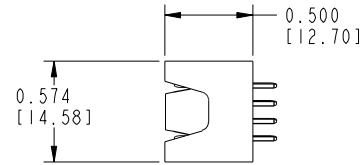
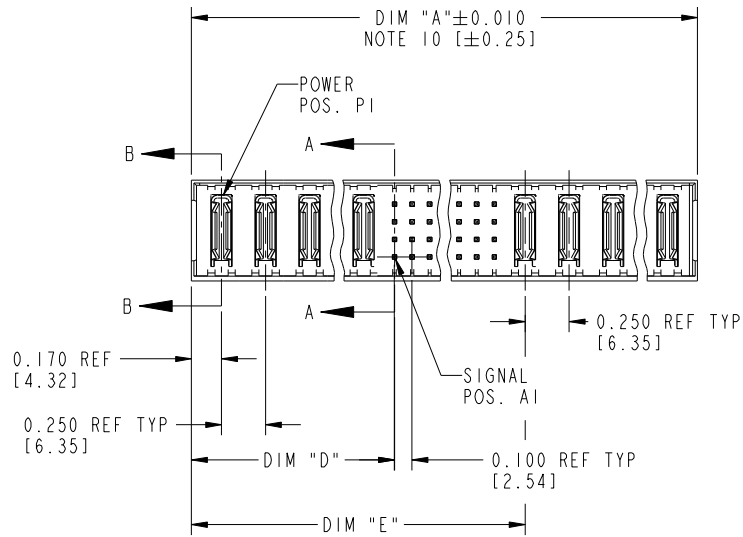
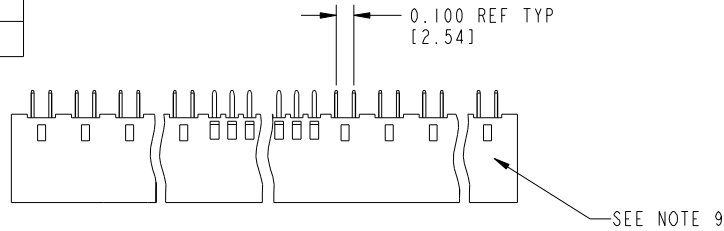


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PRODUCT NUMBER
51704-ABBCCDDE0...
SEE NOTE 1



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

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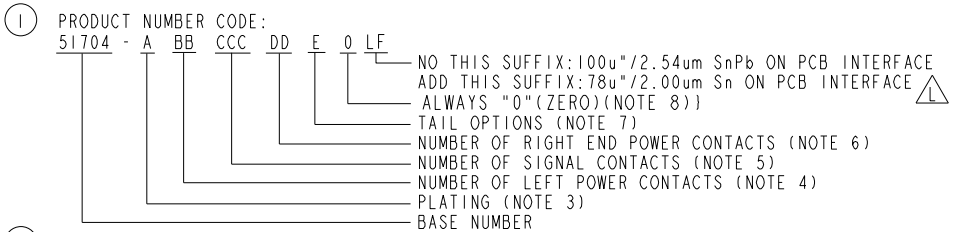


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PRODUCT NUMBER
51704-ABBCCDDE0_
SEE NOTE 1

DIM	LENGTH FORMULAS (SEE NOTE 10)
DIM "A"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .090 [2.29] (NOTE 10)
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



② HOUSING MATERIAL: UL94 V-0 GLASS FILLED HIGH TEMP THERMO PLASTIC.
 SIGNAL CONTACT MATERIAL: COPPER ALLOY
 POWER CONTACT MATERIAL: COPPER ALLOY
 PLATING OPTION: I
 I = SEE PRINT 10064183 FOR PLATING SPEC OF 51704-IBBCCDDE0; 51704-IBBCCDDE0LF

- 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.ficconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		projection	
L					.XXX±.005/0.XX±0.13			title	
				angles	.XXX±.0020/.XXX±.051	INCH/MM		VERTICAL HEADER w/o GUIDE PIN POWER / SIGNAL / POWER	
				dr	0°±2°	scale		product family	
				enr	JRW 10-16-01	1:1		PWRBLADE	
				chr	J.ALLISON 05-11-99	A		code	
				appd	J.ALLISON 10-16-01			213	
sheet index		revision sheet						size	
								dwg no	
								51704	
								sheet	
								2	
								cage code	
								22526	

1 | 2 | 3 | 4

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PRODUCT NUMBER
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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 Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		title	
L					.XXX±.005/0.XX±0.13	projection		VERTICAL HEADER w/o GUIDE PIN POWER / SIGNAL / POWER	
				angles	.XXX±.0020/.XX±.051			product family	
				dr	0°±2°	INCH/MM		PWRBLADE	
				enr	JRW 10-16-01	scale		code	
				chr	J.ALLISON 05-11-99	1:1		213	
				appd	J.ALLISON 10-16-01	A		sheet	
					J.ALLISON 10-16-01			3	
sheet index	revision sheet							3	

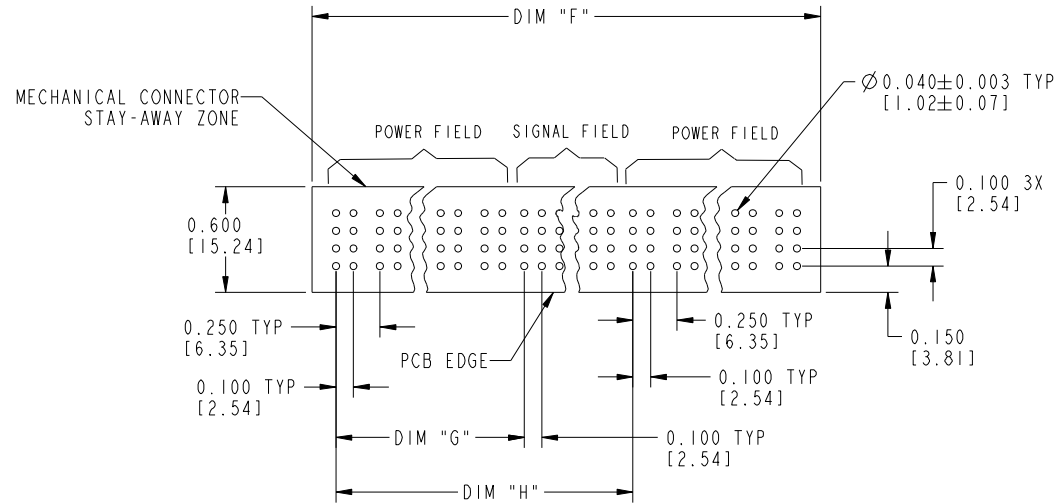
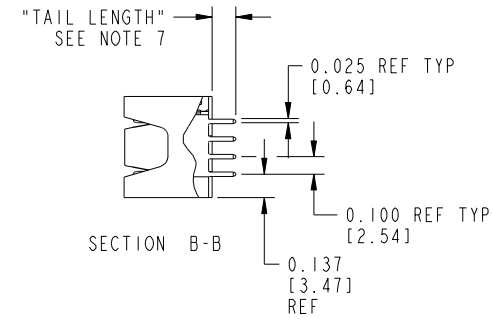
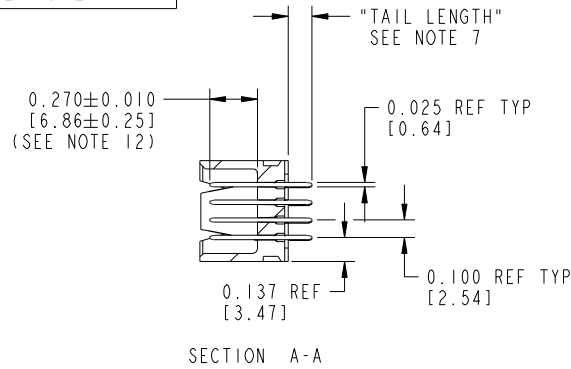
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
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SEE NOTE 1



RECOMMENDED PCB LAYOUT

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

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