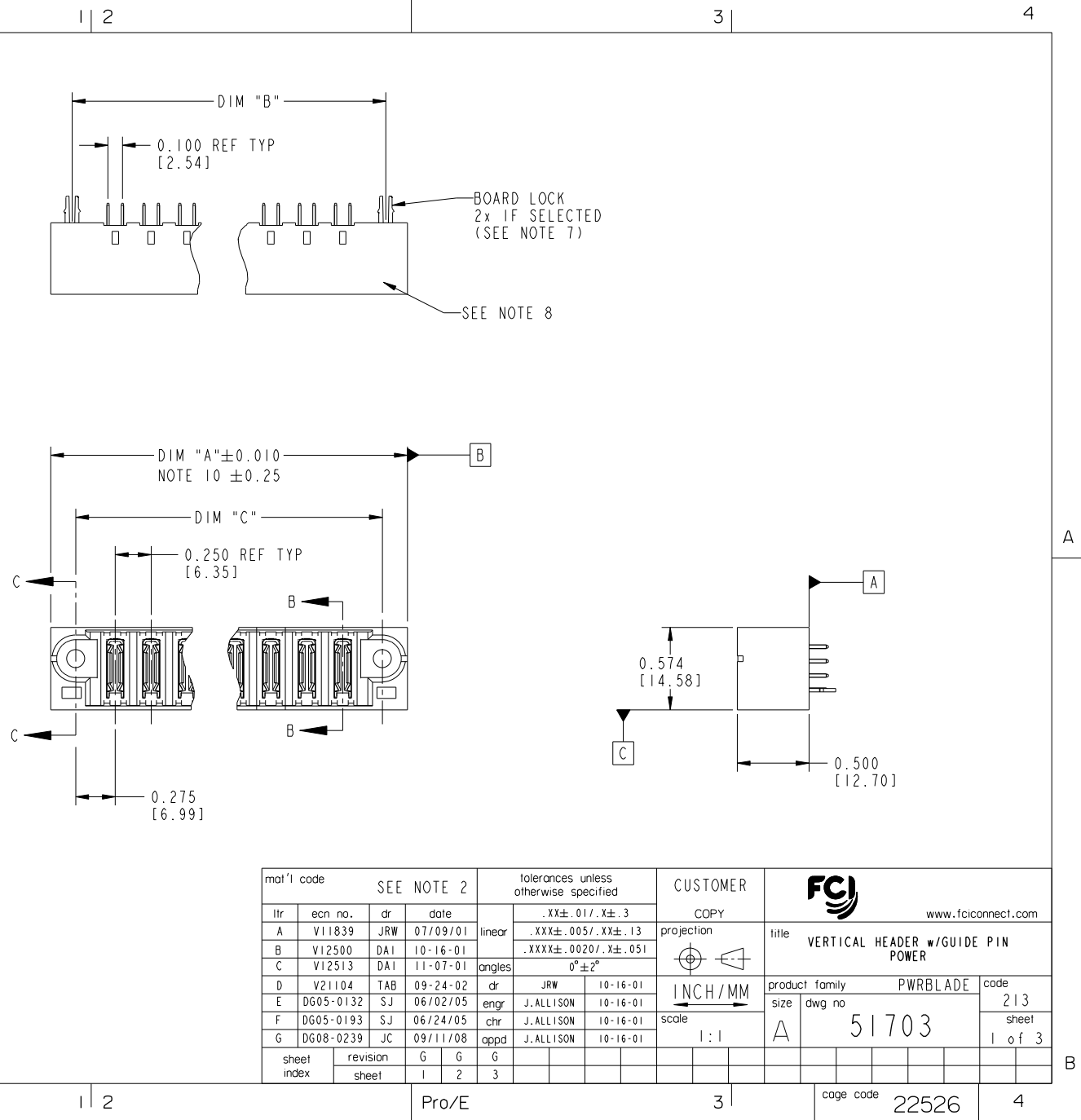




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PRODUCT NUMBER
51703-ABB00000EF_
Note: ①
SEE NOTE 1





A

B

1 2 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">PRODUCT NUMBER</th> </tr> <tr> <td>51703-ABB00000EF_- Note: ①</td> </tr> <tr> <td>SEE NOTE 1</td> </tr> </table>	PRODUCT NUMBER	51703-ABB00000EF_- Note: ①	SEE NOTE 1	3 4 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">DIM</th> <th style="text-align: left;">LENGTH FORMULAS (SEE NOTE 9)</th> </tr> <tr> <td>DIM "A"</td> <td>.250 [6.35] x BB + .650 [16.51] (NOTE 9)</td> </tr> <tr> <td>DIM "B"</td> <td>.250 [6.35] x BB + .350 [8.81]</td> </tr> <tr> <td>DIM "C"</td> <td>.250 [6.35] x BB + .300 [7.62]</td> </tr> <tr> <td>DIM "F"</td> <td>.250 [6.35] x BB + .680 [17.27]</td> </tr> </table> CONNECTOR NOTES: ①. PRODUCT NUMBER CODE: 51703 - A BB 000 00 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 7) - TAIL OPTIONS (NOTE 6) - ALWAYS "00" (ZERO, ZERO) - ALWAYS "000" (ZERO, ZERO, ZERO) (NOTE 5) - NUMBER OF POWER CONTACTS (NOTE 4) - PLATING (NOTE 3) - BASE NUMBER ②. HOUSING MATERIAL: UL94 V-0 GLASS FILLED HIGH TEMP THERMO PLASTIC POWER CONTACT MATERIAL: COPPER ALLOY ③. PLATING OPTION: 1 = SEE PRINT 10064183 FOR PLATING SPEC OF 51703-1BB00000EF; 51703-1BB00000EFLF ④. POWER CONTACTS, 01 TO 20 AVAILABLE. MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR ⑤. THIS PART IS NOT AVAILABLE WITH SIGNAL CONTACTS. ⑥. TAIL OPTIONS: A = 0.135 +0.015/-0.010 [3.43 +0.37/-0.25] SOLDER TO BOARD B = 0.165 +0.015/-0.010 [4.19 +0.37/-0.25] SOLDER TO BOARD C = 0.165 +0.015/-0.010 [4.19 +0.37/-0.25] PRESS FIT ⑦. RETENTION TO PCB OPTIONS: A = BOARD LOCK (REQUIRES Ø0.098 +0.002/-0.001 [2.49 +0.05/-0.03] THRU HOLE IN PCB). (NOT AVAILABLE WITH PRESS-FIT) C = NO RETENTION FEATURE ⑧. MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE. ⑨. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 8.00 [203.2] 10. PRODUCT SPECIFICATION GS-12-149 11. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED. PCB NOTES: 12. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED. 13. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10] 14. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE. 15. Ø0.098 [2.49] THROUGH HOLES ARE UNPLATED 16. 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. 17. FOR PRESSFIT APPLICATION USE C1 CAM TOOL 430169-XXX. 18. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.	DIM	LENGTH FORMULAS (SEE NOTE 9)	DIM "A"	.250 [6.35] x BB + .650 [16.51] (NOTE 9)	DIM "B"	.250 [6.35] x BB + .350 [8.81]	DIM "C"	.250 [6.35] x BB + .300 [7.62]	DIM "F"	.250 [6.35] x BB + .680 [17.27]
PRODUCT NUMBER														
51703-ABB00000EF_- Note: ①														
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DIM "F"	.250 [6.35] x BB + .680 [17.27]													

SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER		www.fciconnect.com	
litr	ecn no.	dr	date	linear	.XX±.01/.X±.3	projection		title VERTICAL HEADER w/GUIDE PIN POWER	
G					.XXX±.005/.XX±.13				
				angles	.XXX±.0020/.X±.051	INCH/MM	scale	product family PWRBLADE code 213	
					0°±2°				
				dr	JRW 10-16-01	A	51703	sheet 2 of 3	
				enrg	J.ALLISON 10-16-01				
				chr	J.ALLISON 10-16-01				
				appd	J.ALLISON 10-16-01	3:2			
sheet index	revision sheet								

1 | 2 Pro/E 3 cage code 22526 4

A

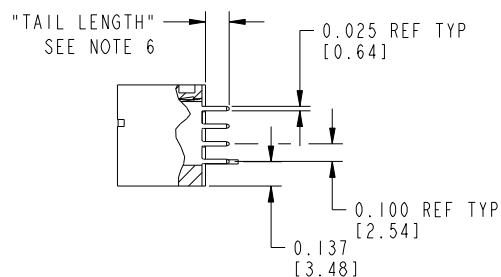
B

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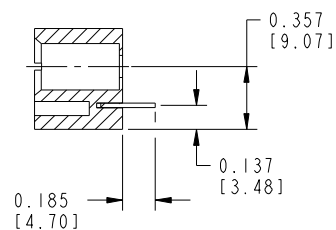


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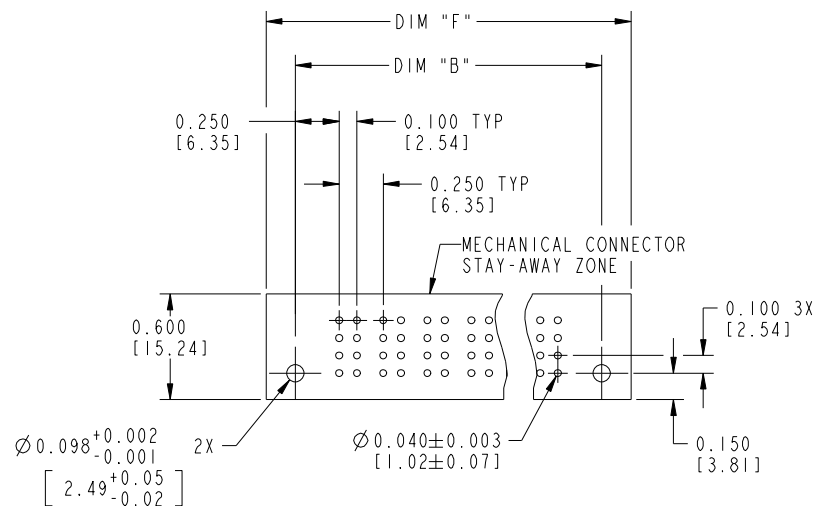
PRODUCT NUMBER
51703-ABB00000EF--
Note: ①
SEE NOTE 1



SECTION B-B



SECTION C-C



RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				 www.fciconnect.com											
litr		ecn no.		dr		date		linear linear angles dr enrg chr appd		.XX±.01/.X±.3		.XXX±.005/.XX±.13		.XXX±.0020/.X±.051		projection 		COPY		title VERTICAL HEADER w/GUIDE PIN POWER							
G																											
										0°±2°		JRW 10-16-01		J. ALLISON 10-16-01		J. ALLISON 10-16-01		J. ALLISON 10-16-01		INCH/MM 		product family PWRBLADE		code 213			
																				scale 1:1		size A		dwg no 51703		sheet 3 of 3	
sheet index		revision sheet																									

Pro/E

cage code 22526

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