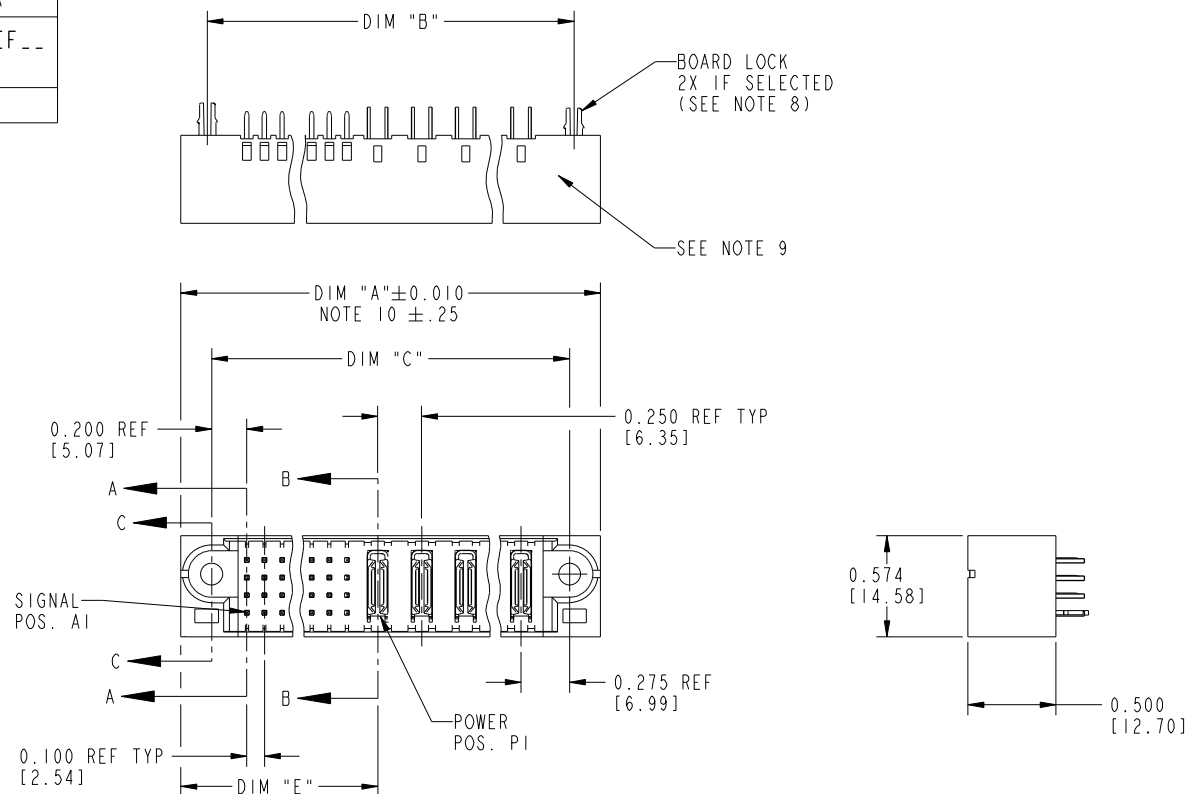




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PRODUCT NUMBER
51701-A00CCDDEF--
Note: ①
SEE NOTE 1



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
litr	ecn no.	dr	date					COPY		projection		title	VERTICAL HEADER w/ GUIDE PIN SIGNAL / POWER
J	DG05-0132	SJ	05/30/05	linear		.XX±.01/0.X±0.3						product family	PWRBLADE
K	DG06-0505	CS	01/13/05			.XXX±.005/0.XX±0.13						size	213
L	DG08-0239	JC	09/11/08	angles		.XXX±.0020/.XX±.051						dwg no	51701
						0°±2°						sheet	1 of 3
				dr	JRW	10-15-01							
				enr	J. ALLISON	10-15-01							
				chr	J. ALLISON	10-15-01							
				appd	J. ALLISON	10-15-01							
sheet index	revision sheet	L	L	L									
		1	2	3									

Pro/E

cage code 22526

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PRODUCT NUMBER		DIM	LENGTH FORMULAS (SEE NOTE 10)
51701-A00CCDDEF--		DIM "A"	.100 [2.54] x (CCC/4) + .250 [6.35] x DD + .650 [16.51] (NOTE 10)
Note: ①		DIM "B"	.100 [2.54] x (CCC/4) + .250 [6.35] x DD + .350 [8.81]
SEE NOTE 1		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 NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE ADD THIS SUFFIX: 78u"/2.00um Sn ON PCB INTERFACE RETENTION TO PCB (NOTE 8) TAIL OPTIONS (NOTE 7) NUMBER OF RIGHT END POWER CONTACTS (NOTE 6) NUMBER OF SIGNAL CONTACTS (NOTE 5) ALWAYS '00' (ZERO, ZERO)(NOTE 4) PLATING (NOTE 3) 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 51701-100CCDDEF; 51701-100CCDDEFLF
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 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	
ltr	ecn no.	dr	date					COPY		www.fciconnect.com	
L				linear		.XX±.01/0.X±0.3		projection		title VERTICAL HEADER w/ GUIDE PIN SIGNAL / POWER	
						.XXX±.005/0.XX±0.13					
				angles		.XXX±.0020/.XX±.051					
				dr	JRW	10-15-01					
				enrg	J.ALLISON	10-15-01					
				chr	J.ALLISON	10-15-01					
				appd	J.ALLISON	10-15-01					
sheet index		revision sheet									

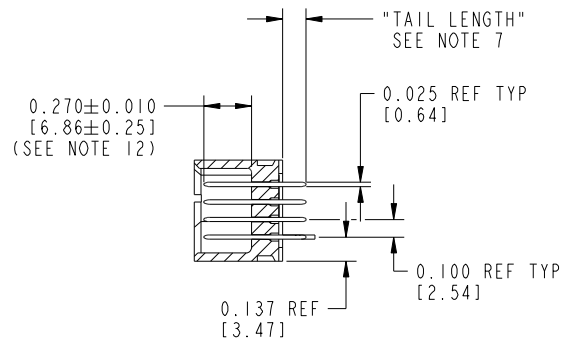
sheet index		revision sheet		Pro/E		3		cage code		4	
								22526			

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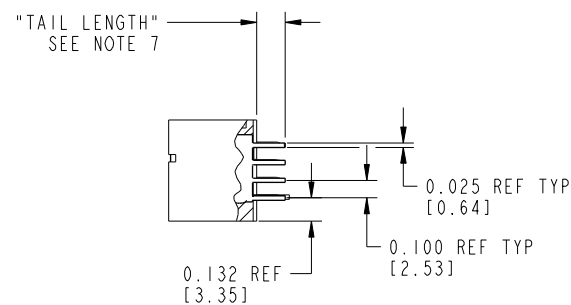


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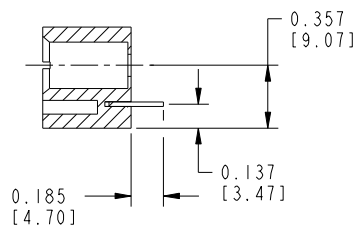
PRODUCT NUMBER
51701-A00CCDDEF--
Note: ①
SEE NOTE 1



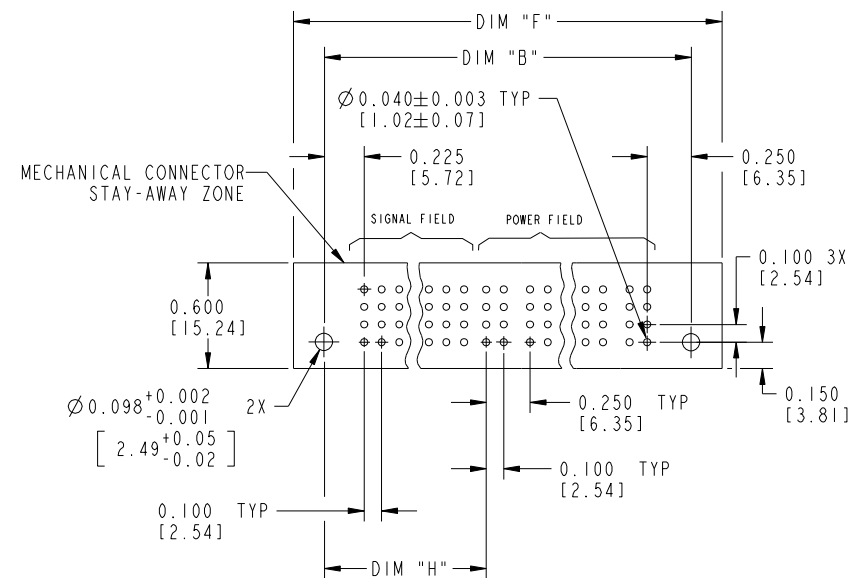
SECTION A-A



SECTION B-B



SECTION C-C



RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
litr	ecn no.	dr	date	linear		.XX±.01/0.X±0.3		COPY		projection		title	
L						.XXX±.005/0.XX±0.13						VERTICAL HEADER w/ GUIDE PIN	
				angles		.XXX±.0020/.XX±.051						SIGNAL / POWER	
				dr	JRW	10-15-01						product family	PWRBLADE
				enrg	J. ALLISON	10-15-01						size	dwg no
				chr	J. ALLISON	10-15-01						213	sheet
				appd	J. ALLISON	10-15-01						51701	3
sheet index	revision sheet												

Pro/E

cage code 22526