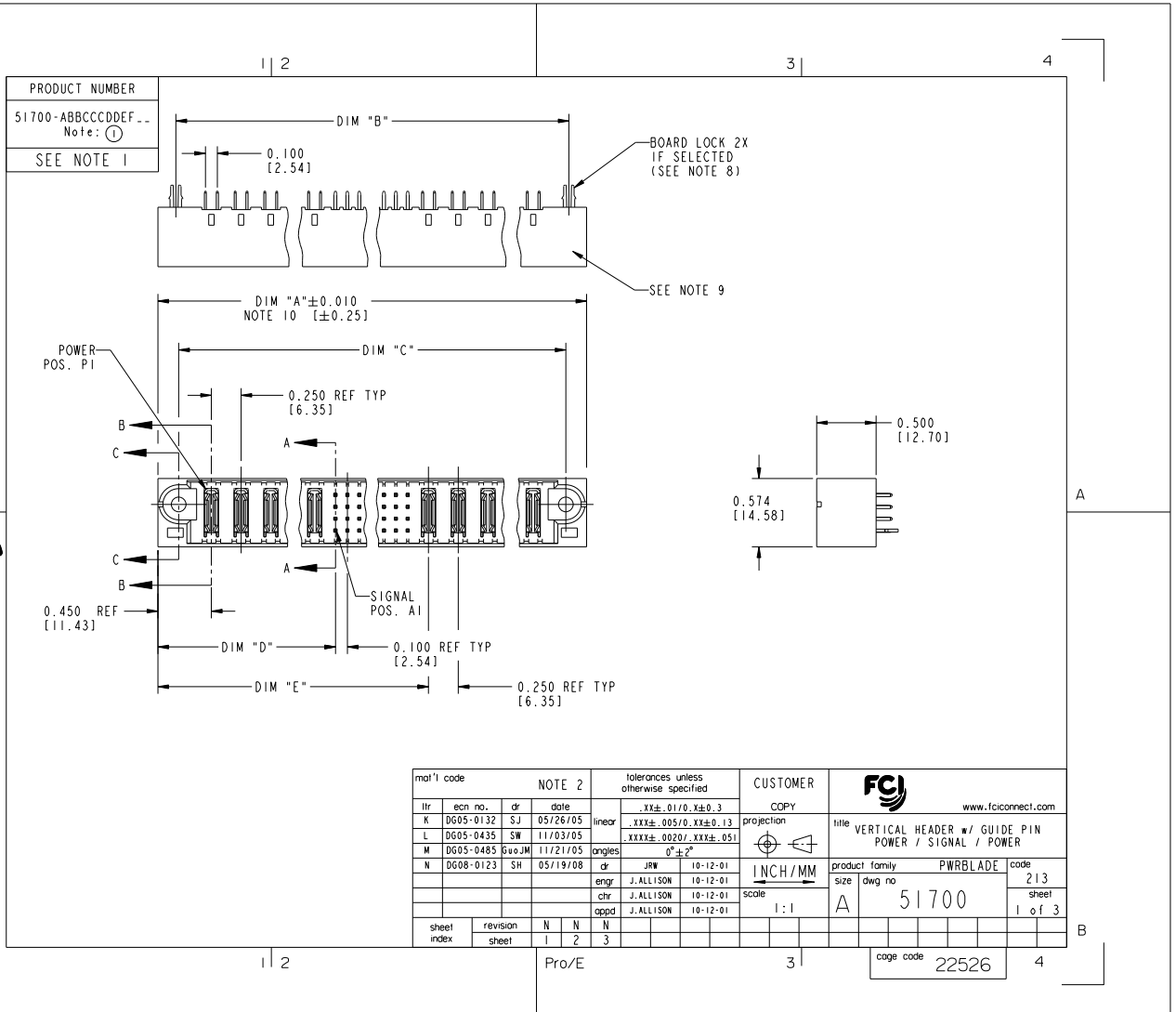


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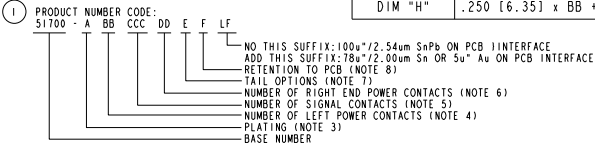


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PRODUCT NUMBER
51700-ABBCCDDEF... Note: ①
SEE NOTE 1

DIM	LENGTH FORMULAS (SEE NOTE 10)
DIM "A"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .650 [16.51] (NOTE 10)
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



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-ABBCCDDEF LF.

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 TO 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] THRU 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. Ø.098 [2.49] THROUGH HOLES ARE UNPLATED.

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

19. FOR PRESSFIT APPLICATION USE FCJ 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.

mal'1 code				NOTE 2		tolerances unless otherwise specified		CUSTOMER	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	FCJ www.fcjconnect.com		
N				angles	.XXX±.005/0.XX±0.13 .XXX±.002/0.XX±.051	INCH/MM	VERTICAL HEADER w/ GUIDE PIN POWER / SIGNAL / POWER		
				dr	JW 10-12-01	scale	product family	PWRBLADE	code
				eng	J.ALLISON 10-12-01	1:1	size	dwg no	213
				chr	J.ALLISON 10-12-01		A	51700	sheet
				appd	J.ALLISON 10-12-01				2
sheet index	revision sheet								

1 | 2

Pro/E

3 |

cage code 22526

4

PDM: Rev:N

STATUS:Released

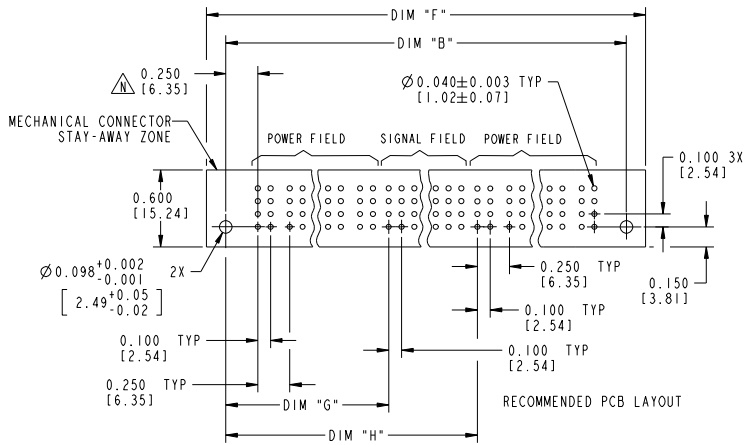
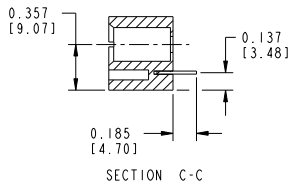
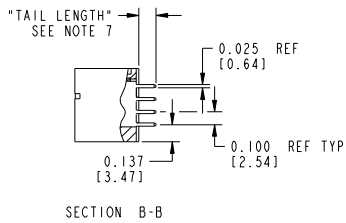
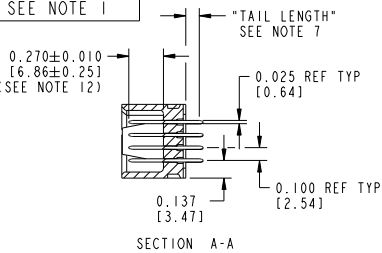
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PRODUCT NUMBER  
51700-ABBCCDDEF...  
Note:



mal'1 code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCJ www.fcjconnect.com	
lfr	ecr no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY		title VERTICAL HEADER w/ GUIDE PIN POWER / SIGNAL / POWER		
N				angles	.XXX±.005/0.XX±0.13 .XXX±.002/0.XX±.051		INCH/MM		product family PWRBLADE code 213		
				dr	JRW 10-12-01	scale	A		size dwg no 51700 sheet 3		
				engr	J.ALLISON 10-12-01						
				chr	J.ALLISON 10-12-01						
				appd	J.ALLISON 10-12-01						
sheet index	revision sheet										

Pro/E

cage code 22526

PDM: Rev:N

STATUS:Released

Printed: Dec 20, 2010