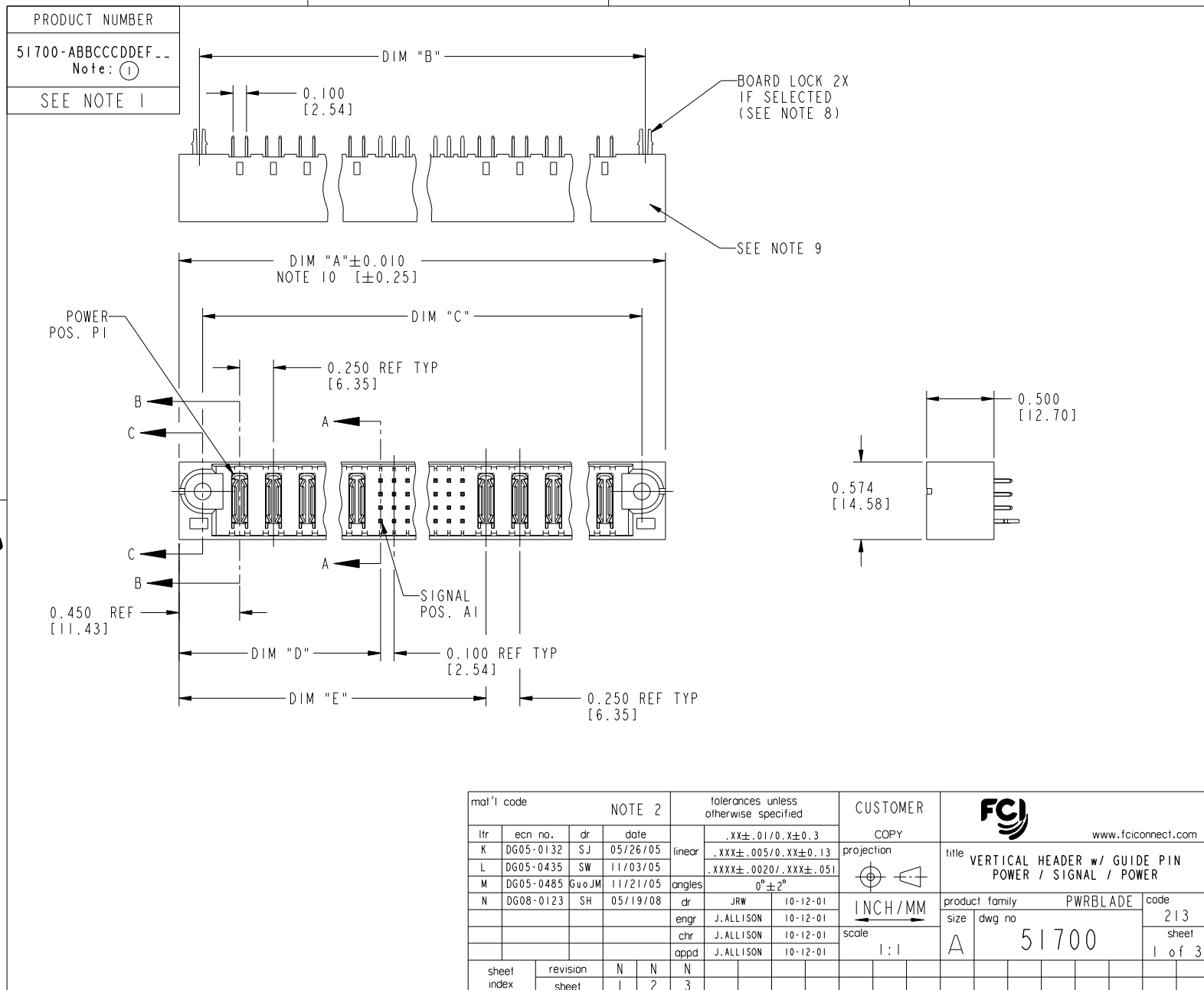




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PRODUCT NUMBER		DIM	LENGTH FORMULAS (SEE NOTE 10)
51700-ABBCCDDEF-- Note: ①		DIM "A"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .650 [16.51] (NOTE 10)
SEE NOTE 1		DIM "B"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .350 [8.89]
		DIM "C"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .300 [7.62]
		DIM "D"	.250 [6.35] x BB + .375 [9.53]
		DIM "E"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .450 [11.43]
		DIM "F"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .680 [17.27]
		DIM "G"	.250 [6.35] x BB + .225 [5.72]
		DIM "H"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35]

CONNECTOR NOTES	
①	PRODUCT NUMBER CODE: 51700 - A BB CCC DD E F LF NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE ADD THIS SUFFIX: 78u"/2.00um Sn OR 5u" Au 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) NUMBER OF LEFT POWER CONTACTS (NOTE 4) PLATING (NOTE 3) BASE NUMBER
②	HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH TEMP THERMOPLASTIC POWER CONTACT MATERIAL: COPPER ALLOY SIGNAL CONTACT MATERIAL: COPPER ALLOY
③	PLATING OPTION: SEE PRINT 10064183 FOR PLATING SPEC OF 51700-ABBCCDDEF; 51700-ABBCCDDEFLF.
④	LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE. MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
⑤	SIGNAL CONTACT, 004 TO 148 AVAILABLE.
⑥	RIGHT END POWER CONTACTS, 01 - 20 AVAILABLE. MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
⑦	TAIL OPTIONS: A = 0.135 +0.015/-0.010 [3.43 +0.38/-0.25] SOLDER TO BOARD B = 0.165 +0.015/-0.010 [4.19 +0.38/-0.25] SOLDER TO BOARD C = 0.165 +0.015/-0.010 [4.19 +0.38/-0.25] PRESS FIT
⑧	RETENTION TO PCB OPTIONS: A = BOARD LOCK (REQUIRES 0.098 +0.002/-0.001 [2.49 +0.05/-0.03] THUR HOLE IN PCB). RECOMMENDED ON SYMMETRIC CONNECTORS. BOARD LOCK TO BE USED IN CONJUNCTION WITH A .092 PCB OR THICKER. C = NO RETENTION FEATURE.
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 PRESSFIT APPLICATION USE FCI CAM TOOL 430169-XXX. 20. A Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

NOTE 2				tolerances unless otherwise specified		CUSTOMER	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY	FCI www.fciconnect.com
N				projection	.XXX±.005/0.XX±0.13 .XXX±.0020/.XXX±.051		
				angles	0°±2°		title VERTICAL HEADER w/ GUIDE PIN POWER / SIGNAL / POWER
				dr	JRW 10-12-01		
				enrg	J.ALLISON 10-12-01		product family PWRBLADE code 213
				chr	J.ALLISON 10-12-01		
				appd	J.ALLISON 10-12-01		size dwg no 51700 sheet 2
sheet index	revision sheet						

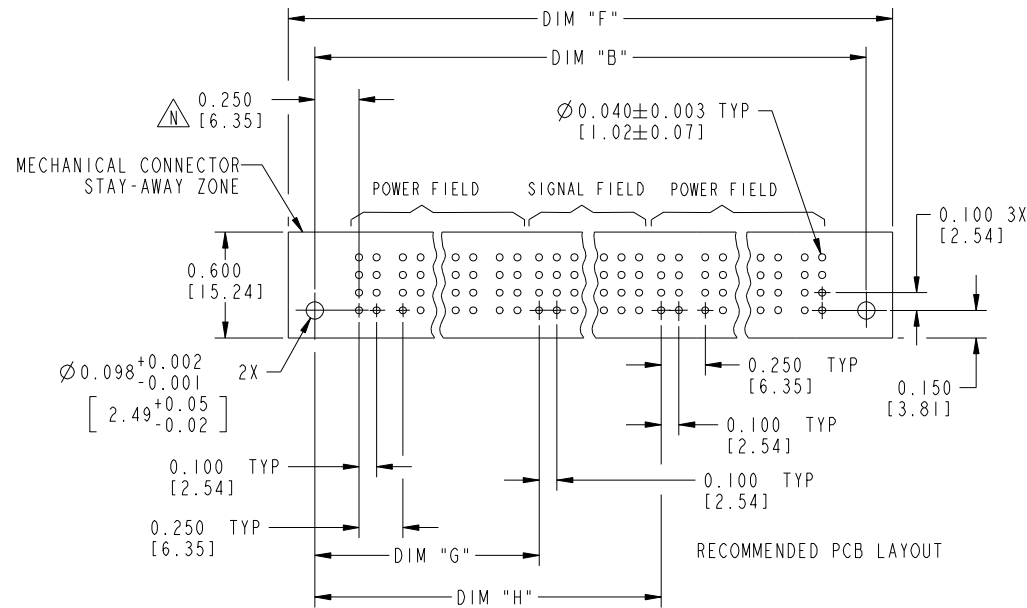
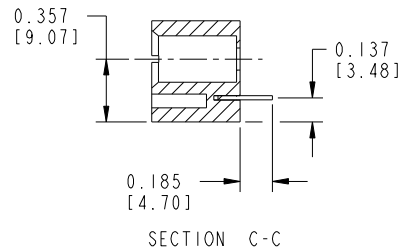
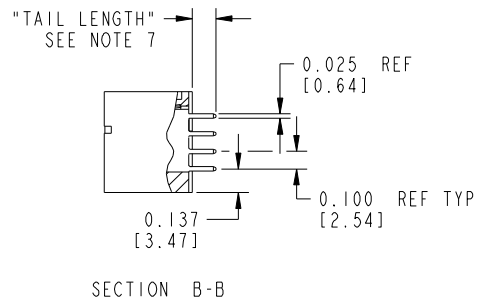
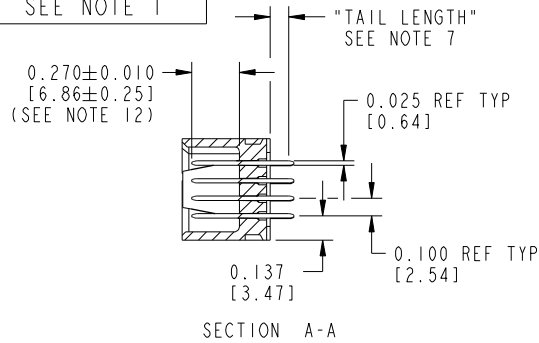
Pro/E		3		4	
		cage code 22526			

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PRODUCT NUMBER
51700-ABBCCCDDEF--
Note: ①
SEE NOTE 1



NOTE 2				CUSTOMER		FCI	
mat'l code	ecr no.	dr	date	tolerances unless otherwise specified	COPY	www.fciconnect.com	
litr				.XX±.01/.X±0.3	projection	title VERTICAL HEADER w/ GUIDE PIN POWER / SIGNAL / POWER	
N				linear .XXX±.005/.X±0.13 .XXX±.0020/.XXX±.051	INCH/MM		
				angles 0°±2°	scale	product family PWRBLADE	code 213
				dr JRW 10-12-01	1:1	size dwg no 51700	sheet 3
				enr J. ALLISON 10-12-01			
				chr J. ALLISON 10-12-01			
				appd J. ALLISON 10-12-01			
sheet index	revision sheet					cage code 22526	4

Pro/E

Mouser Electronics

Authorized Distributor

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[FCI / Amphenol:](#)

51700-10403204CA	51700-11102003AALF	51700-10104801AALF	51700-10106001AALF	51700-10201602CCLF
51700-10202402AALF	51700-10402404AALF	51700-10403204CALF	51700-10602406CALF	51700-10101201ACLF
51700-10101201CCLF	51700-10114801AALF	51700-10200402BALF	51700-10201202CCLF	51700-10301203AALF
51700-10502405AALF	51700-10810008CALF	51700-11008410AALF	51700-11102003CCLF	51700-10106001AA
51700-10201602CC	51700-10100801AALF	51700-10101601AALF	51700-10102401AALF	51700-10110001AALF
51700-10201202AALF	51700-10202402CA	51700-10202402CCLF	51700-10302403CCLF	51700-10400804AALF
51700-10402402CCLF	51700-10402404CC	51700-10402404CCLF	51700-10801208CCLF	51700-10202402CALF
51700-10203202CCLF	51700-10602406AALF	51700-10100401AALF	51700-10400404AALF	51700-10304003AALF
51700-10102401ACLF	51700-10101201CALF	51700-10402804AALF	51700-10301202AALF	51700-10400804CALF
51700-10204802AALF	51700-10112801AALF	51700-10600806CALF	51700-10102001CCLF	51700-10209602AALF
51700-10102001AALF	51700-10403607AALF	51700-10202002AALF	51700-10802408CALF	51700-10100801CCLF
51700-10303203ACLF	51700-10201602AALF	51700-10206002AALF	51700-10801608AALF	51700-10301603AALF
51700-10412004AALF	51700-10300403AALF	51700-10703207ACLF	51700-10101201AALF	51700-10204002AALF
51700-10402404ACLF	51700-10103201CCLF	51700-10500805CALF	51700-10304803AALF	51700-B0200402AALF
51700-10103201AALF	51700-10404804AALF	51700-B0201602CALF	51700-11004410CCLF	51700-10401204AALF
51700-10101601CCLF	51700-B0201602CCLF	51700-10900809CCLF	51700-10302408AALF	51700-10100802CCLF
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51700-10405604CCLF	51700-10101601CALF	51700-10102401CCLF	51700-10200402AALF	51700-10200802AALF
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