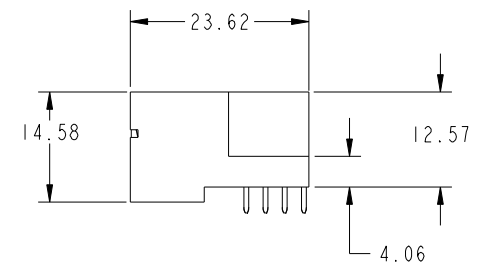
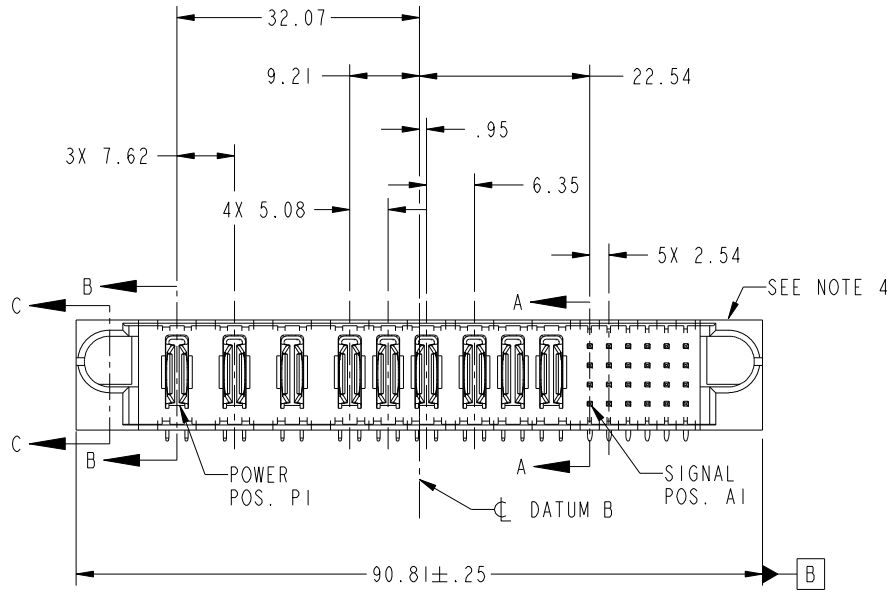
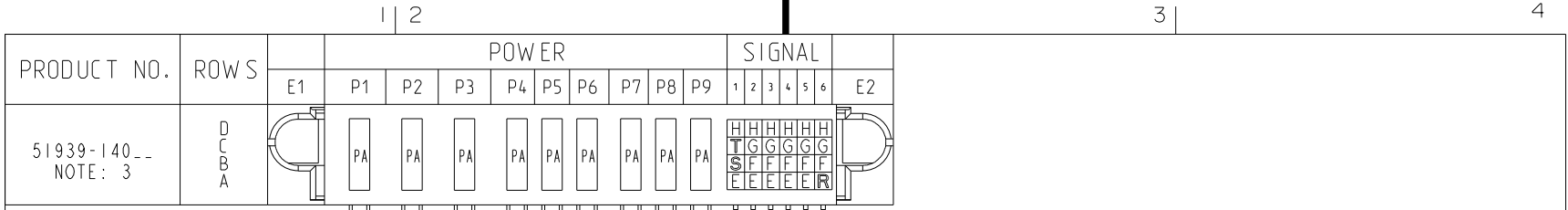


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CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PA	[N/A]	POWER
T	[6.86]	SIGNAL
S	[6.86]	SIGNAL
R	[6.86]	SIGNAL
H	[5.59]	SIGNAL
G	[5.59]	SIGNAL
F	[5.59]	SIGNAL
E	[5.59]	SIGNAL

mat'l code				SEE NOTE		tolerances unless otherwise specified	
ltr	ecn no.	dr	date	linear	angles		
A	V04-1024	TAB	10/14/04	0.X ± 0.5	0° ± 2°		
B	V04-1181	TAB	12/14/04	0.XX ± 0.25			
C	DG05-0164	SJ	06/29/05	0.XXX ± 0.10			
D	DG05-0415	GuoJM	10/25/05				
E	DG07-0498	JW	09/15/08				

CUSTOMER		FCI		www.fciconnect.com	
COPY		projection		title	
9P + 24S		RIGHT ANGLE SOLDER HEADER		product family	
PwrBlade		code		size	
dwg no		213		sheet	
A		51939-140		1 of 4	
scale		1:1		cage code	
				2856	

sheet index	revision sheet	E	E	E	E
	1 2	3	4		

A

B

A

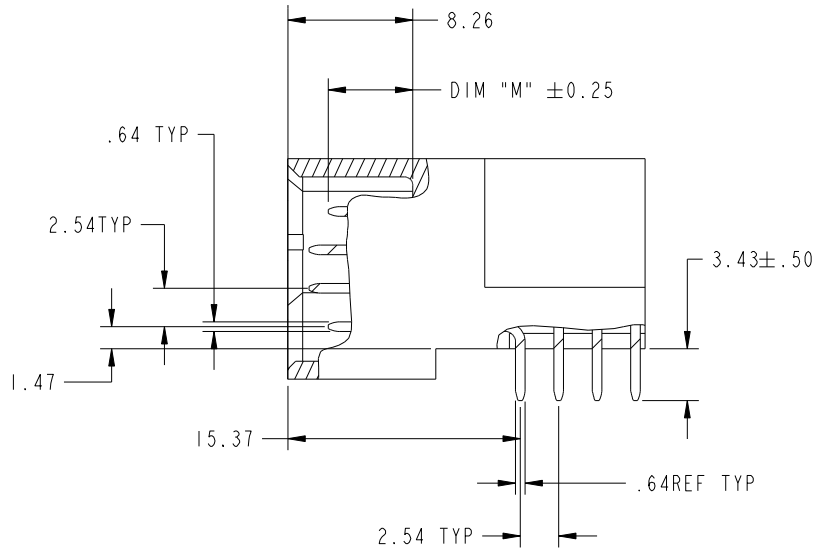
B

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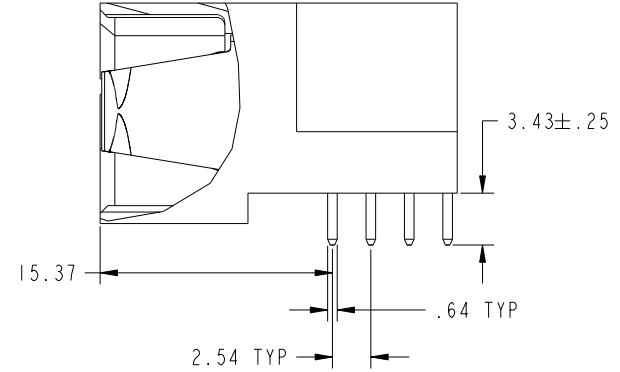


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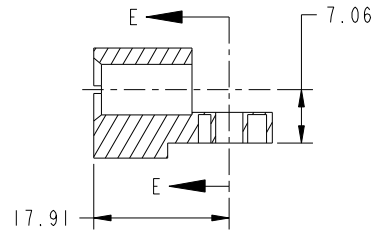
PRODUCT NUMBER
51939-140--
NOTE: 3



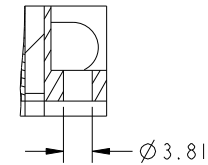
BROKEN-OUT SECTION A-A
SCALE 2:1



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		www.fciconnect.com	
lir	ecn no.	dr	date	linear	0.X ± 0.5	COPY		title	
E				linear	0.XX ± 0.25	projection		9P + 24S	
				angles	0.XXX ± 0.10			RIGHT ANGLE SOLDER HEADER	
				dr	0° ± 2°			product family	
				engr	T. BRUNGARD 10/14/04	MM		PwrBlade	
				chr	M. GRAY 10/14/04	scale		code	
				appd	M. GRAY 10/14/04	1:1		213	
sheet index	revision sheet							A 51939-140	
								sheet 2	
								cage code 28506	

A

A

B

B

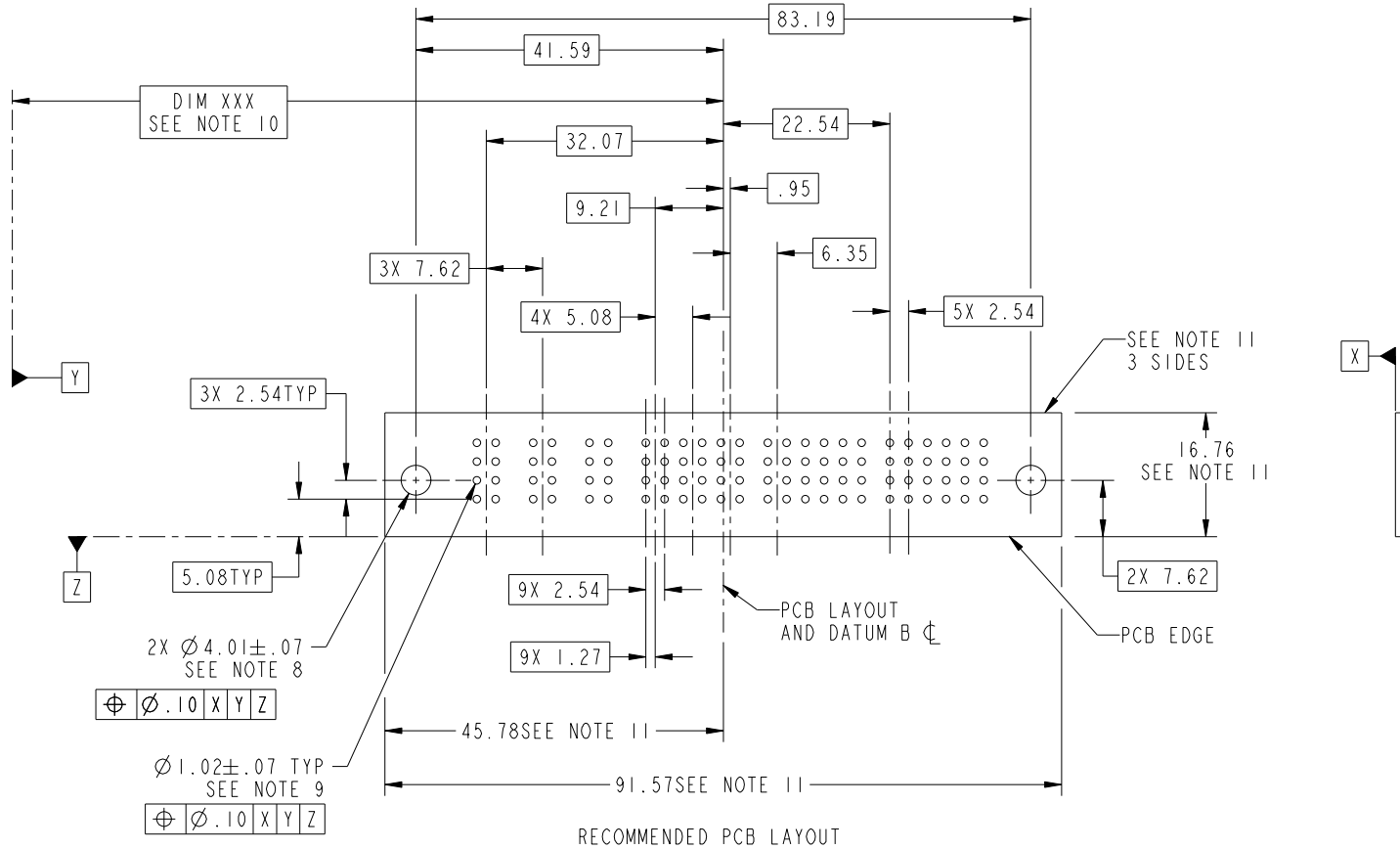
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PRODUCT NUMBER

51939-140--
NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code		SEE NOTE		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ± 0.5	COPY		title	
E				linear	0.XX ± 0.25	projection		9P + 24S	
				angles	0.XXX ± 0.10			RIGHT ANGLE SOLDER HEADER	
				dr	0° ± 2°			product family	
				enrg	T. BRUNGARD 10/14/04	MM		PwrBlade	
				chr	M. GRAY 10/14/04	scale		code	
				appd	M. GRAY 10/14/04	1:1		213	
sheet index	revision sheet							sheet	
								3	
								A 51939-140	

cage code 28506

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1 | 2

3

4

PRODUCT NUMBER

51939-140--
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

$\triangle E$ 3. PLATING:
SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-140; 51939-140LF PRESPECTIVELY

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.

10. $\varnothing 1.151 \pm 0.025$ 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.

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

12. CONNECTOR KEEP-OUT ZONE.

13. A $\triangle E$ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

A

A

B

B

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	
E					0.XX ±0.25	projection		9P + 24S RIGHT ANGLE SOLDER HEADER	
				angles	0.XXX ±0.10			product family	
					0° ±2°			PwrBlade	
				dr	T. BRUNGARD 10/14/04	MM		code	213
				enrg	M. GRAY 10/14/04			size	dwg no
				chr	M. GRAY 10/14/04	scale		A	51939-140
				appd	M. GRAY 10/14/04	1:1		sheet	4
sheet index	revision sheet								

1 | 2

Pro/E

PDM: Rev: E

STAT: Released

Printed: Dec 20, 2010

cage code 2856

4