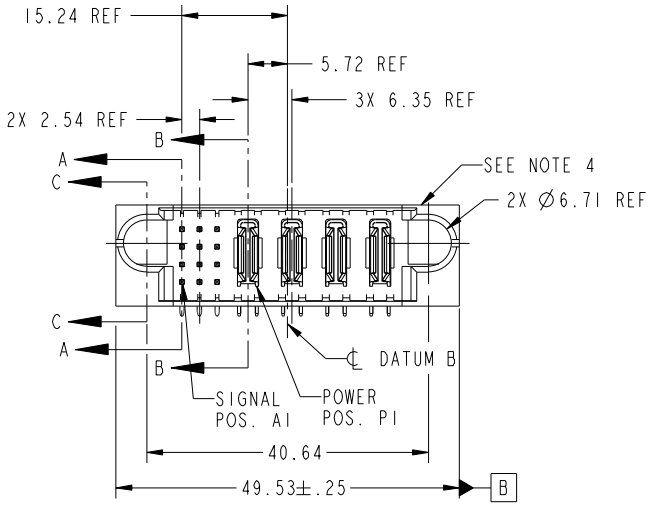
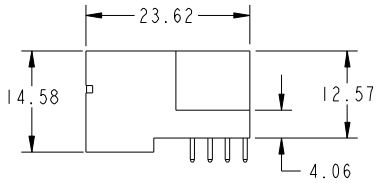
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PRODUCT NO.	ROWS	SIGNAL			POWER				
		E1	1	2	3	P1	P2	P3	P4	E2
51731-042__ NOTE 3	D C B A		U T S R	U T S R	U T S R	PA	PA	PA	PA	





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

mat'l code	SEE NOTE

ltr	ecn no.	dr	date
A	DG06-0516	JMG	12/05/06

sheet	revision	A	A
index	sheet	1	2

tolerances unless otherwise specified		
linear	0.X ±0.3	
	0.XX ±0.13	
	0.XXX ±0.051	
angles	0° ±2°	
dr	JM GUO	12/05/06
engr	YUAN RYAN	12/05/06
chr	BEER FU	12/05/06
appd	JOSEPH HSIA	12/05/06

A	A
3	4

CUSTOMER

COPY

projection

MM

scale 1:1

www.fciconnect.com

title: 12S + 4P RIGHT ANGLE SOLDER HEADER

product family: PwrBlade

code: 213

size: A

dwg no: 51731-042

sheet: 1 of 4

cage code: 22526

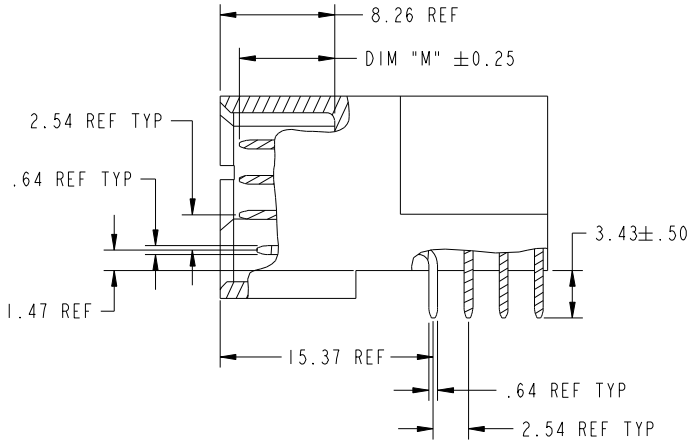
Pro/E

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

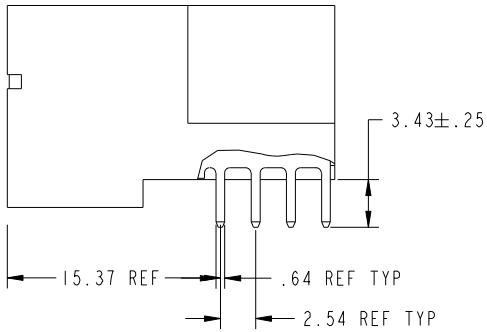
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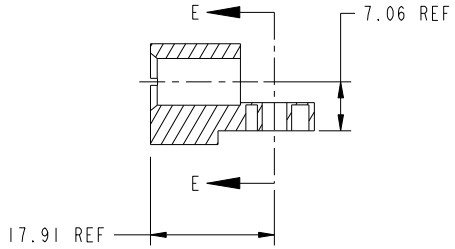
PRODUCT NUMBER
51731-042__ NOTE: 3



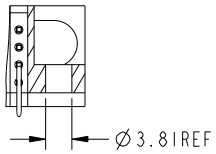
BROKEN-OUT SECTION A-A
SCALE 2:1



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	FCI www.fciconnect.com
ltr	ecn no. / dr / date	linear	0.X ±0.3	COPY	
A			0.XX ±0.13	projection	title: 12S + 4P RIGHT ANGLE SOLDER HEADER
			0.XXX ±0.051		
		angles	0° ±2°		
		dr	JM GUO 12/05/06	MM	product family: PwrBlade / code: 213
		engr	YUAN RYAN 12/05/06		size: A / dwg no: 51731-042 / sheet: 2 of 4
		chr	BEER FU 12/05/06	scale	
		appd	JOSEPH HSIA 12/05/06	1:1	
sheet index / revision sheet					cage code: 22526

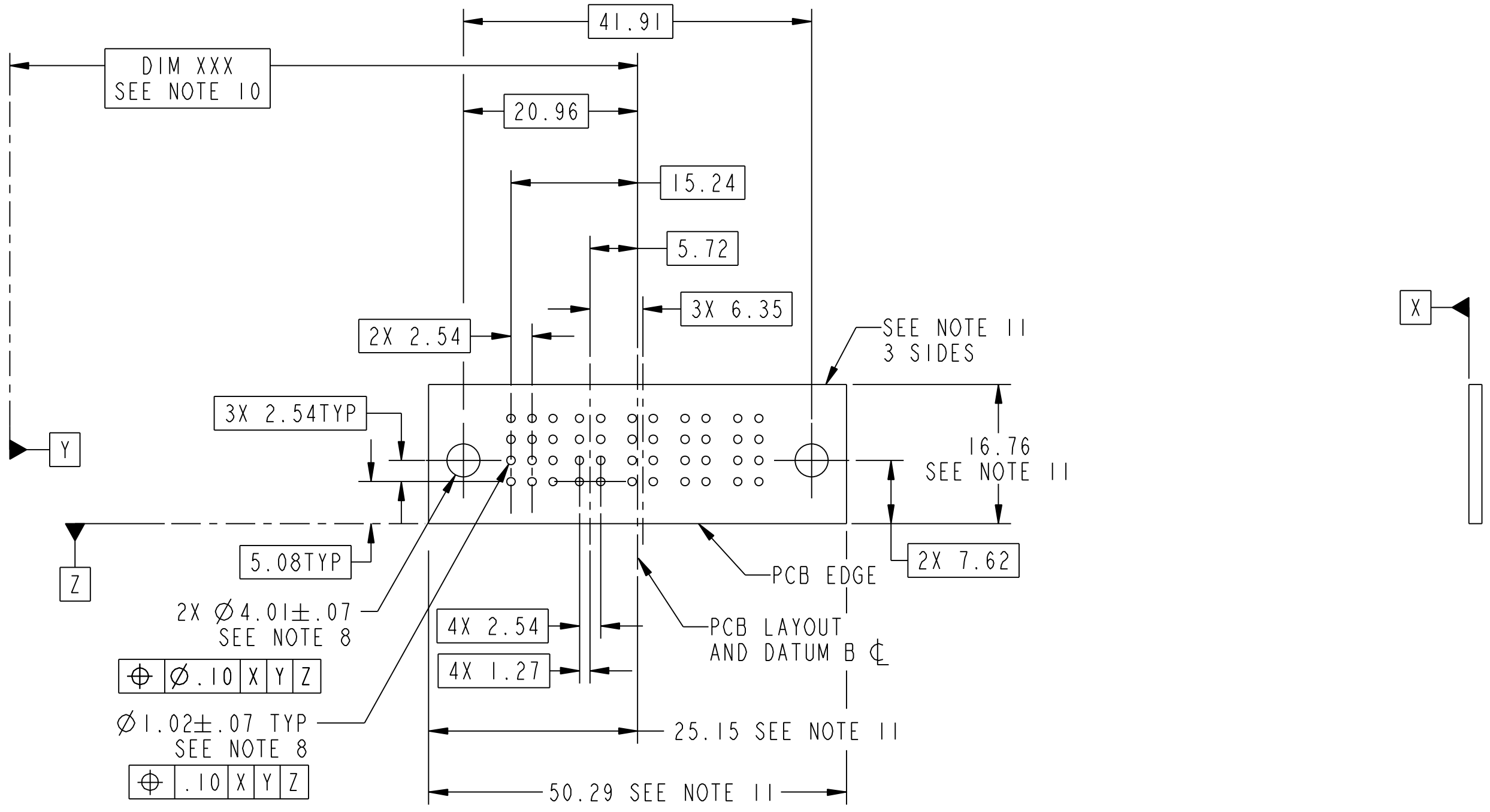
Pro/E

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

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PRODUCT NUMBER
51731-042__ NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code	SEE NOTE	tolerances unless otherwise specified		CUSTOMER	FCI www.fciconnect.com
ltr / ecn no. / dr / date		linear	0.X ±0.3	COPY	
A			0.XX ±0.13	projection	title: 12S + 4P RIGHT ANGLE SOLDER HEADER
			0.XXX ±0.051		
		angles	0° ±2°		
		dr	JM GUO 12/05/06	MM	product family: PwrBlade; code: 213
		engr	YUAN RYAN 12/05/06		size: A; dwg no: 51731-042
		chr	BEER FU 12/05/06	scale 1:1	sheet 3 of 4
		appd	JOSEPH HSIA 12/05/06		
sheet index	revision sheet				

Pro/E

cage code 22526

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PRODUCT NUMBER
51731-042__ 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. 51731-042;51731-042LF;51731-042GLF PLATING SPEC. SEE PRINT:10064183

(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.) Ø1.151±0.025 DRILLED HOLES PLATED WITH
0.008 MIN SnPb OR Sn OVER 0.03
TO 0.08 Cu PLATING TO ACHIEVE
Ø1.02±.07 HOLE.

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

(11.) CONNECTOR KEEP-OUT ZONE.

mat'l code	SEE NOTE

ltr	ecn no.	dr	date
A			

sheet	revision
index	sheet

tolerances unless otherwise specified		
linear	0.X ±0.3	
	0.XX ±0.13	
	0.XXX ±0.051	
angles	0° ±2°	
dr	JM GUO	12/05/06
engr	YUAN RYAN	12/05/06
chr	BEER FU	12/05/06
appd	JOSEPH HSIA	12/05/06

CUSTOMER COPY

projection

MM

scale 1:1

www.fciconnect.com

title: 12S + 4P RIGHT ANGLE SOLDER HEADER

product family: PwrBlade

code: 213

size: A

dwg no: 51731-042

sheet: 4 of 4

Pro/E

cage code: 22526

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