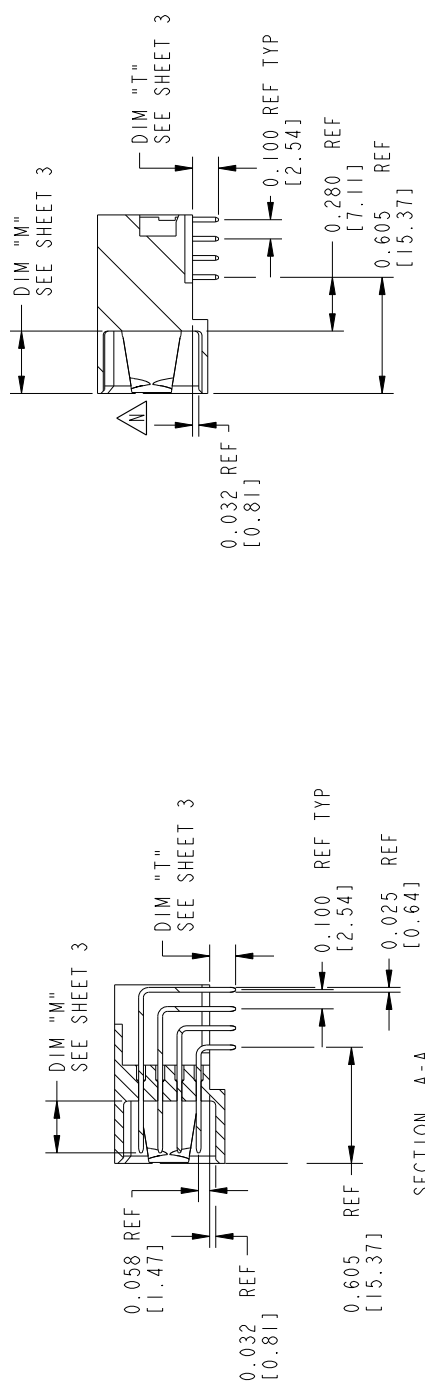


PRODUCT NUMBER
51415-00X--

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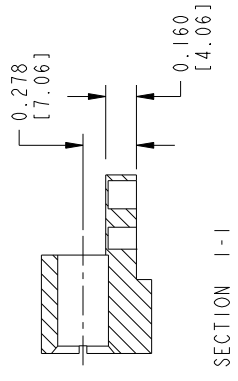


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SECTION A-A
SCALE 1:1

A



SECTION B-B
SCALE 1:1

B

mat'l code				SEE NOTES		tolerances unless otherwise specified		CUSTOMER		FCI	
lir	ecn no.	dr	date	linear		.XX±.01/0.X±0.3	COPY	projection		www.fciconnect.com	
N				angles		.XXX±.005/0.XX±0.13				IP + 24S + IP	
						.XXX±.0005/0.XXX±.051				Right Angle Solder Header	
				dr		0°±2°				product family PWRBLADE	
				engr		C. BAROT 01-12-99				size 213	
				chr		J. BROWN 01-12-99				sheet 2 of 5	
				appd		J. BROWN 01-12-99				code A	
sheet index	revision	sheet								A	

Pro/E

code code 51415

STATUS: **Released** Printed: Dec 20, 2010

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1 | 2

3

4

PRODUCT NUMBER
51415-00X--

ITEM NO.	QTY	DIM "M" MATING LENGTH ±.010	DIM "T" TAIL LENGTH ±.020	CONTACT TYPE
PA	2	N/A	[N/A]	POWER
F	1	0.220	[5.59]	0.135 [3.43] SIGNAL
R	6	0.270	[6.86]	0.135 [3.43] SIGNAL
S	5	0.270	[6.86]	0.135 [3.43] SIGNAL
T	6	0.270	[6.86]	0.135 [3.43] SIGNAL
U	6	0.270	[6.86]	0.135 [3.43] SIGNAL

PRODUCT No.	ROWS	POWER	SIGNAL	POWER
51415-001-- NOTE(3)	D C B A	PA PS	UUUUUU TTTTTT SSSSSS RRRRRR	PA PS

ITEM NO.	QTY	DIM "M" MATING LENGTH ±.010	DIM "T" TAIL LENGTH ±.020	CONTACT TYPE
PS	2	N/A	[N/A]	POWER
E	6	0.220	[5.59]	0.135 [3.43] SIGNAL
F	5	0.220	[5.59]	0.135 [3.43] SIGNAL
G	6	0.220	[5.59]	0.135 [3.43] SIGNAL
H	6	0.220	[5.59]	0.135 [3.43] SIGNAL
S	1	0.270	[6.86]	0.135 [3.43] SIGNAL

PRODUCT No.	ROWS	POWER	SIGNAL	POWER
51415-002-- NOTE(3)	D C B A	PS PS	HHHHHH GGGGGG FFFFFF EEEEEE	PS PS

ITEM NO.	QTY	DIM "M" MATING LENGTH ±.010	DIM "T" TAIL LENGTH ±.020	CONTACT TYPE
PS	2	N/A	[N/A]	POWER
F	1	0.220	[5.59]	0.135 [3.43] SIGNAL
R	6	0.270	[6.86]	0.135 [3.43] SIGNAL
S	5	0.270	[6.86]	0.135 [3.43] SIGNAL
T	6	0.270	[6.86]	0.135 [3.43] SIGNAL
U	6	0.270	[6.86]	0.135 [3.43] SIGNAL

PRODUCT No.	ROWS	POWER	SIGNAL	POWER
51415-003-- NOTE(3)	D C B A	PS PS	UUUUUU TTTTTT SSSSSS RRRRRR	PS PS

mat'l code		SEE NOTES		tolerances unless otherwise specified		CUSTOMER	
lir	ecn no.	dr	date	linear	.XX±.01/0.X±0.3 .XXX±.005/0.XX±0.13 .XXX±.0005/0.XXX±.051	COPY	FCI www.fciconnect.com
N				angles	0°±2°	projection	title IP + 24S + IP
				dr	01-12-99	INCH/MM	Right Angle Solder Header
				engr	J. BROWN 01-12-99	product family	PWRBLADE
				chr	J. BROWN 01-12-99	size	code 213
				appd	J. BROWN 01-12-99	scale	sheet 3 of 5
sheet index	revision	sheet				1:1	A
							51415

1 | 2

Pro/E

PDM: Rev: N

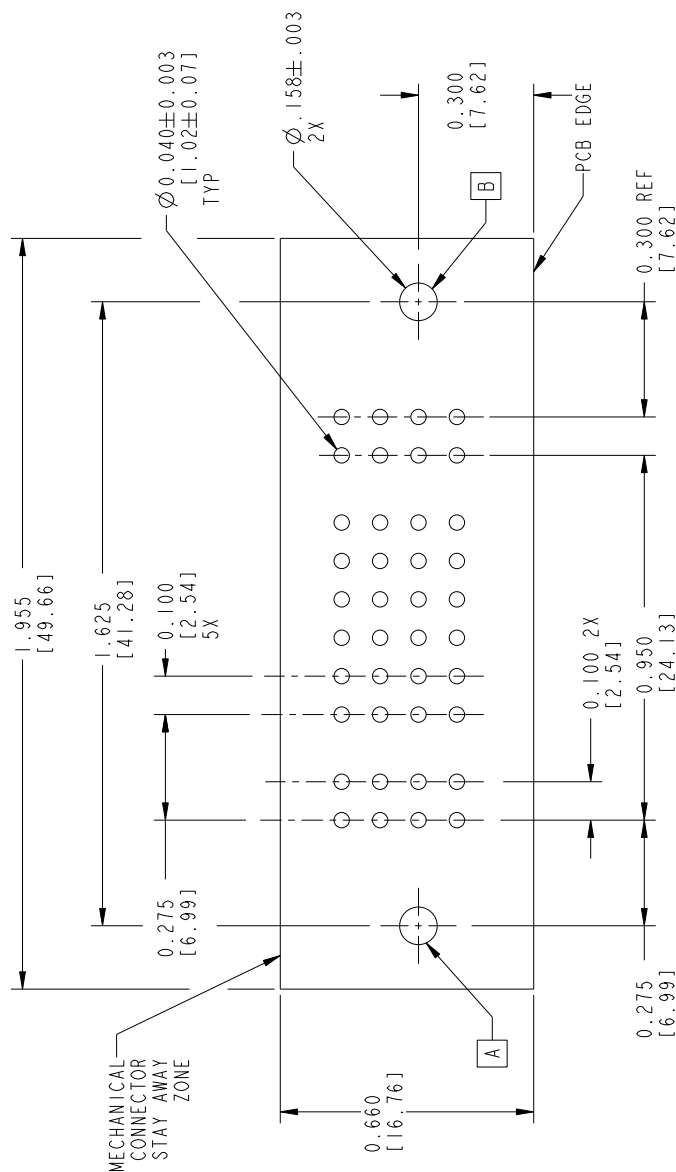
STATUS: Released

Printed: Dec 20, 2010

PRODUCT NUMBER
51415-00X--

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SCALE 2:1

RECOMMENDED PCB LAYOUT

mat'l code			SEE NOTES		tolerances unless otherwise specified		CUSTOMER	FCI	www.fciconnect.com
lir	ecn no.	dr	date	linear	angles	projection			
N					.XX±.005/0 .XX±0.13	projection		title IP + 24S + IP Right Angle Solder Header	code 213
					.XXXX±.0005/0 .XXXX±.051				
					0° ± 2°			product family PWRBLADE	size 51415
					C. BAROT 01-12-99			scale 1:1	A
					J. BROWN 01-12-99				
					J. BROWN 01-12-99				sheet
					J. BROWN 01-12-99				4 of 5
sheet index	revision								
	sheet								

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3

4

PRODUCT NUMBER
51415-00X--

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. SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51415-00X AND 51415-00XLF 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.

PCB NOTES:

6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

7. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

8. $\varnothing.0453 \pm 0.0010$ [1.151 $\pm$ 0.025] DRILLED HOLES PLATED WITH
.0003 [0.008] MIN SnPb OVER .001 [0.03]
TO .003 [0.08] Cu PLATING TO ACHIEVE
 $\varnothing.040 \pm .003$ [1.02 $\pm$.07] HOLE.

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

10. CONNECTOR KEEP-OUT ZONE.

11. A  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 NOTES		tolerances unless otherwise specified			CUSTOMER	FCI			
lir	ecn no.	dr	date	linear	.XX $\pm$.01/0.X $\pm$ 0.3 .XXX $\pm$.005/0.XX $\pm$ 0.13 .XXXX $\pm$.0005/0.XXX $\pm$.051	$0^\circ \pm 2^\circ$	COPY			title	www.fciconnect.com	
N					linear			projection	IP + 24S + IP			
					angles				Right Angle Solder Header			
					dr	C. BAROT	01-12-99		product family	PWRBLADE	code	
					engr	J. BROWN	01-12-99		size		213	
					chr	J. BROWN	01-12-99	scale	dwg no	51415	sheet	
					appd	J. BROWN	01-12-99	1:1	A		5 of 5	
sheet index	revision	sheet										

Pro/E

code code

PDM: Rev: N

STATUS: Released

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