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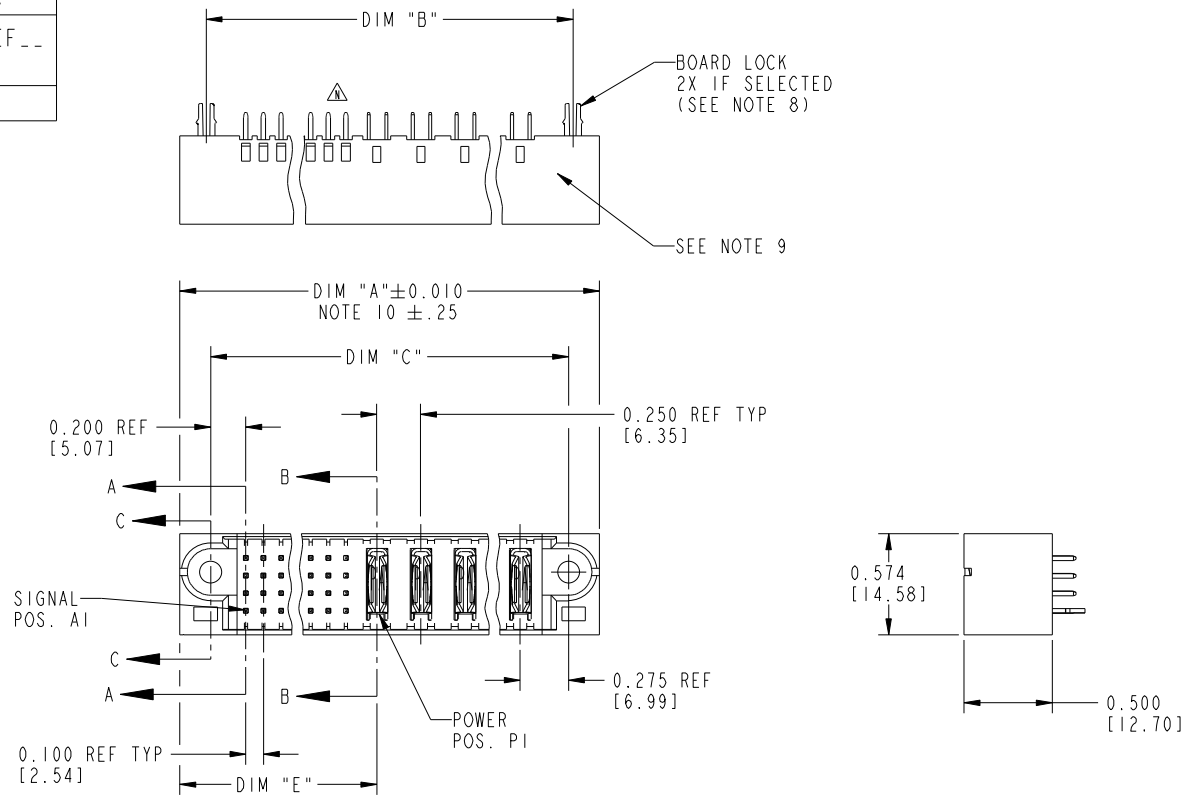
PRODUCT NUMBER
51701-A00CCCDDEF__ Note: (1)
SEE NOTE 1



mat'l code	SEE NOTE 2	tolerances unless otherwise specified		CUSTOMER
			.XX±.01/0.X±0.3	COPY
		linear	.XXX±.005/0.XX±0.13	projection
			.XXXX±.0020/.XXX±.051	
		angles	0°±2°	INCH/MM
		dr	JRW 10-15-01	
		engr	J.ALLISON 10-15-01	scale 1:1
		chr	J.ALLISON 10-15-01	
		appd	J.ALLISON 10-15-01	

ltr	ecn no.	dr	date
J	DG05-0132	SJ	05/30/05
K	DG06-0505	CS	01/13/05
L	DG08-0239	JC	09/11/08
M	DG09-0231	JW	07/14/09
N	DG10-0078	AL	02/23/10

sheet index	revision	N	N
	sheet	1	2

N
3

www.fciconnect.com

title: VERTICAL HEADER w/ GUIDE PIN SIGNAL / POWER

product family: PWRBLADE | code: 213

size: A | dwg no: 51701 | sheet: 1 of 3

cage code: 22526

Pro/E

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

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PRODUCT NUMBER
51701-A00CCCDDEF__ Note: (1)
SEE NOTE 1

DIM	LENGTH FORMULAS (SEE NOTE 10)
DIM "A"	.100 [2.54] x (CCC/4) + .250 [6.35] x DD + .650 [16.51] (NOTE 10)
DIM "B"	.100 [2.54] x (CCC/4) + .250 [6.35] x DD + .350 [8.89]
DIM "C"	.100 [2.54] x (CCC/4) + .250 [6.35] x DD + .300 [7.62]
DIM "E"	.100 [2.54] x (CCC/4) + .450 [11.43]
DIM "F"	.100 [2.54] x (CCC/4) + .250 [6.35] x DD + .680 [17.27]
DIM "H"	.100 [2.54] x (CCC/4) + .250 [6.35]

CONNECTOR NOTES

(1) PRODUCT NUMBER CODE:
51701 - A 00 CCC DD E F LF
- LF: NO THIS SUFFIX:100u"/2.54um SnPb ON PCB INTERFACE; ADD THIS SUFFIX:78u"/2.00um Sn ON PCB INTERFACE
- F: RETENTION TO PCB (NOTE 8)
- E: TAIL OPTIONS (NOTE 7)
- DD: NUMBER OF RIGHT END POWER CONTACTS (NOTE 6)
- CCC: NUMBER OF SIGNAL CONTACTS (NOTE 5)
- 00: ALWAYS '00' (ZERO, ZERO)(NOTE 4)
- A: PLATING (NOTE 3)
- 51701: BASE NUMBER

(2) HOUSING MATERIAL: UL94 V-0 GLASS FILLED HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
POWER CONTACT MATERIAL: COPPER ALLOY

(3) PLATING OPTION:
1=SEE PRINT 10064183 FOR PLATING SPEC OF 51701-100CCCDDEF; 51701-100CCCDDEFLF

(4) THIS PART NOT AVAILABLE WITH LEFT SIDE POWER CONTACTS.

(5) SIGNAL CONTACT, 004 TO 148 AVAILABLE.

(6) RIGHT END POWER CONTACTS, 01 - 20 AVAILABLE.

(7) TAIL OPTIONS:
A = 0.135 +0.015/-0.010 [3.43 +.38/-.25] SOLDER TO BOARD
B = 0.165 +0.015/-0.010 [4.19 +.38/-.25] SOLDER TO BOARD
C = 0.165 +0.015/-0.010 [4.19 +.38/-.25] PRESS FIT

(8) RETENTION TO PCB OPTIONS:
A = BOARD LOCK (REQUIRES 0.098 = .002/-.001 [2.49 +0.05/-0.03] THRU HOLE IN PCB). (NOT AVAILABLE WITH PRESS FIT)
C = NO RETENTION FEATURE (ALL PRESS FIT).

(9) MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.

10. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2]

11. PRODUCT SPECIFICATION GS-12-149

12. SEE PWRBLADE VERTICAL HEADER SPECIAL WORKSHEET (51696) FOR MATING LENGTH OPTIONS.

(13) DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.

PCB NOTES:

14. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.

15. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10]

16. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

17. Ø0.098 [2.49] THROUGH HOLES ARE UNPLATED

18. Ø0.0453 ±0.0010 [1.151 ±0.025] DRILLED HOLES PLATED WITH 0.0003 [0.008] MIN SnPb OVER 0.001 [0.03] TO 0.003 [0.08] Cu PLATING TO ACHIEVE A Ø0.040±0.003 [1.02±0.07] HOLE.

19. FOR PRESS FIT APPLICATION USE FCI CAM TOOL 430169-XXX.

20. A (N) SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

ltr	ecn no.	dr	date
N			

mat'l code: SEE NOTE 2

tolerances unless otherwise specified:
- linear: .XX±.01/0.X±0.3; .XXX±.005/0.XX±0.13; .XXXX±.0020/.XXX±.051
- angles: 0°±2°
- dr: JRW 10-15-01
- engr: J.ALLISON 10-15-01
- chr: J.ALLISON 10-15-01
- appd: J.ALLISON 10-15-01

CUSTOMER COPY

projection

INCH/MM

scale 1:1

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title: VERTICAL HEADER w/ GUIDE PIN SIGNAL / POWER

product family: PWRBLADE

code: 213

size: A

dwg no: 51701

sheet: 2

sheet index | revision | sheet

cage code: 22526

Pro/E

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

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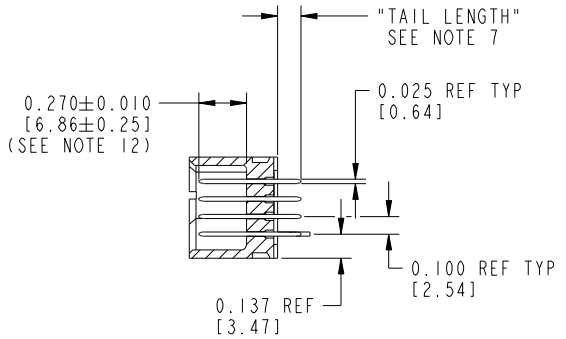
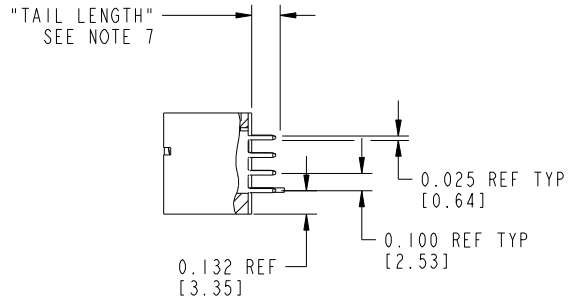
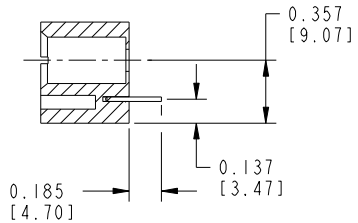
PRODUCT NUMBER
51701-A00CCCDDEF__ Note: (1)
SEE NOTE 1



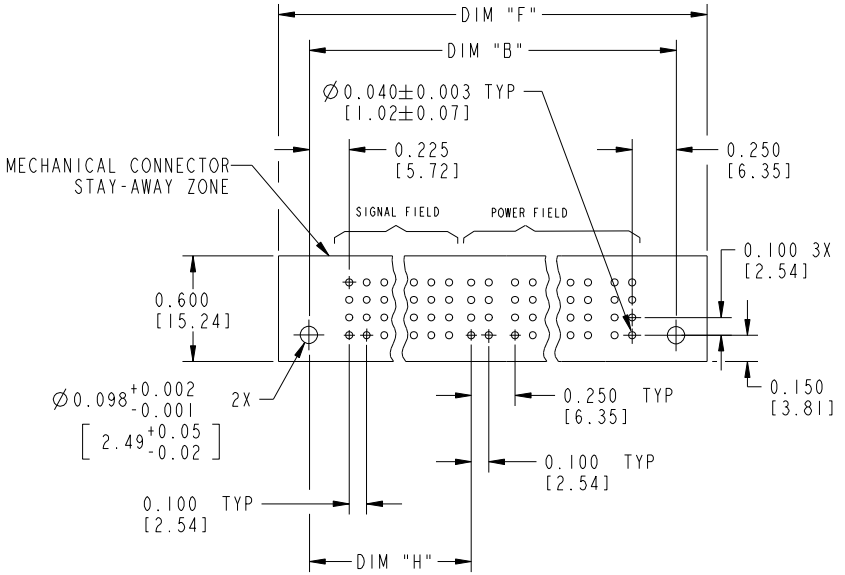
SECTION A-A



SECTION B-B



SECTION C-C



RECOMMENDED PCB LAYOUT

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	
N			.XXX±.005/0.XX±0.13	projection	title: VERTICAL HEADER w/ GUIDE PIN SIGNAL / POWER
			.XXXX±.0020/.XXX±.051		
		angles	0°±2°		
		dr	JRW 10-15-01	INCH/MM	product family: PWRBLADE; code: 213
		engr	J.ALLISON 10-15-01		size: A; dwg no: 51701; sheet: 3
		chr	J.ALLISON 10-15-01	scale 1:1	
		appd	J.ALLISON 10-15-01		
sheet index / revision / sheet					cage code: 22526

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

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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http://moschip.ru/get-element

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