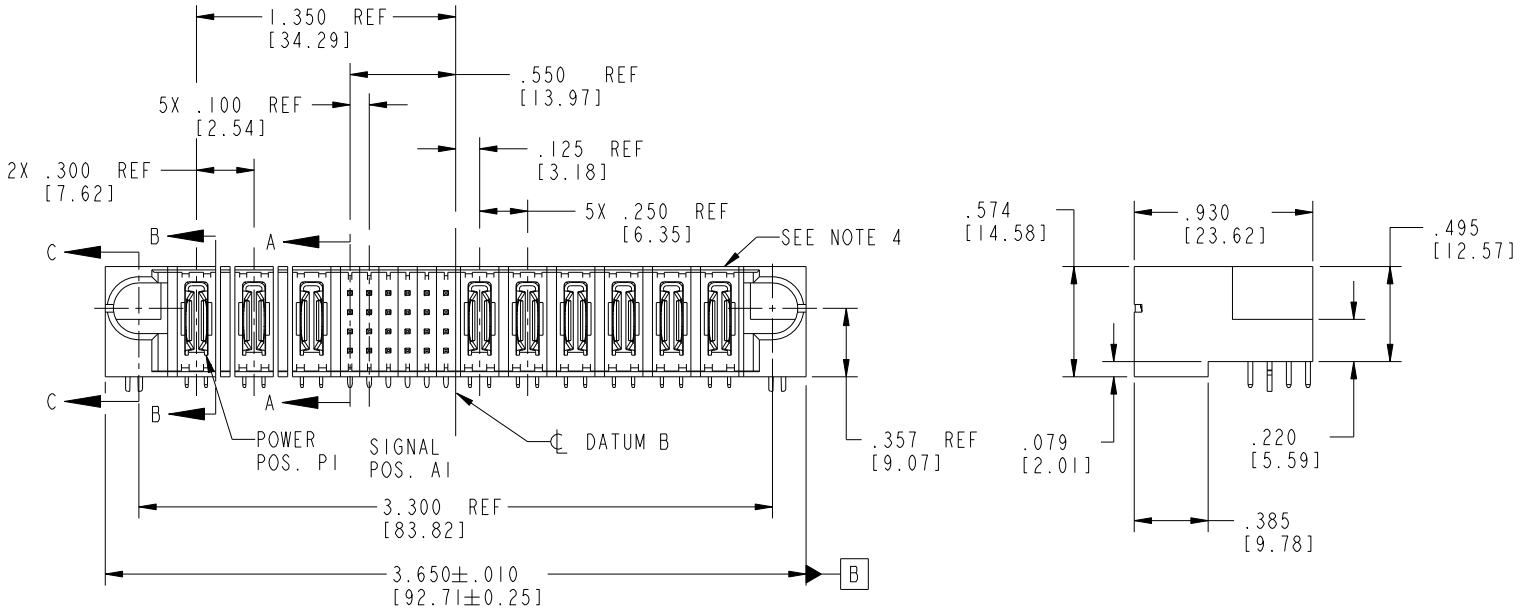
Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation ecrite du propietaire.
Propriete de c FCI. Droits de reproduction FCI.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor.
Property of FCI. Copyright FCI.

PRODUCT NO.	ROWS	POWER			SIGNAL						POWER						
		E1	P1	P2	P3	1	2	3	4	5	6	P4	P5	P6	P7	P8	P9	E2
51939-210__ NOTE 3	D C B A	HA	PA	PA	PA	U T S E	U T S R	U T S R	U T S R	U T S R	U T S R	PA	PA	PA	PA	PA	PA	HA



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
U	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
R	.270 [6.86]	SIGNAL
E	.220 [5.59]	SIGNAL
PA	N/A [N/A]	POWER
HA	N/A [N/A]	HOLD-DOWN

mat'l code	SEE NOTE 2

ltr	ecn no.	dr	date
A	DG05-0410	CS	10/24/05
B	DG06-0013	RYAN	01/27/06
C	DG08-0272	W D	09/25/08

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	CS	10/24/05
engr	STEVEN WANG	10/24/05
chr	VICTOR LIN	10/24/05
appd	JOSEPH HSIA	10/24/05

sheet index	revision	C	C
	sheet	1	2

C	C
3	4

CUSTOMER COPY

projection

INCH/MM

scale 1:1

www.fciconnect.com

title: 3ACP + 24S + 6P RIGHT ANGLE SOLDER HEADER

product family: PwrBlade

code: 213

size: A

dwg no: 51939-210

sheet: 1 of 4

cage code: 22526

PDM: Rev:C

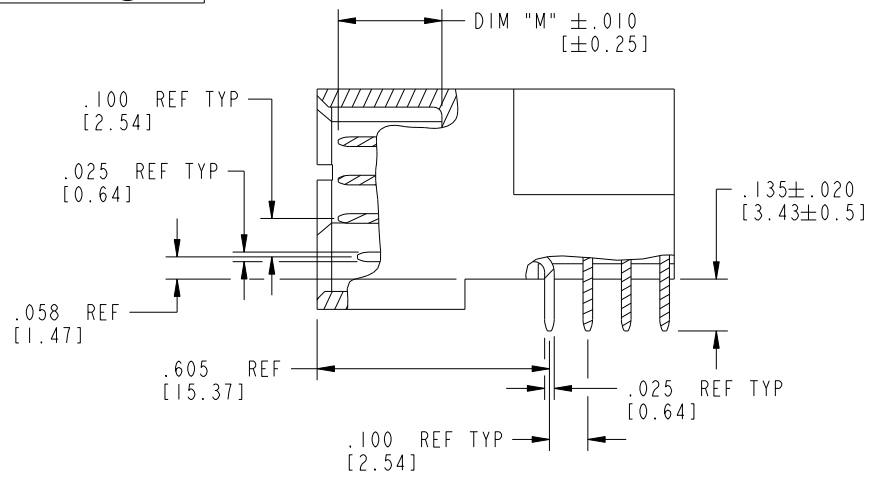
STATUS: Released

Printed: Dec 20, 2010

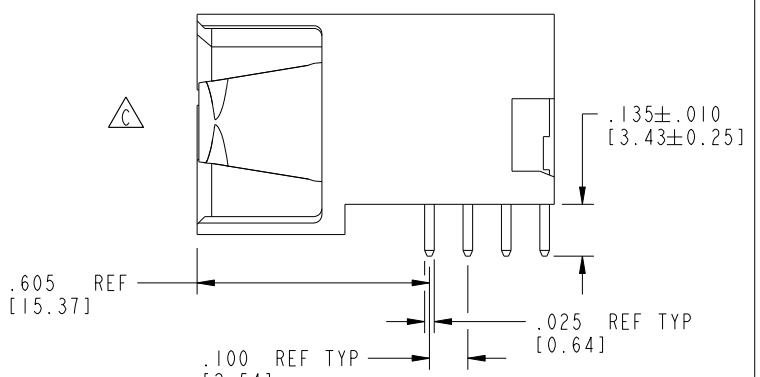
Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation ecrite du propietaire.
Propriete de c FCI. Droits de reproduction FCI.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor.
Property of FCI. Copyright FCI.

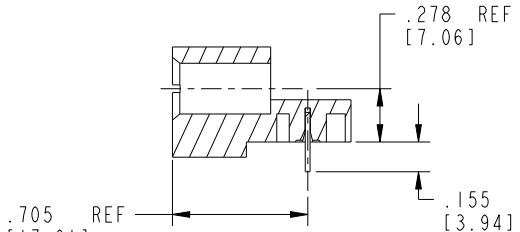
PRODUCT NUMBER
51939-210__ NOTE (3)



BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



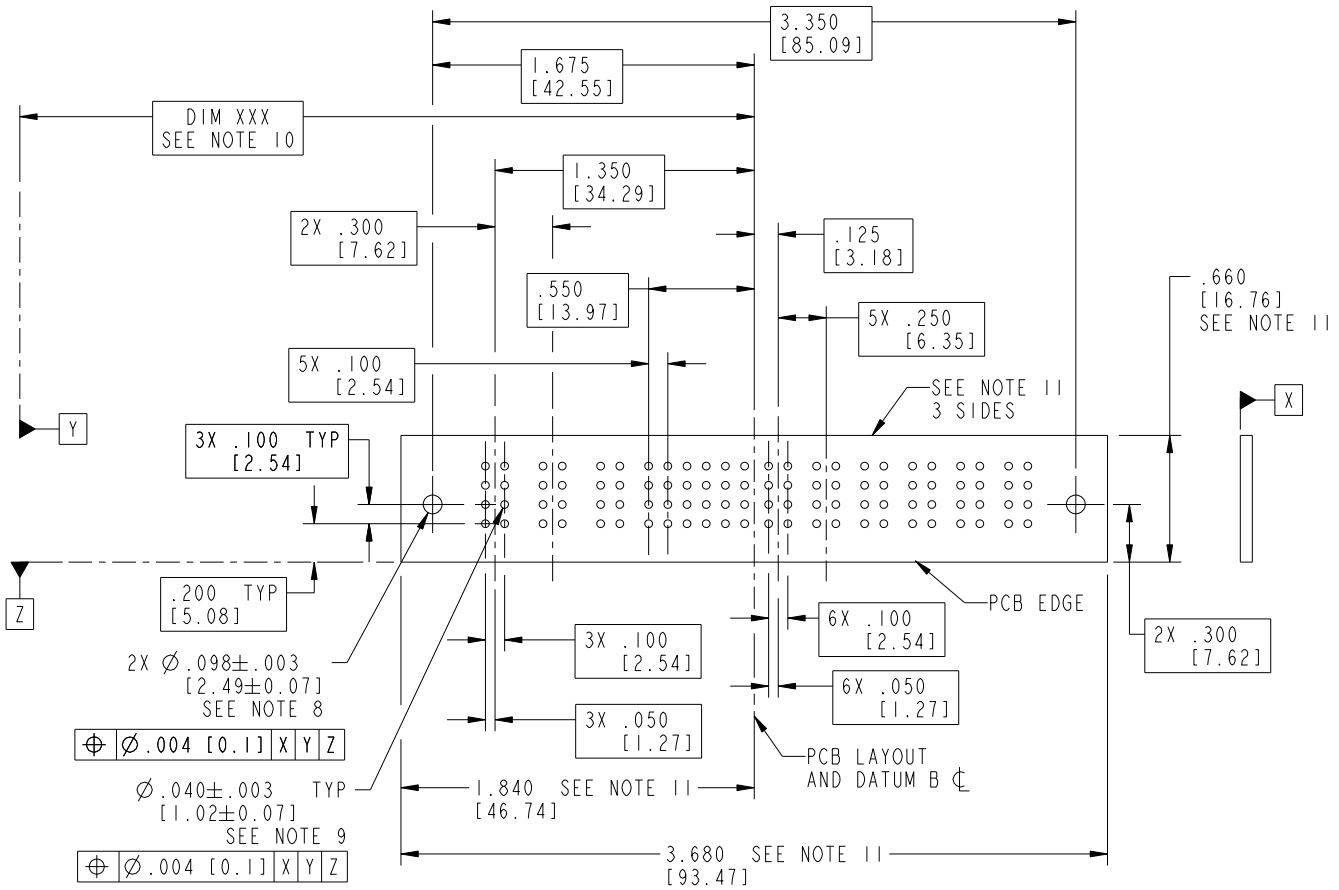
SECTION C-C

mat'l code	SEE NOTE 2	tolerances unless otherwise specified		CUSTOMER	www.fciconnect.com
ltr / ecn no. / dr / date		linear	.XX±.01/0.X±0.3	COPY	
C			.XXX±.005/0.XX±0.13	projection	title: 3ACP + 24S + 6P RIGHT ANGLE SOLDER HEADER
			.XXXX±.0020/0.XXX±0.051		
		angles	0° ±2°		
		dr	CS 10/24/05	INCH/MM	product family: PwrBlade; code: 213
		engr	STEVEN WANG 10/24/05		size: A; dwg no: 51939-210; sheet: 2 of 4
		chr	VICTOR LIN 10/24/05	scale 1:1	
		appd	JOSEPH HSIA 10/24/05		
sheet index	revision / sheet				cage code 32526

Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation ecrite du propietaire.
Propriete de c FCI. Droits de reproduction FCI.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor.
Property of FCI. Copyright FCI.

PRODUCT NUMBER
51939-210__ NOTE (3)



RECOMMENDED PCB LAYOUT

mat'l code	SEE NOTE 2			tolerances unless otherwise specified			CUSTOMER	FCI			
ltr	ecn no.	dr	date				COPY		www.fciconnect.com		
C				linear	.XX±.01/0.X±0.3		projection	title	3ACP + 24S + 6P RIGHT ANGLE SOLDER HEADER		
					.XXX±.005/0.XX±0.13						
					.XXXX±.0020/0.XXX±0.051						
				angles	0° ±2°						
				dr	CS	10/24/05	INCH/MM	product family	PwrBlade	code	213
				engr	STEVEN WANG	10/24/05		size	dwg no		
				chr	VICTOR LIN	10/24/05	scale	A	51939-210		
				appd	JOSEPH HSIA	10/24/05	1:1			sheet	3 of 4
sheet index	revision										
	sheet										

Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation ecrite du propietaire.
Propriete de c FCI. Droits de reproduction FCI.

All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor.
Property of FCI. Copyright FCI.

PRODUCT NUMBER
51939-210__ 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

△C 3. SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-210 AND 51939-210LF 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 △C 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

ltr	ecn no.	dr	date
C			

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	CS	10/24/05
engr	STEVEN WANG	10/24/05
chr	VICTOR LIN	10/24/05
appd	JOSEPH HSIA	10/24/05

sheet index	revision	
	sheet	

CUSTOMER COPY

projection

INCH/MM

scale 1:1

FCI www.fciconnect.com

title 3ACP + 24S + 6P RIGHT ANGLE SOLDER HEADER

product family	PwrBlade	code 213
size A	dwg no 51939-210	sheet 4 of 4

cage code 32536

Pro/E

PDM: Rev:C

STATUS: Released

Printed: Dec 20, 2010