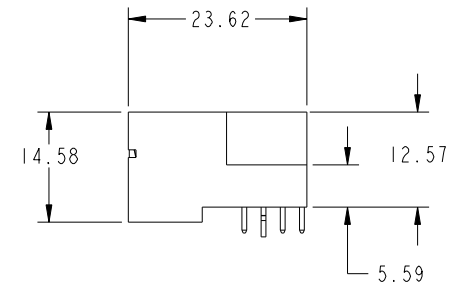
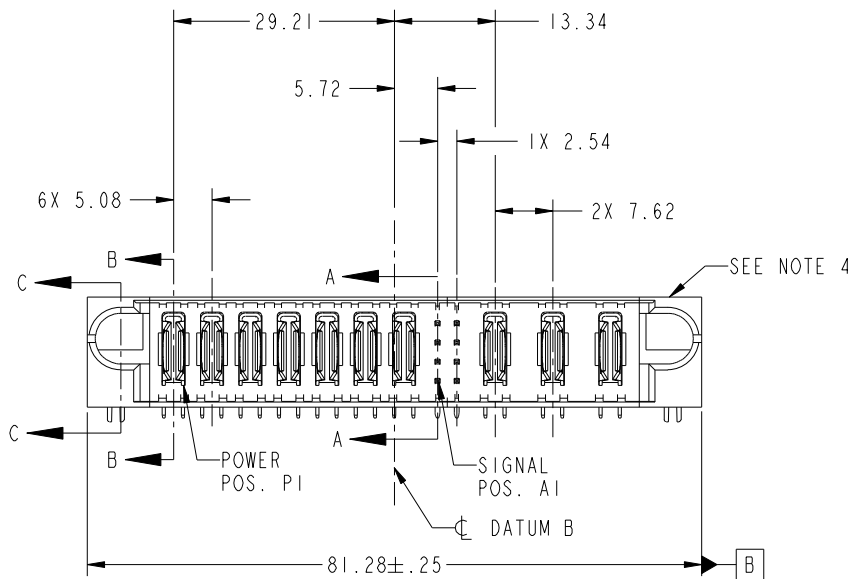




PRODUCT NO.	ROWS	POWER								SGN		POWER			E2
		E1	P1	P2	P3	P4	P5	P6	P7	1	2	P8	P9	P10	
51939-163-- NOTE: 3	D C B A		PA	PA	PA	PA	PA	PA	PA			PA	PA	PA	
															



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PA	[N/A]	POWER
HA	[N/A]	HOLD-DOWN
E	[5.59]	SIGNAL
F	[5.59]	SIGNAL
G	[5.59]	SIGNAL
H	[5.59]	SIGNAL

mat'l code				SEE NOTE		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date					COPY		www.fciconnect.com	
A	DG05-0043	LH	03/14/05	linear		0.X ±0.5		projection		title	
B	DG05-0154	GuoJM	06/28/05			0.XX ±0.25				7P + 8S + 3ACP	
C	DG06-0013	RYAN	01/24/06	angles		0.XXX ±0.10				R/A STB HEADER	
D	DG07-0498	JW	09/15/08	dr	LH	03/14/05				product family PwrBlade	
				enrg	LH	03/14/05				size	code
				chr	VICTOR LIN	03/14/05				dwg no	213
				appd	JOSEPH HSIA	03/14/05				A	51939-163
sheet	revision	D	D	D	D			scale	1:1	sheet 1 of 4	
index	sheet	1	2	3	4						

A

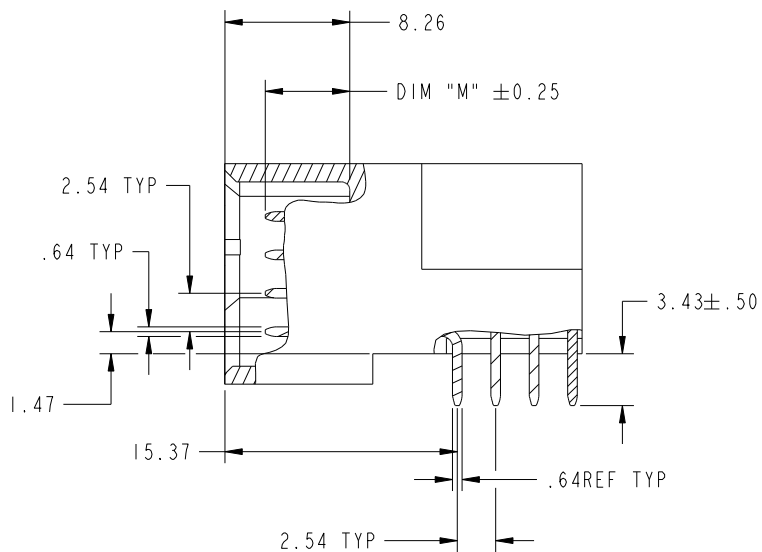
B

A

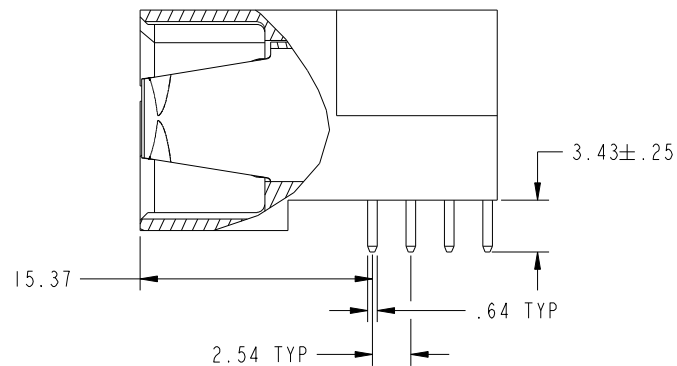
B

PRODUCT NUMBER

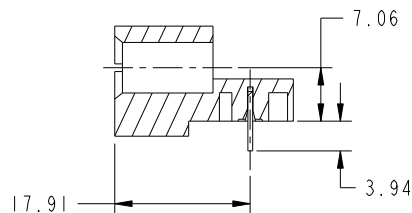
51939-163--
NOTE: 3



BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



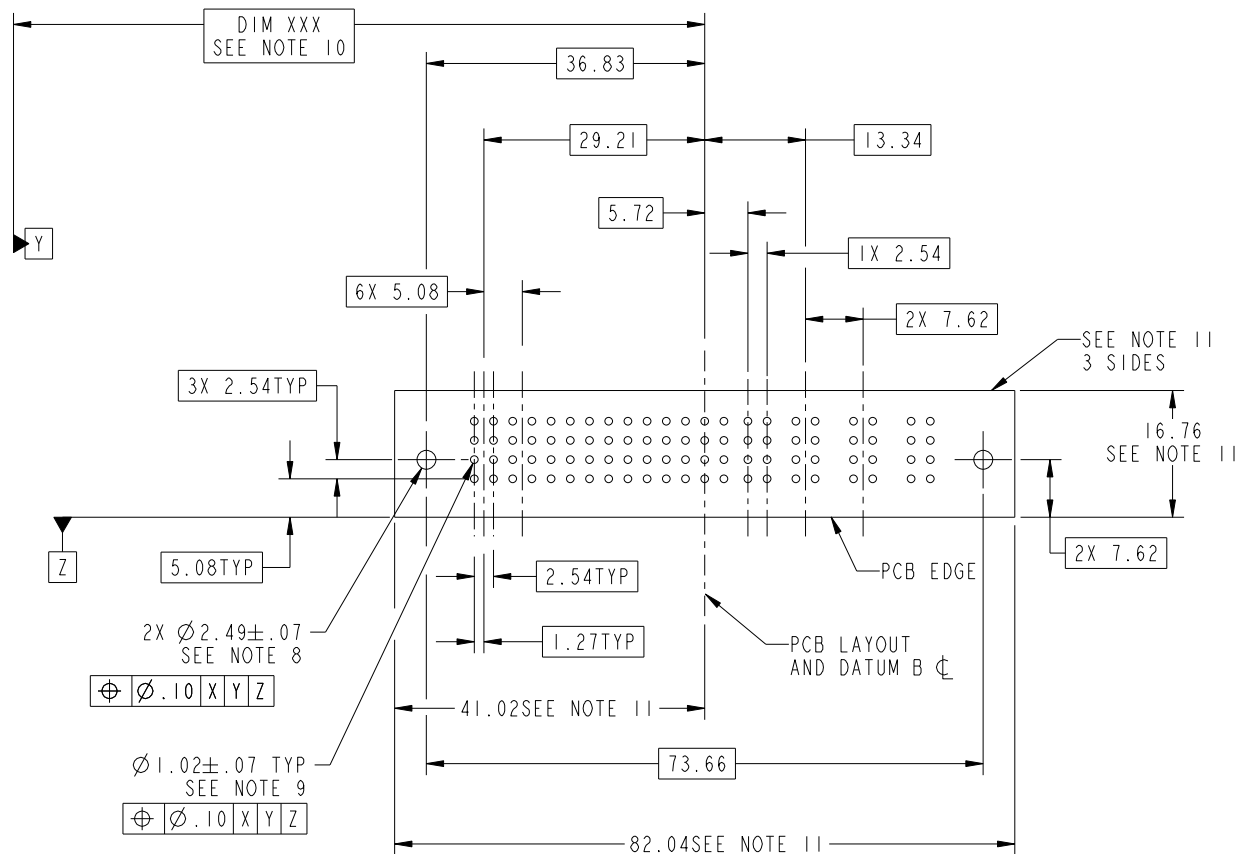
SECTION C-C

mat'l code				SEE NOTE		tolerances unless otherwise specified		CUSTOMER		FCI	
lir	ecn no.	dr	date	linear		0.X ± 0.5		COPY		www.fciconnect.com	
D						0.XX ± 0.25		projection		title	
						0.XXX ± 0.10				7P + 8S + 3ACP	
				angles		0° $\pm 2°$				R/A STB HEADER	
				dr	LH	03/14/05		MM		product family	
				enrg	LH	03/14/05		1:1		PwrBlade	
				chr	VICTOR LIN	03/14/05		size		dwg no	
				appd	JOSEPH HSIA	03/14/05		A		51939-163	
sheet index	revision sheet									code	213
										sheet	2

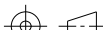


PRODUCT NUMBER

51939-163--
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 7P + 8S + 3ACP R/A STB HEADER		
D					0.XX ±0.25		projection				
					0.XXX ±0.10						
				angles	0° ±2°		 MM scale 1:1		product family		code
				dr	LH	03/14/05			PwrBlade		213
				enrg	LH	03/14/05			size		dwg no
				chr	VICTOR LIN	03/14/05	A		51939-163		3
				appd	JOSEPH HSIA	03/14/05					
sheet index	revision sheet										

cage code 22506

Pro/E

PDM: Rev:D

STATUS: Released

Printed: Dec 20, 2010



1 | 2

3

4

PRODUCT NUMBER

51939-163--
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 51939-163; 51939-163LF 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.
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		www.fciconnect.com	
ltr	ecn no.	dr	date					COPY					
0				linear		$0.X \pm 0.5$		projection		title		7P + 8S + 3ACP	
						$0.XX \pm 0.25$						R/A STB HEADER	
						$0.XXX \pm 0.10$							
				angles		$0^\circ \pm 2^\circ$							
				dr	LH	03/14/05		MM		product family	PwrBlade	code	
				enrg	LH	03/14/05				size	dwg no	213	
				chr	VICTOR LIN	03/14/05		scale		A	51939-163	sheet	4
				appd	JOSEPH HSIA	03/14/05		1:1					
sheet index	revision sheet												

A

A

B

B

1 | 2

Pro/E

PDM: Rev:D

STATUS: Released

Printed: Dec 20, 2010