
								A 51939-086	
								sheet	
								1 of 4	

A

B

3

4

A

B

1 | 2

Pro/E

PDM: Rev:D

STAT: Released

Printed: Sep 26, 2008

cage code 28556

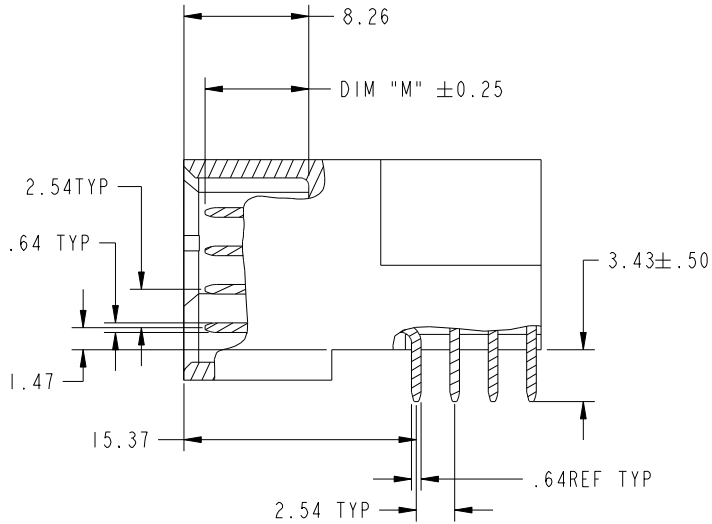
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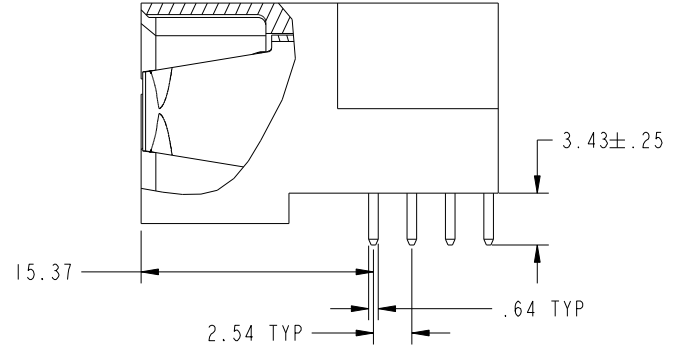


PRODUCT NUMBER

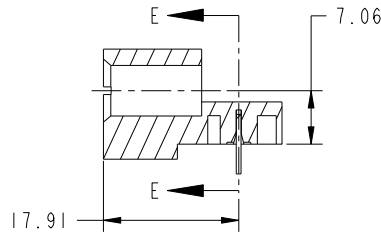
51939-086--
NOTE: 3



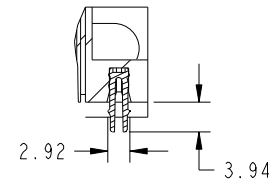
BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C



SECTION E-E

mat'l code		SEE NOTE		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lir	ecn no.	dr	date	linear	0.X ±0.5	COPY		title	
D					0.XX ±0.25	projection		7P + 32S + 7P	
				angles	0.XXX ±0.10			RIGHT ANGLE SOLDER HEADER	
				dr	0° ±2°			product family	
				enrg	T. BRUNGARD 10/20/03	MM		PwrBlade	
				chr	M. GRAY 10/20/03	1:1		code	
				appd	M. GRAY 10/20/03			213	
sheet index	revision sheet							size	
								dwg no	
								A 51939-086	
								sheet	
								2	
								cage code	
								22526	

A

A

B

B

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3

4

1 | 2

Pro/E

PDM: Rev:D

STATUS: Released

Printed: Sep 26, 2008

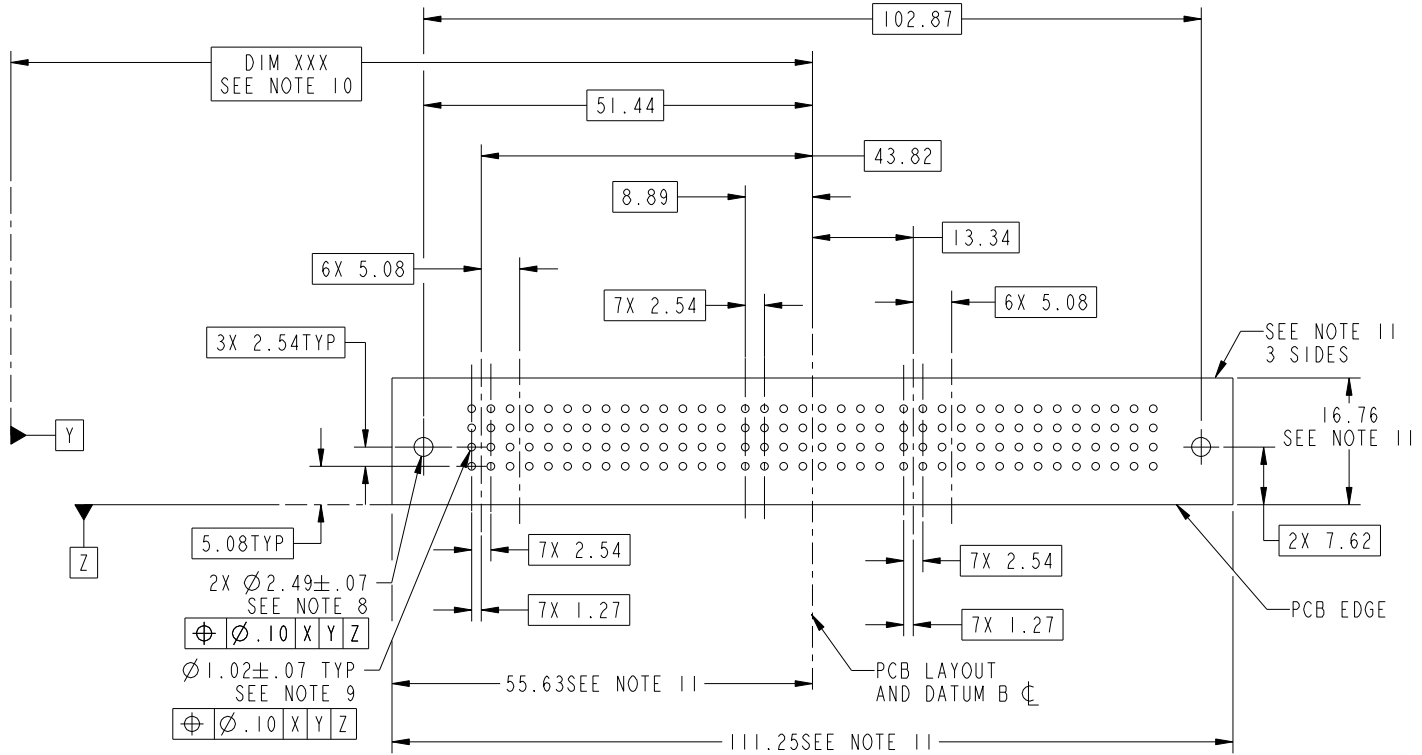
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PRODUCT NUMBER

51939-086--
NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code		SEE NOTE		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lir	ecn no.	dr	date	linear	0.X ± 0.5	COPY		title	
D				linear	0.XX ± 0.25	projection		7P + 32S + 7P	
				angles	0.XXX ± 0.10			RIGHT ANGLE SOLDER HEADER	
				dr	0° ± 2°			product family	
				enrg	T. BRUNGARD 10/20/03	MM		PwrBlade	
				chr	M. GRAY 10/20/03	scale		code	
				appd	M. GRAY 10/20/03	1:1		213	
sheet index	revision sheet					size		sheet	
						A		3	
						dwg no		cage code	
						51939-086		22506	

A

B

A

B

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3

4

1 | 2

Pro/E

PDM: Rev: D

STATUS: Released

Printed: Sep 26, 2008

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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 $\varnothing 1.02 \pm .07$ 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		www.fciconnect.com	
lir	ecn no.	dr	date	linear	0.X ±0.5		COPY		title 7P + 32S + 7P RIGHT ANGLE SOLDER HEADER
D					0.XX ±0.25		projection		
					0.XXX ±0.10				
				angles	0° ±2°				product family PwrBlade code 213 sheet 4
				dr	T. BRUNGARD	10/20/03			
				enrg	M. GRAY	10/20/03	scale		
				chr	M. GRAY	10/20/03	1:1		
				appd	M. GRAY	10/20/03	A 51939-086		
sheet index	revision sheet								

A

A

B

B

1 | 2

Pro/E

PDM: Rev:D

STAT: Released

Printed: Sep 26, 2008

cage code 2856