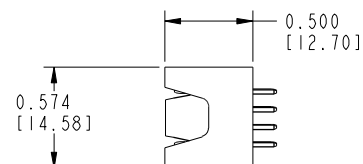
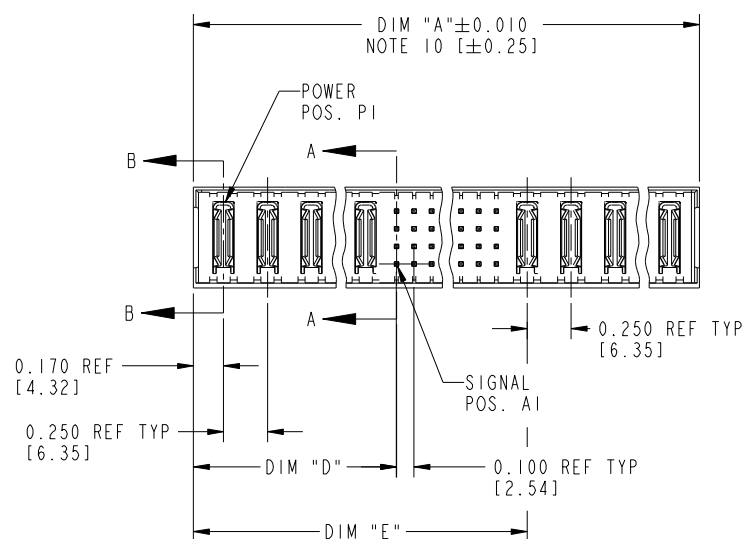
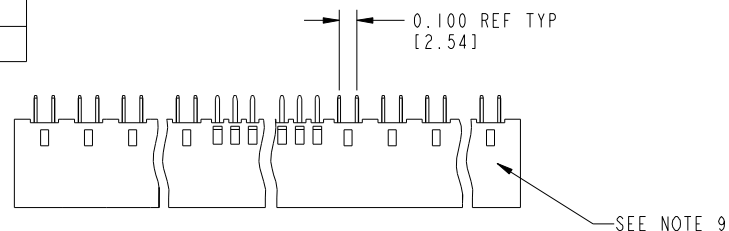


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PRODUCT NUMBER
51704-ABBCCCDDE0--
SEE NOTE 1



mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER	FCI		www.fciconnect.com	
litr	ecn no.	dr	date	linear		.XX±.01/0.X±0.3		COPY	projection			title
K	DG06-0011	CS	01/13/06			.XXX±.005/0.XX±0.13						
L	DG08-0239	JC	09/11/08	angles		.XXX±.0020/.XX±.051			INCH/MM			product family
				dr	JRW	10-16-01						
				enrg	J.ALLISON	10-16-01			scale			size
				chr	J.ALLISON	10-16-01						
				appd	J.ALLISON	10-16-01			1:1			dwg no
sheet index	revision sheet	L	L	L	L							
		1	2	3	4				A			code
									22526			213
									51704			sheet 1 of 4
									cage code			4

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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

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

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cage code 22526

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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.

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

Pro/E

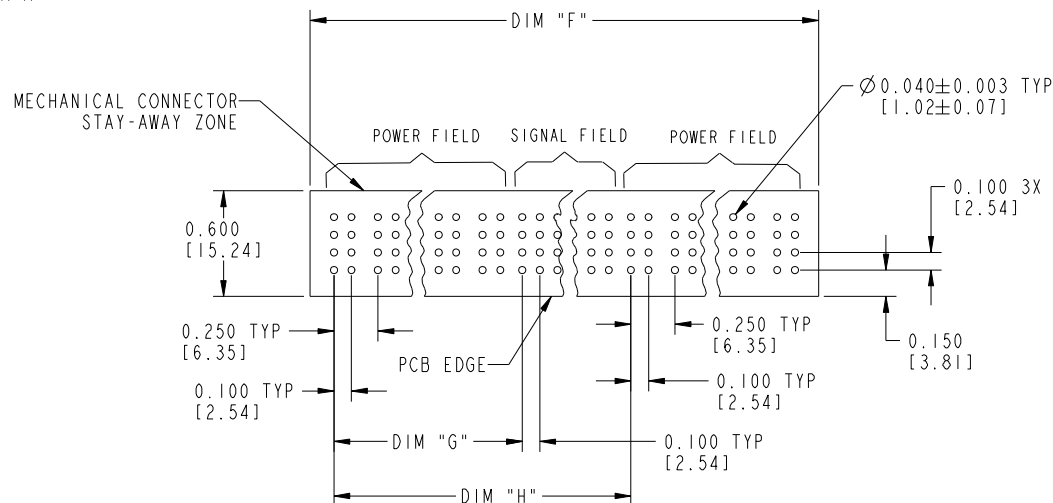
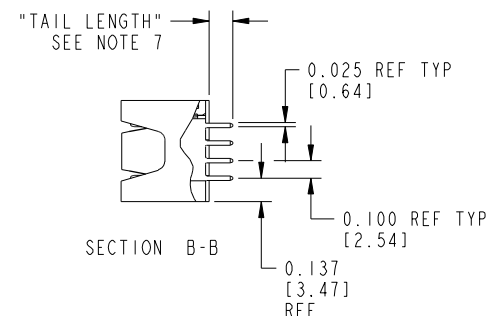
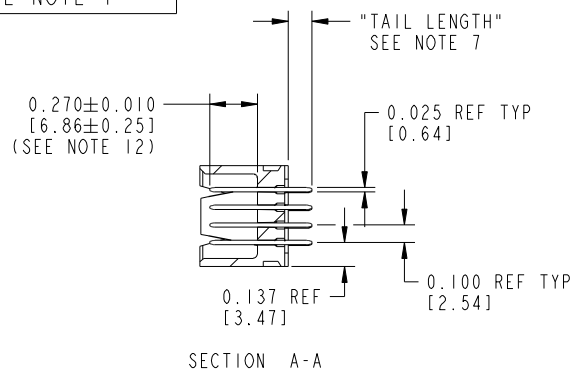
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PRODUCT NUMBER
51704-ABBCCCDDE0..
SEE NOTE 1



mat'l code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
litr	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					
					angles	0°±2°		INCH/MM		product family PWRBLADE	
					dr	JRW	10-16-01	scale 1:1		size dwg no	
					enrg	J. ALLISON	10-16-01			213	
					chr	J. ALLISON	10-16-01			sheet 4	
					appd	J. ALLISON	10-16-01			51704	
sheet index	revision sheet										

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[51704-10401604C0LF](#) [51704-10601606C0LF](#)