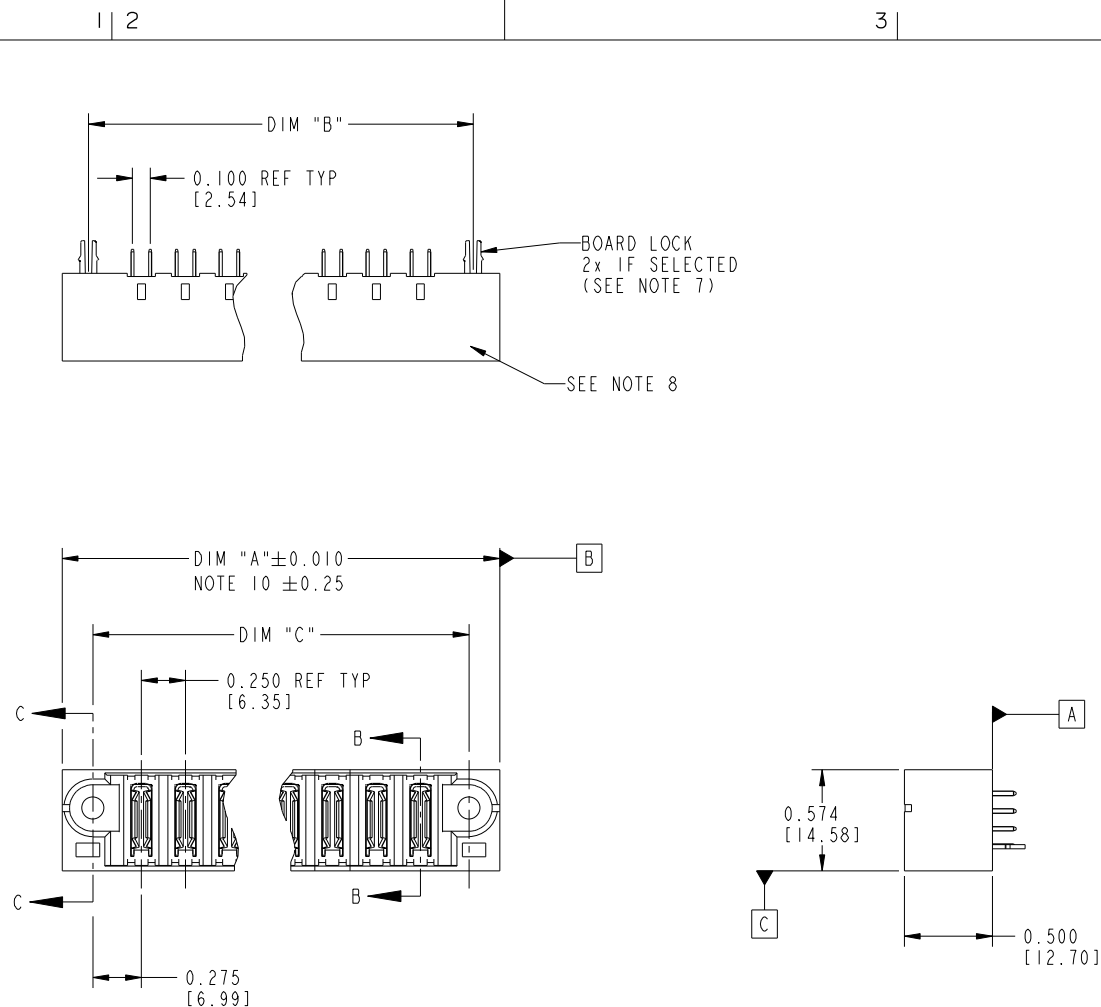




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PRODUCT NUMBER
51703-ABB00000EF_
Note: ①
SEE NOTE 1



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date					COPY		www.fciconnect.com	
A	V11839	JRW	07/09/01	linear		.XX $\pm$.01/.X $\pm$.3		projection		title VERTICAL HEADER w/GUIDE PIN POWER	
B	V12500	DAI	10-16-01			.XXX $\pm$.005/.XX $\pm$.13				product family PWRBLADE code 213	
C	V12513	DAI	11-07-01	angles		.XXX $\pm$.0020/.X $\pm$.051					
D	V21104	TAB	09-24-02	dr	JRW	10-16-01		INCH/MM		size dwg no 51703 sheet 1 of 3	
E	DG05-0132	SJ	06/02/05	enrg	J.ALLISON	10-16-01		scale 1:1		A	
F	DG05-0193	SJ	06/24/05	chr	J.ALLISON	10-16-01					
G	DG08-0239	JC	09/11/08	appd	J.ALLISON	10-16-01					
sheet index		revision sheet		G	G	G					
				I	2	3					

cage code 22526

Pro/E



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: I = 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														
SEE 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	COPY			
G					.XXX±.005/.XX±.13	projection			
					.XXX±.0020/.X±.051	angles			
					0°±2°	dr			
					JRW 10-16-01	enrg			
					J.ALLISON 10-16-01	chr		scale 3:2	
					J.ALLISON 10-16-01	appd			
sheet index		revision sheet							

Pro/E		3		cage code 22526		4	
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A

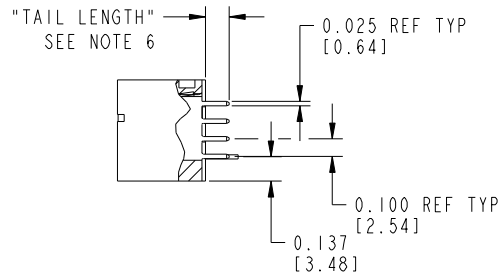
B

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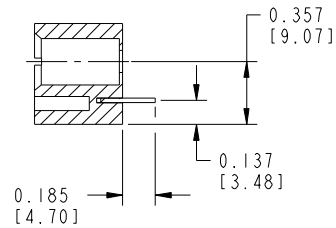


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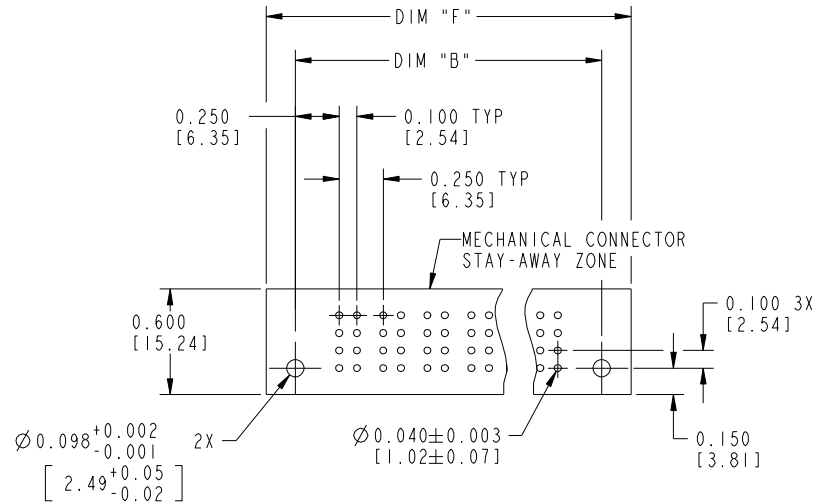
PRODUCT NUMBER
51703-ABB00000EF--
Note: ①
SEE NOTE 1



SECTION B-B



SECTION C-C



RECOMMENDED PCB LAYOUT

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

Pro/E

cage code 22526

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