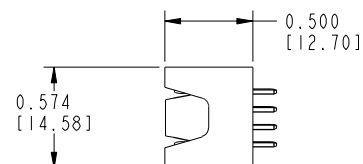
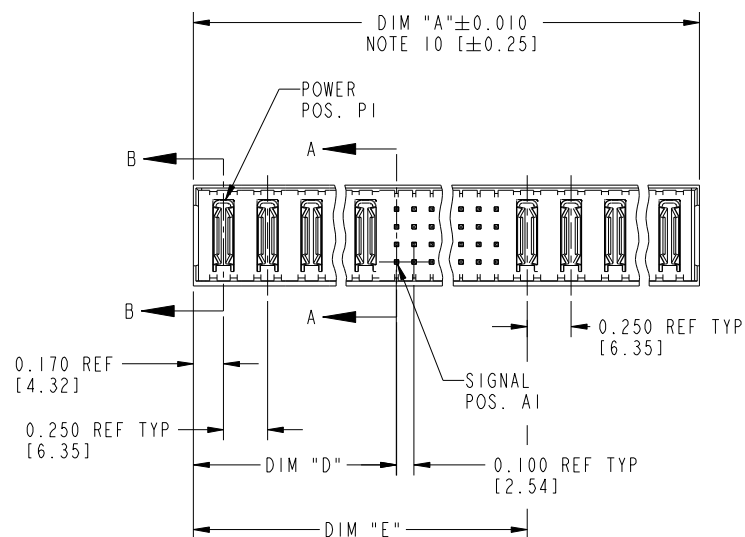
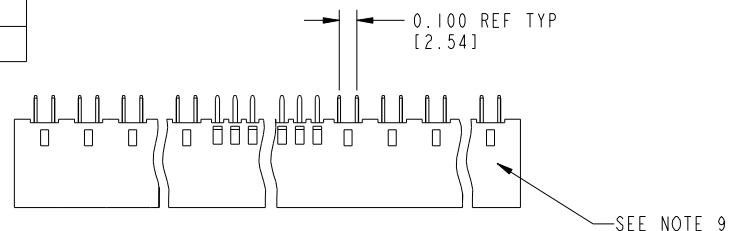


Tous droits strictement réservés. Reproduction ou communication à des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire. Propriété de c FCI. Droits de reproduction FCI.



All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.

PRODUCT NUMBER
51704-ABBCCCDDE0--
SEE NOTE 1



mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
litr	ecr no.	dr	date	linear		.XX±.01/0.X±0.3		COPY		projection		title VERTICAL HEADER w/o GUIDE PIN POWER / SIGNAL / POWER	
K	DG06-0011	CS	01/13/06			.XXX±.005/0.XX±0.13						product family PWRBLADE	
L	DG08-0239	JC	09/11/08	angles		.XXX±.0020/.XX±.051						size	dwg no
				dr	JRW	10-16-01						A	51704
				enr	J.ALLISON	10-16-01							213
				chr	J.ALLISON	10-16-01							sheet
				appd	J.ALLISON	10-16-01							1 of 4
sheet index	revision sheet	L	L	L	L								
		1	2	3	4								

Pro/E

cage code 22526

Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire.
Property of FCI. Droits de reproduction FCI.



All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor.
Property of FCI. Copyright FCI.

PRODUCT NUMBER	DIM	LENGTH FORMULAS (SEE NOTE 10)
51704-ABBCCCDDE0_	DIM "A"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .090 [2.29] (NOTE 10)
SEE NOTE 1	DIM "D"	.250 [6.35] x BB + .095 [2.41]
	DIM "E"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .170 [4.32]
	DIM "F"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .120 [3.05]
	DIM "G"	.250 [6.35] x BB + .025 [1.64]
	DIM "H"	.250 [6.35] x BB + .100 [2.54] x (CCC/4)

CONNECTOR NOTES

- ① PRODUCT NUMBER CODE:
51704 - A BB CCC DD E 0 LF
NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE
ADD THIS SUFFIX: 78u"/2.00um Sn ON PCB INTERFACE 
ALWAYS "0"(ZERO)(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: UL94 V-0 GLASS FILLED HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
POWER CONTACT MATERIAL: COPPER ALLOY
- ③ PLATING OPTION: 1
 1 = SEE PRINT 10064183 FOR PLATING SPEC OF 51704-IBBCCCDDE0; 51704-IBBCCCDDE0LF
- ④ LEFT END POWER CONTACTS, 01 TO 19 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
- ⑤ SIGNAL CONTACT, 004 TO 148 AVAILABLE.
- ⑥ RIGHT END POWER CONTACTS, 01 - 19 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

mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
litr	ecn no.	dr	date			.XX±.01/0.XX±0.3		COPY		title VERTICAL HEADER w/o GUIDE PIN POWER / SIGNAL / POWER	
L						linear .XXX±.005/0.XX±0.13		projection 			
						.XXX±.0020/.XXX±.051				product family PWRBLADE	code 213
						angles 0°±2°		INCH/MM		size	sheet 2
					dr	JRW 10-16-01		scale 1:1	A	51704	
					enrg	J.ALLISON 05-11-99					
					chr	J.ALLISON 10-16-01					
					appd	J.ALLISON 10-16-01					
sheet index	revision sheet										

Pro/E

cage code 22526

Tous droits strictement reserves. Reproduction ou communication a des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire.
Propriete de c FCI. Droits de reproduction FCI.



All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor.
Property of FCI. Copyright FCI.

PRODUCT NUMBER
51704-ABBCCCDDE0__
SEE NOTE 1

8. BOARD RETENTION NOT AVAILABLE WITH GUIDELESS ENDS.
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. $\varnothing 0.0453 \pm 0.0010$ [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 $\varnothing 0.040 \pm 0.003$ [1.02 ± 0.07] HOLE.
18. FOR PRESS FIT APPLICATION USE FCI CAM TOOL 430169-XXX.
19. A $\triangle$ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

CONFIDENTIAL

mat'l code				SEE NOTES				tolerances unless otherwise specified				CUSTOMER								www.fciconnect.com			
litr		ecn no.		dr		date		linear		.XX±.01/0.X±0.3		COPY		projection		title							
L										.XXX±.005/0.XX±0.13						VERTICAL HEADER w/o GUIDE PIN							
								angles		.XXX±.0020/.XXX±.051						POWER / SIGNAL / POWER							
										0°±2°													
				dr		JRW		10-16-01				INCH/MM				product family		PWRBLADE		code			
				enrg		J.ALLISON		05-11-99								size		dwg no		213			
				chr		J.ALLISON		10-16-01				scale		1:1		A		51704		sheet			
				appd		J.ALLISON		10-16-01												3			
sheet index		revision sheet																					

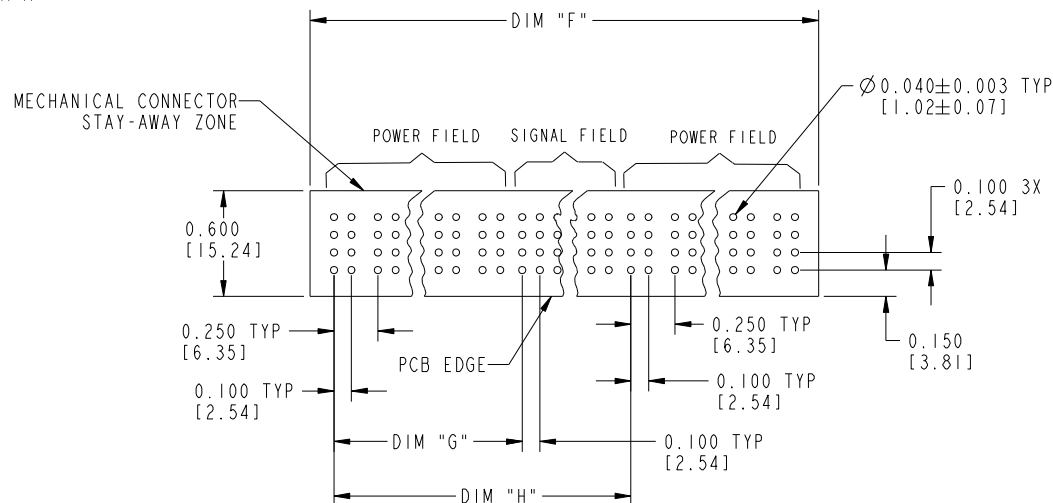
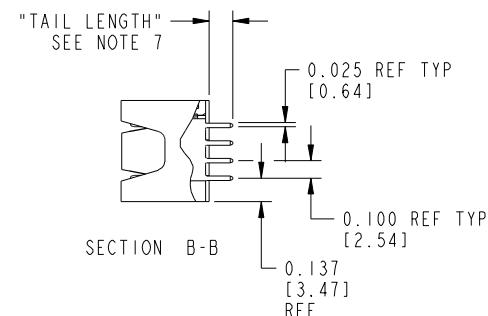
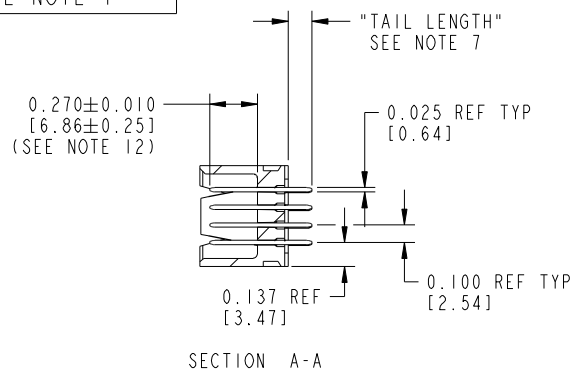
cage code 22526

Tous droits strictement réservés. Reproduction ou communication à des tiers interdite sous quelque forme que ce soit sans autorisation écrite du propriétaire. Propriété de c FCI. Droits de reproduction FCI.



All rights strictly reserved. Reproduction or issue to third parties in any form whatever is not permitted without written authority from the proprietor. Property of FCI. Copyright FCI.

PRODUCT NUMBER
51704-ABBCCCDDE0..
SEE NOTE 1



RECOMMENDED PCB LAYOUT

mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date			.XX±.01/0.X±0.3		COPY		www.fciconnect.com	
L						.XXX±.005/0.XX±0.13		projection		title VERTICAL HEADER w/o GUIDE PIN POWER / SIGNAL / POWER	
						.XXX±.0020/.XXX±.051					
						0°±2°		INCH/MM		product family	PWRBLADE
					dr	JRW	10-16-01	scale		size	dwg no
					enr	J. ALLISON	10-16-01			A	51704
					chr	J. ALLISON	10-16-01	1:1		code 213 sheet 4	
					appd	J. ALLISON	10-16-01				
sheet index	revision sheet									cage code 22526	

Pro/E

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[51704-10202402A0LF](#) [51704-10206002A0LF](#) [51704-10302403C0LF](#) [51704-10301203C0LF](#) [51704-10401204B0LF](#)
[51704-10401604C0LF](#) [51704-10601606C0LF](#)