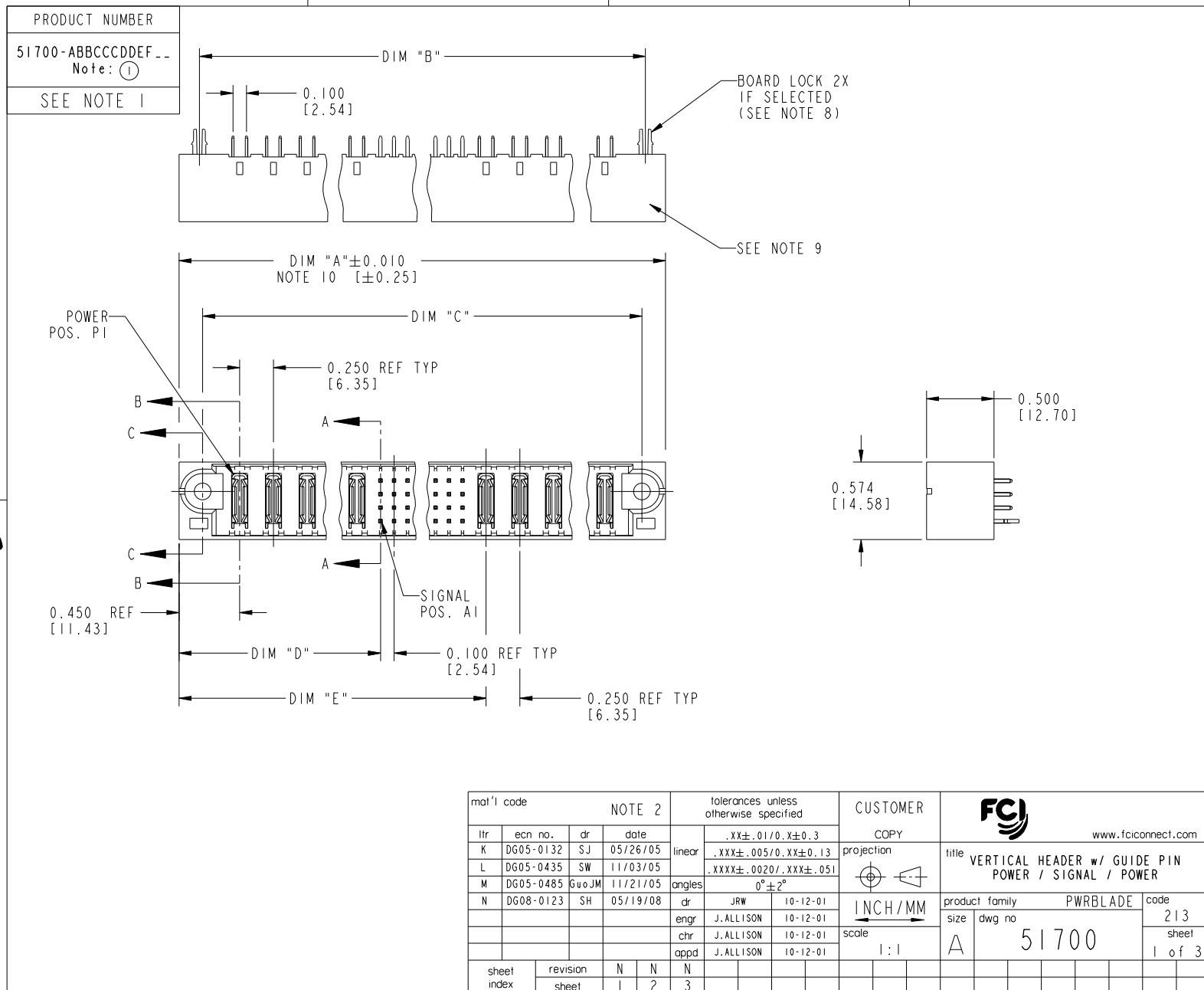




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PRODUCT NUMBER		DIM	LENGTH FORMULAS (SEE NOTE 10)
51700-ABBCCDDEF-- Note: ①		DIM "A"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .650 [16.51] (NOTE 10)
SEE NOTE 1		DIM "B"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .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 ⚠ 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 size dwg no 51700 code 213
				chr	J.ALLISON 10-12-01		
				appd	J.ALLISON 10-12-01		sheet 2
sheet index	revision sheet						

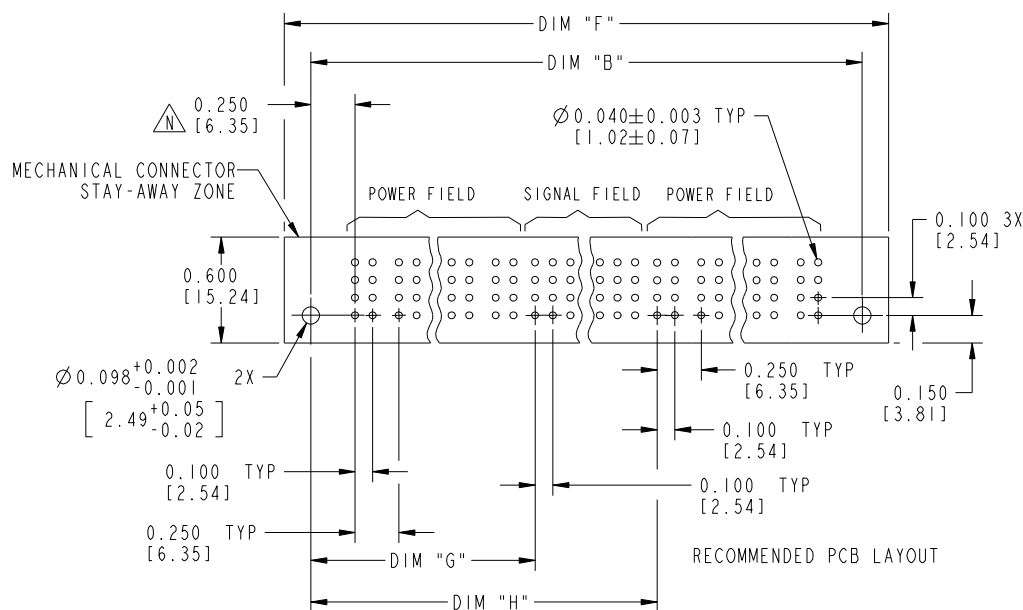
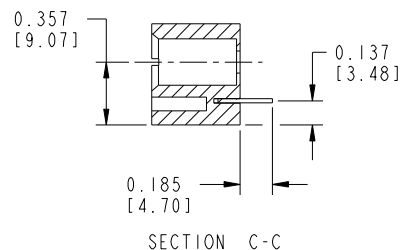
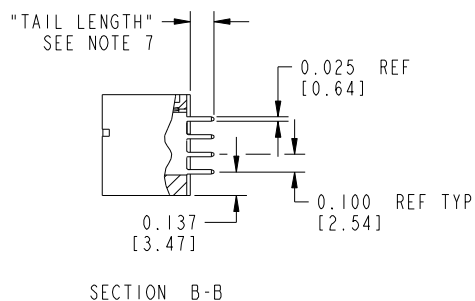
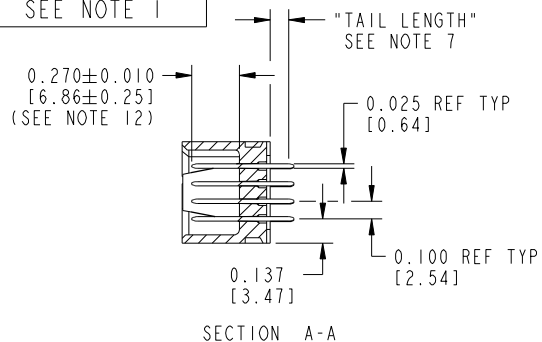
Pro/E		3		4	
		cage code 22526			

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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

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FCI / Amphenol:

<u>51700-10101601AALF</u>	<u>51700-10110001AALF</u>	<u>51700-10302403CCLF</u>	<u>51700-10400804AALF</u>	<u>51700-10402402CCLF</u>
<u>51700-10602406AALF</u>	<u>51700-10100401AALF</u>	<u>51700-10400404AALF</u>	<u>51700-10304003AALF</u>	<u>51700-10102401ACLF</u>
<u>51700-10101201CALF</u>	<u>51700-10402804AALF</u>	<u>51700-10301202AALF</u>	<u>51700-10204802AALF</u>	<u>51700-10112801AALF</u>
<u>51700-10600806CALF</u>	<u>51700-10102001CCLF</u>	<u>51700-10209602AALF</u>	<u>51700-10102001AALF</u>	<u>51700-10403607AALF</u>
<u>51700-10202002AALF</u>	<u>51700-10802408CALF</u>	<u>51700-10100801CCLF</u>	<u>51700-10201602AALF</u>	<u>51700-10206002AALF</u>
<u>51700-10801608AALF</u>	<u>51700-10301603AALF</u>	<u>51700-10412004AALF</u>	<u>51700-10300403AALF</u>	<u>51700-10703207ACLF</u>
<u>51700-10101201AALF</u>	<u>51700-10204002AALF</u>	<u>51700-10402404ACLF</u>	<u>51700-10103201CCLF</u>	<u>51700-10500805CALF</u>
<u>51700-10304803AALF</u>	<u>51700-10103201AALF</u>	<u>51700-10404804AALF</u>	<u>51700-11004410CCLF</u>	