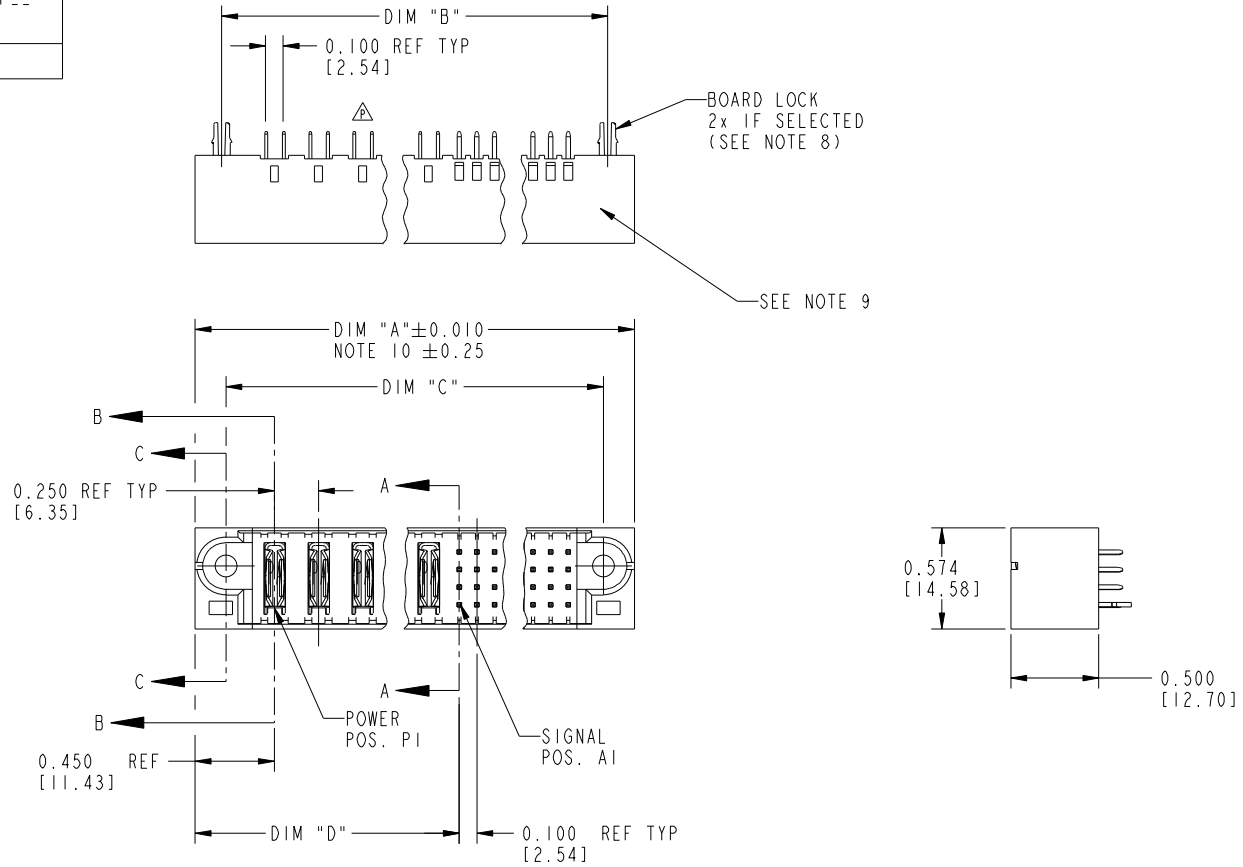


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PRODUCT NUMBER
51702-ABBCCC00EF--
Note: ①
SEE NOTE 1



mal't code				NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection		COPY		www.fciconnect.com	
L	DG05-0132	SJ	05/30/05	angles	.XXX±.005/0.XX±0.13	INCH/MM		title		VERTICAL HEADER w/ GUIDE PIN	
M	DG06-0505	CS	01/13/05		.XXX±.0020/.XXX±.051	scale		product family		PWRBLADE	
N	DG08-0239	JC	09/03/08		0°±2°	1:1		size		213	
P	DG10-0078	AL	02/23/10	dr	JRW	10-16-01		dwg no		51702	
				enr	J.ALLISON	10-16-01		product code		1 of 3	
				chr	J.ALLISON	10-16-01		sheet		1 of 3	
				appd	J.ALLISON	10-16-01		cage code		22526	
sheet index	revision sheet	P	P	P							
		1	2	3							

1 | 2

Pro/E

3 |

cage code 22526

4

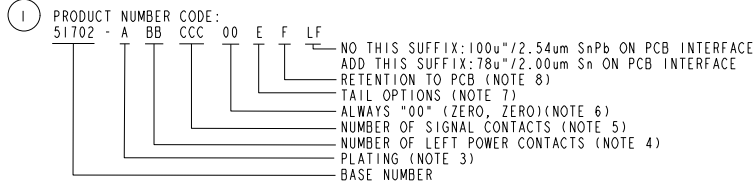
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PRODUCT NUMBER
51702-ABBCCC00EF-- Note: ①
SEE NOTE 1

DIM	LENGTH FORMULAS (SEE NOTE 10)
DIM "A"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .650 [16.51] (NOTE 10)
DIM "B"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .350 [8.89]
DIM "C"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .300 [7.62]
DIM "D"	.250 [6.35] x BB + .375 [9.53]
DIM "F"	.250 [6.35] x BB + .100 [2.54] x (CCC/4) + .680 [17.27]
DIM "G"	.250 [6.35] x BB + .225 [5.72]

CONNECTOR NOTES



- 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 = SEE PRINT 10064183 FOR PLATING SPEC OF 51702-1BBCCC00EF; 51702-1BBCCC00EFLF.
- ④ LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE.
- ⑤ SIGNAL CONTACT, 004 TO 148 AVAILABLE.
- ⑥ THIS PART NOT AVAILABLE WITH RIGHT SIDE POWER CONTACTS.
- 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
- ⑧ RETENTION TO PCB OPTIONS:
A = BOARD LOCK (REQUIRES 0.098 +0.002/-0.001 [2.49 +0.05/-0.03] THRU HOLE IN PCB). (NOT AVAILABLE WITH PRESS FIT)
C = NO RETENTION FEATURE (ALL PRESS FIT).

- 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 (91696) 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. Ø0.098 [2.49] THROUGH HOLES ARE UNPLATED
 - 18. 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.
 - 19. FOR PRESS FIT APPLICATION USE FCI CAM TOOL 430169-XXX.
 - 20. A Δ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l code		NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecr no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		title			
P				angles	.XXX±.005/0.XX±0.13	projection		VERTICAL HEADER w/ GUIDE PIN POWER / SIGNAL			
				dr	.XXX±.0020/.XXX±.051	INCH/MM		product family		code	
				enr	0°±2°	scale		PWRBLADE		213	
				chr	JRW 10-16-01	1:1		size		sheet	
				appd	J.ALLISON 10-16-01	A		dwg no		2	
sheet index	revision sheet							51702			

cage code 22526

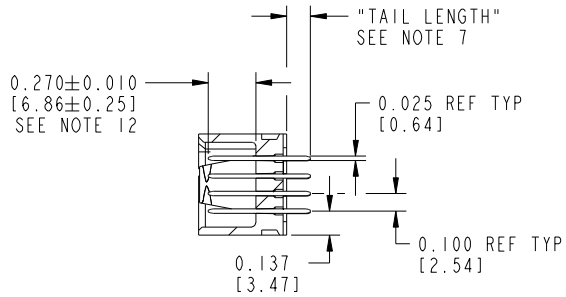
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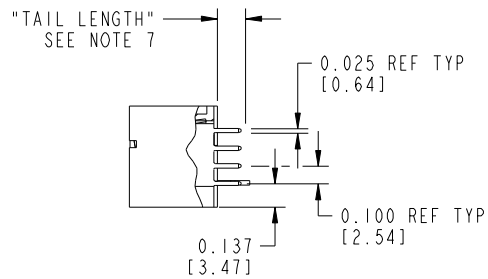


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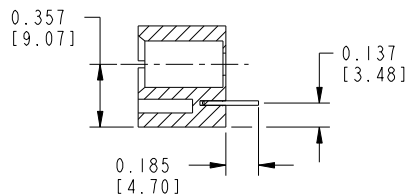
PRODUCT NUMBER
51702-ABBCCC00EF -- Note: ①
SEE NOTE 1



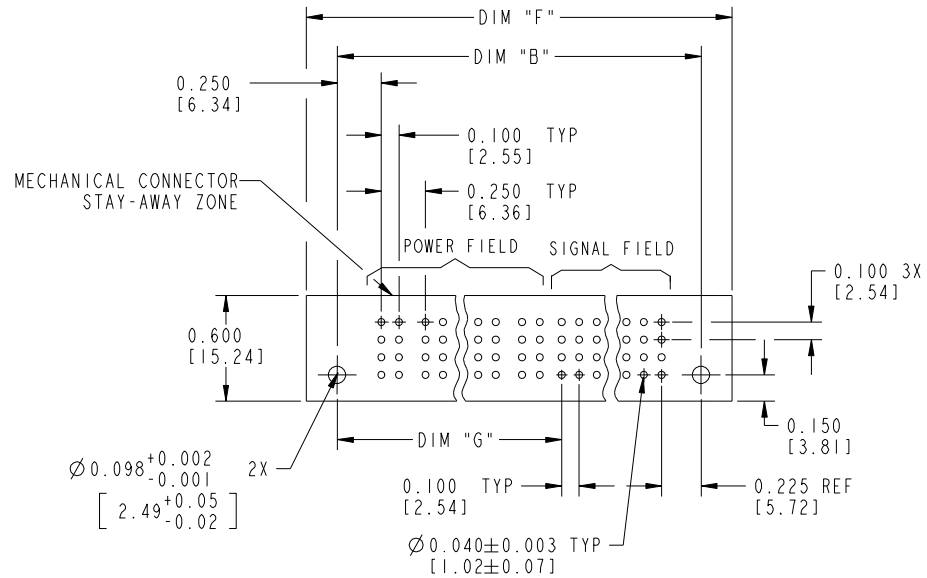
SECTION A-A



SECTION B-B



SECTION C-C



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 VERTICAL HEADER w/ GUIDE PIN POWER / SIGNAL	
P				angles	.XXX±.005/0.XX±0.13 .XXX±.0020/.XXX±.051	projection	product family PWRBLADE		code 213
				dr	0°±2°	 INCH/MM			size A
				enr	JR	JRW	10-16-01	product family 51702	
				chr	J.A	J.A	10-16-01		scale 1:1
				appd	J.A	J.A	10-16-01		
sheet index	revision sheet								

Pro/E

cage code 22526