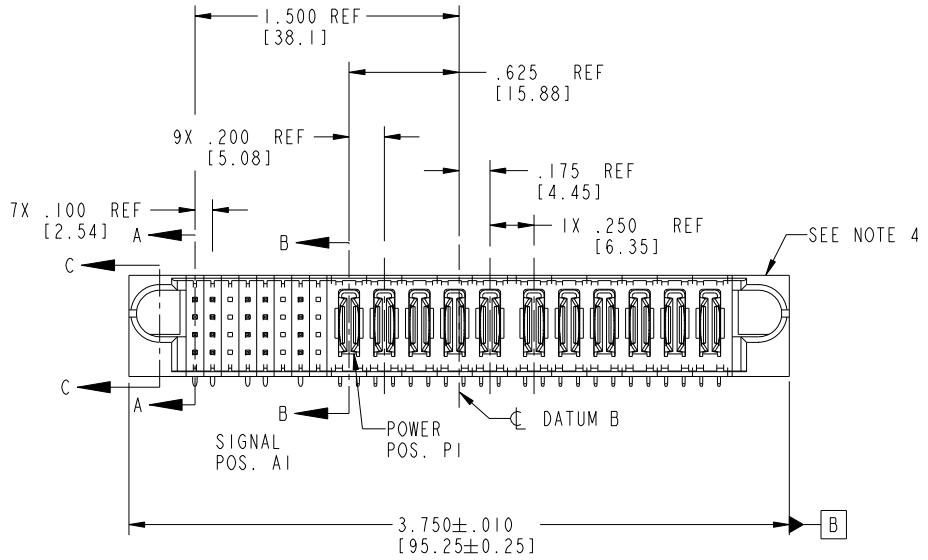
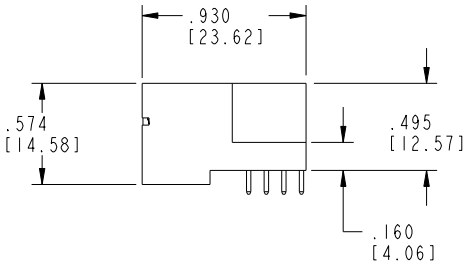
PRODUCT NO.	ROWS	SIGNAL								POWER											SIGNAL
		E1	1	2	3	4	5	6	7	8	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	E2
51939-052__ NOTE: (3)	D	U	U	X	U	U	X	H	X		PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	
	C	T	T	X	T	T	X	T	X													
	B	S	S	X	S	S	X	S	X													
	A	R	R	X	R	R	X	R	X													





CODE	DIM "M" MATING LENGTH	CONTACT TYPE
H	.220 [5.59]	SIGNAL
R	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
U	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER
X	OMITTED	OMITTED

mat'l code	SEE NOTE 2

ltr	ecn no.	dr	date
A	V03-0328	TAB	03/19/03
B	DG05-0231	SJ	07/18/05
C	DG06-0014	JMG	01/10/06
D	DG08-0273	WD	12/30/08

tolerances unless otherwise specified			
linear	.XX±.01/0.X±0.3		
	.XXX±.005/0.XX±0.13		
	.XXXX±.0020/0.XXX±0.051		
angles	0°±2°		
dr	T. BRUNGARD	03/19/03	
engr	M. MOSTOLLER	03/19/03	
chr	M. MOSTOLLER	03/19/03	
appd	M. MOSTOLLER	03/19/03	

sheet index	revision	D	D	D	D
	sheet	1	2	3	4

CUSTOMER COPY

projection

INCH/MM

scale 1:1

FCI www.fciconnect.com

title: 32S + 11P RIGHT ANGLE SOLDER HEADER

product family: PwrBlade

code: 213

size: A

dwg no: 51939-052

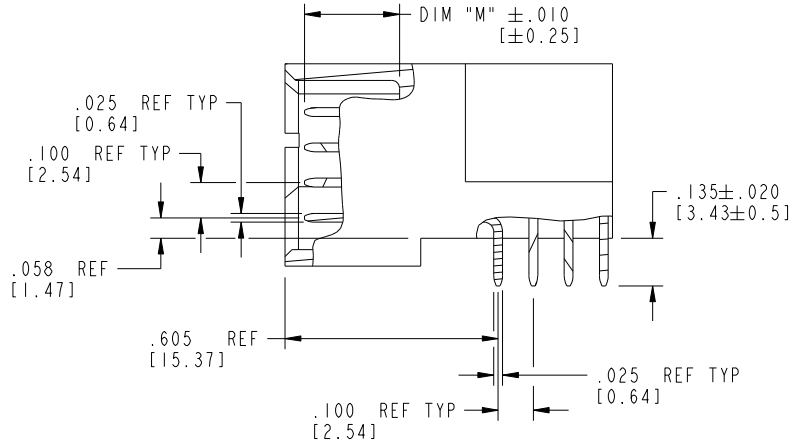
sheet: 1 of 4

cage code: 22526

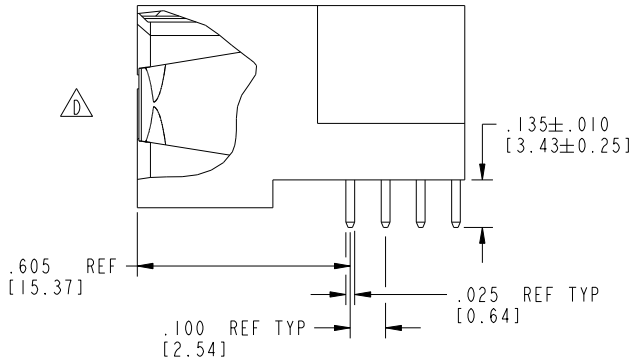
Pro/E

PDM: Rev:D STATUS:Released Printed: Dec 20, 2010

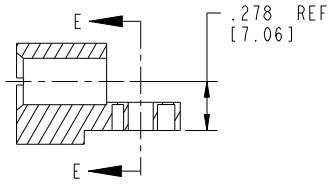
PRODUCT NUMBER
51939-052__ NOTE: (3)



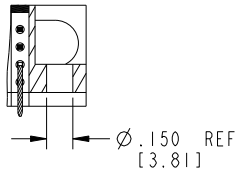
BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C

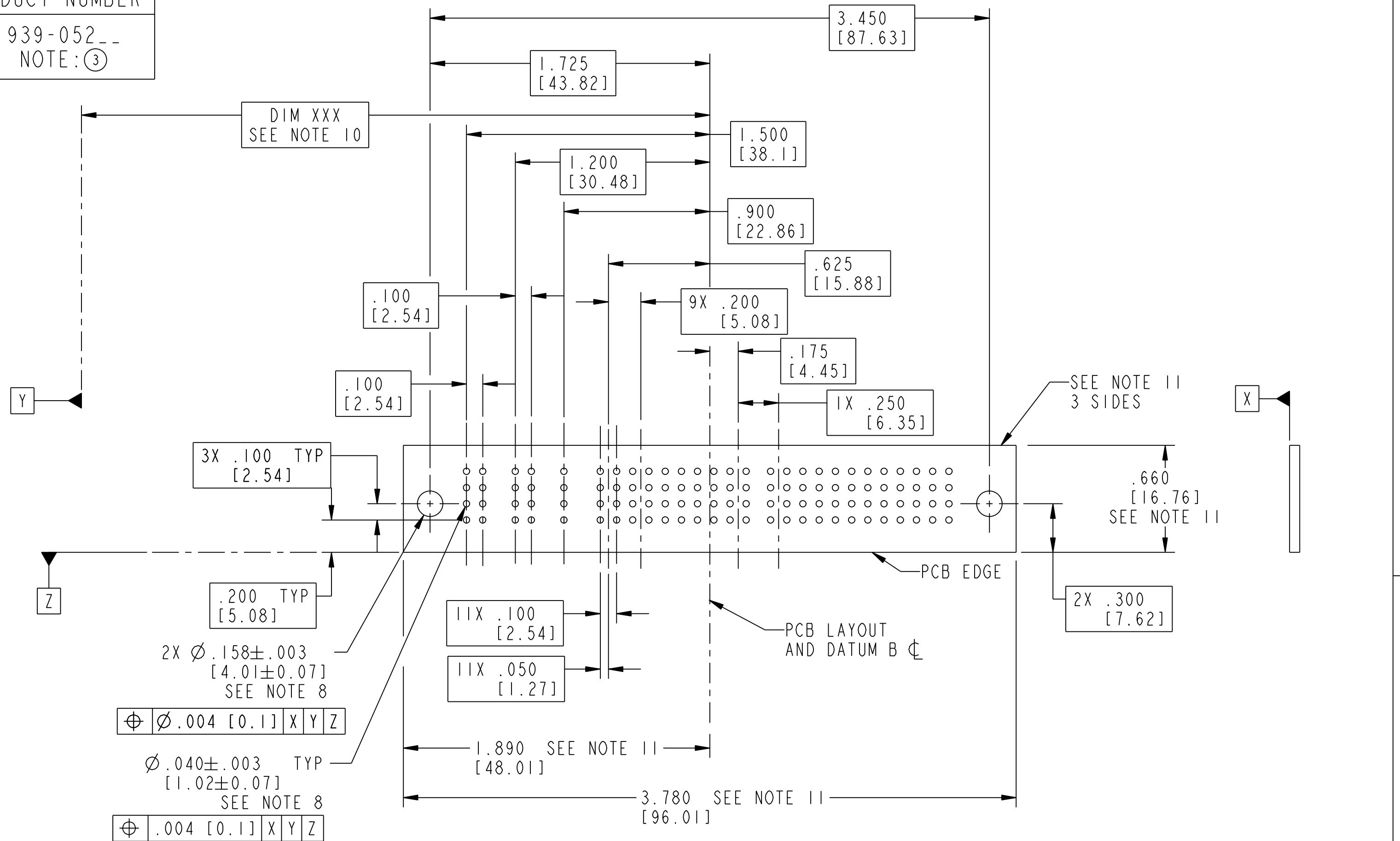


PARTIAL SECTION E-E

mat'l code	SEE NOTE 2	tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr	ecn no. / dr / date	linear	.XX±.01/0.X±0.3	COPY	
D			.XXX±.005/0.XX±0.13	projection	title: 32S + 11P RIGHT ANGLE SOLDER HEADER
			.XXXX±.0020/0.XXX±0.051		
		angles	0° ±2°		
		dr	T. BRUNGARD 03/19/03	INCH/MM	product family: PwrBlade; code: 213
		engr	M. MOSTOLLER 03/19/03		size: A; dwg no: 51939-052; sheet: 2 of 4
		chr	M. MOSTOLLER 03/19/03	scale 1:1	
		appd	M. MOSTOLLER 03/19/03		
sheet index	revision / sheet				cage code 22526

PDM: Rev:D STATUS:Released Printed: Dec 20, 2010

PRODUCT NUMBER
51939-052__ NOTE:(3)



RECOMMENDED PCB LAYOUT

mat'l code	SEE NOTE 2	tolerances unless otherwise specified		CUSTOMER COPY
ltr / ecn no. / dr / date		linear	.XX±.01/0.X±0.3; .XXX±.005/0.XX±0.13; .XXXX±.0020/0.XXX±0.051	projection
D		angles	0°±2°	
		dr	T. BRUNGARD 03/19/03	INCH/MM
		engr	M. MOSTOLLER 03/19/03	
		chr	M. MOSTOLLER 03/19/03	scale 1:1
		appd	M. MOSTOLLER 03/19/03	
sheet index	revision sheet			

FCI	www.fciconnect.com	
title	32S + 11P RIGHT ANGLE SOLDER HEADER	
product family	PwrBlade	code 213
size A	dwg no 51939-052	sheet 3 of 4

Pro/E

cage code 22526

PDM: Rev:D STATUS: Released Printed: Dec 20, 2010

PRODUCT NUMBER
51939-052__ 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

△D (3) SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-052 AND 51939-052LF RESPECTIVELY.

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. Ø.0453±.0010 [1.151±0.025] DRILLED HOLES PLATED WITH .0003 [0.008] MIN SnPb OVER .001 [0.03] TO .003 [0.08] Cu PLATING TO ACHIEVE Ø.040±.003 [1.02±.07] HOLE.

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

11. CONNECTOR KEEP-OUT ZONE.

12. A △D SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l code	SEE NOTE 2	tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr / ecn no. / dr / date		linear	.XX±.01/0.X±0.3	COPY	
D			.XXX±.005/0.XX±0.13	projection	title: 32S + 1IP RIGHT ANGLE SOLDER HEADER
			.XXXX±.0020/0.XXX±0.051		
		angles	0° ±2°		
		dr	T. BRUNGARD 03/19/03	INCH/MM	product family: PwrBlade; code: 213
		engr	M. MOSTOLLER 03/19/03		size: A; dwg no: 51939-052; sheet: 4 of 4
		chr	M. MOSTOLLER 03/19/03	scale 1:1	
		appd	M. MOSTOLLER 03/19/03		
sheet index / revision / sheet					cage code 22526

PDM: Rev:D STATUS:Released Printed: Dec 20, 2010