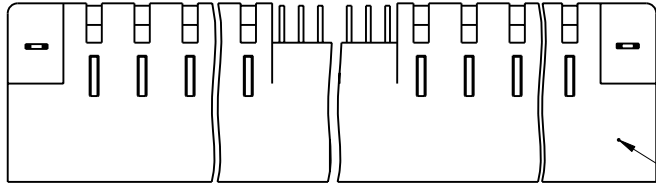


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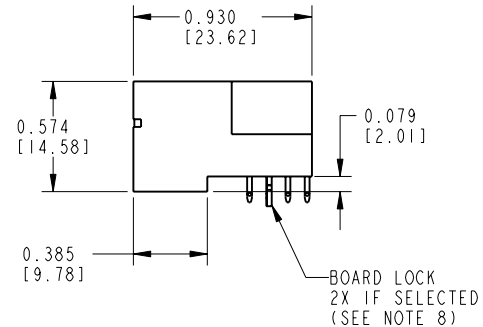
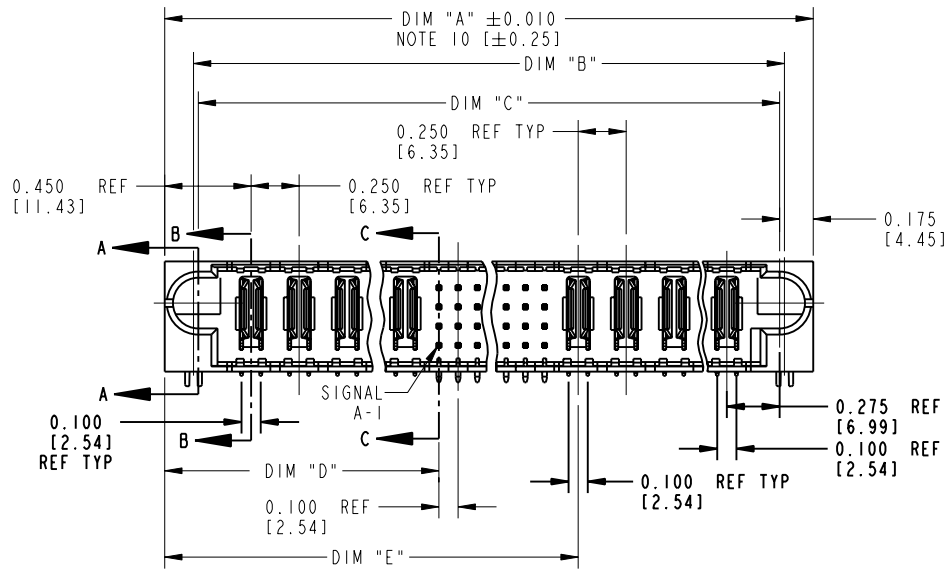


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PRODUCT NUMBER
51720- ABBCCCODEF.. NOTE ①
SEE NOTE 1



SEE NOTE 9



mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER COPY		ELECTRONICS www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX \pm .01/.X \pm .3	projection		title RIGHT ANGLE HEADER w/GUIDE PIN POWER / SIGNAL / POWER	
J	DG05-0132	SJ	05/23/05		.XXX \pm .005/.XX \pm .13			product family PwrBlade	
K	DG05-0485	GuoJM	11/21/05	angles	.XXX \pm .0020/.XXX \pm .051			code 213	
				dr	C. BAROT 05-04-99	INCH / MM		size A	
				engr	J. BROWN 05-04-99	scale 1:1		dwg no 51720	
				chr	J. BROWN 05-04-99			SHEET 1 OF 3	
				appd	J. BROWN 05-04-99				
sheet index	revision sheet	K 1	K 2	K 3					

form no. 7530-001-103

cage code 22526

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PRODUCT NUMBER	DIM	LENGTH FORMULAS (SEE NOTE 10)
51720- ABBCCDDEF.. NOTE ①	DIM "A"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .650 [16.51](NOTE 10)
SEE NOTE 1	DIM "B"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .350 [8.89]
	DIM "C"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .300 [7.62]
	DIM "D"	.250 [6.35] x BB + .375 [9.53]
	DIM "E"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .450 [11.43]
	DIM "F"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35] x DD + .680 [17.27]
	DIM "G"	.250 [6.35] x BB + .225 [5.72]
	DIM "H"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .250 [6.35]

CONNECTOR NOTES

- ① PRODUCT NUMBER CODE:
51720 - A BB CCC DD E F LF
- NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE
 - ADD THIS SUFFIX: 78u"/2.00um Sn OR 5u" Au ON PCB INTERFACE
 - RETENTION TO PCB (NOTE 8)
 - TAIL OPTIONS (NOTE 7)
 - NUMBER OF RIGHT END POWER CONTACTS (NOTE 6)
 - NUMBER OF SIGNAL CONTACTS (NOTE 5)
 - NUMBER OF LEFT END POWER CONTACTS (NOTE 4)
 - PLATING (NOTE 3)
 - BASE NUMBER

8. RETENTION TO PCB OPTIONS:
A = BOARD LOCK (REQUIRES .098 + .002, -.001 [2.49 +0.05, -0.03] THRU HOLE IN PCB).
MOUNTING FOOT THICKNESS: .220[5.59]
B = .150 [3.81] THRU HOLE (REQUIRES .158±.003 [4.01±08] THRU HOLE IN PCB).
MOUNTING FOOT THICKNESS: .160[4.06]
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. REFERENCE 51697 FOR SPECIALS WORKSHEET.

- ② HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: COPPER ALLOY
POWER CONTACT MATERIAL: COPPER ALLOY


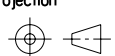
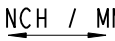
- ③ PLATING OPTION:
1 = SIGNAL CONTACTS: 50u" / 1.27um Ni UNDER ALL; 30u" / 0.76um Au ON THE CONTACT AREA AND WITH 100u"/2.54um SnPb OR 78u"/2.00um Sn ON PCB INTERFACE
POWER CONTACTS: 50u" / 1.27um Ni UNDER ALL; WITH 30u" / 76um Au ON CONTACT AREA WITH 100u"/2.54um SnPb OR 78u"/2.00um Sn ON PCB INTERFACE
- 3 = SIGNAL CONTACTS: 50u" / 1.27um Ni UNDER ALL; 30u" / 0.76um Au ON THE CONTACT AREA AND WITH 5u"/0.13um Au ON PCB INTERFACE
POWER CONTACTS: 50u" / 1.27um Ni UNDER ALL; WITH 30u" / 76um Au ON CONTACT AREA WITH 5u"/0.13um Au ON PCB INTERFACE

- ④ LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
- ⑤ SIGNAL CONTACTS, 004 TO 148 AVAILABLE.

6. RIGHT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
7. TAIL OPTIONS:
A = .135 [3.43] SOLDER TO BOARD

- PCB NOTES:
13. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
14. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004[0.10]
15. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
16. Ø0.0453 ±.001 [1.151 ±0.02] DRILLED HOLES PLATED WITH 0.0003 [0.007] MIN SnPb OVER 0.001 [1.03] TO .003 [0.08] PLATING TO ACHIEVE A .040±.003 [1.02±08] HOLE.

THIS FILE WAS ORIGINALLY CREATED IN THE PRO ENGINEER ENVIRONMENT AND ANY FUTURE REVISIONS TO THIS FILE MUST BE MADE IN THE PRO ENGINEER ENVIRONMENT

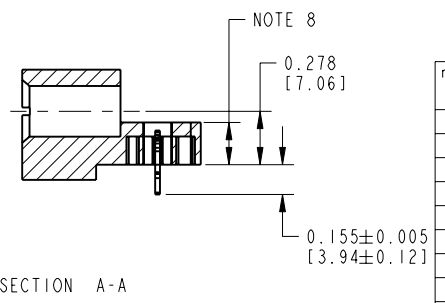
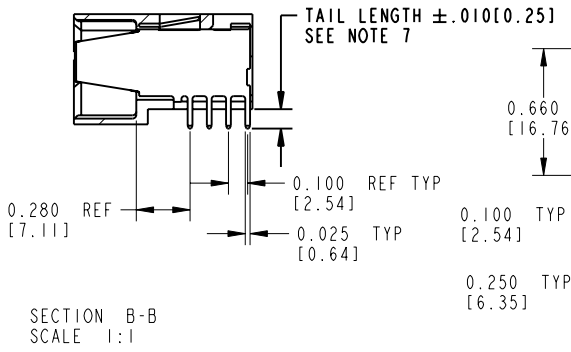
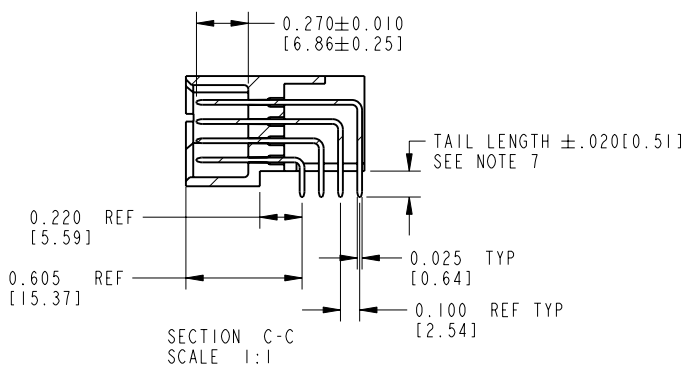
mat'l code				tolerances unless otherwise specified		CUSTOMER COPY		 ELECTRONICS www.fciconnect.com	
ltr	ecr no.	dr	date	linear	.XX±.01/.X±.3	projection		title	
K				angles	.XXX±.005/.XX±.13			RIGHT ANGLE HEADER w/GUIDE PIN POWER / SIGNAL / POWER	
				dr	.XXX±.0020/.XXX±.051		INCH / MM scale 1:1	product family	PwrBlade
				engr	0°±2°	size		51720	213
				chr	C. BAROT 05-04-99	A		SHEET 2 OF 3	
				appd	J. BROWN 05-04-99				
sheet index	revision sheet								

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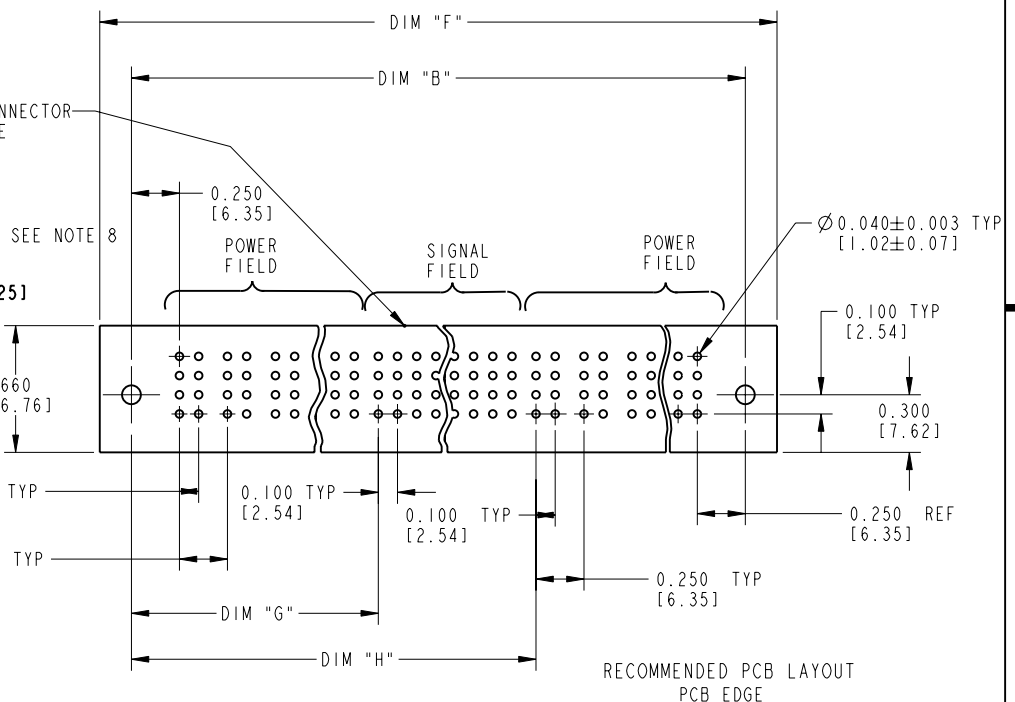


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PRODUCT NUMBER
51720- ABBCCDDEF...
NOTE ①



MECHANICAL CONNECTOR STAY-AWAY ZONE



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lfr	ecr no.	dr	date	linear	.XX±.01/.X±.3	projection		title RIGHT ANGLE HEADER w/GUIDE PIN POWER / SIGNAL / POWER	
K				angles	.XXX±.005/.XX±.13 .XXXX±.0020/.XXX±.051			product family	PwrBlade
				dr	C. BAROT 05-04-99	INCH / MM	size	dwg no	213
				enqr	J. BROWN 05-04-99	scale	A	51720	SHEET 3 OF 3
				chr	J. BROWN 05-04-99	1:1			
				appd	J. BROWN 05-04-99				
sheet index	revision sheet								

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