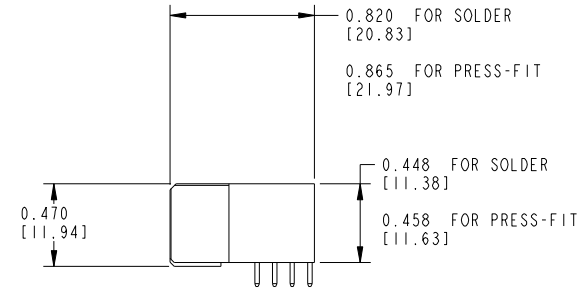
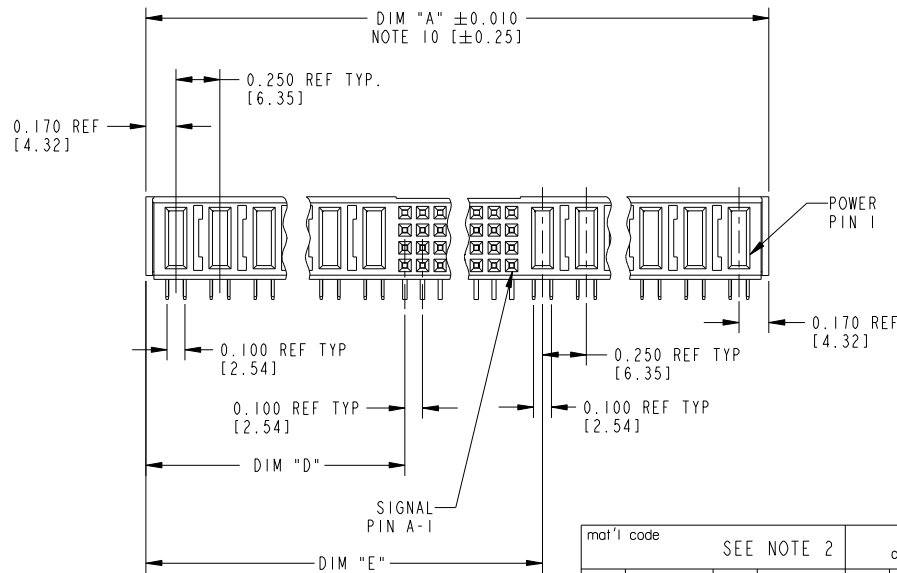
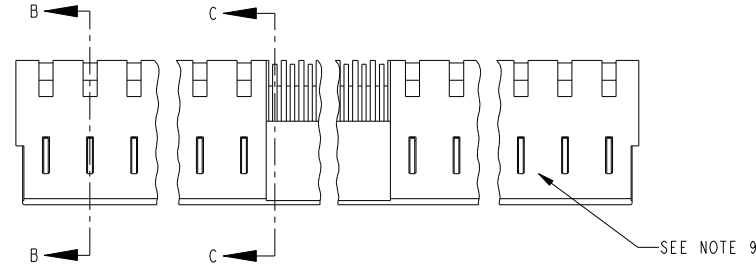


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PRODUCT NUMBER
51764- ABBCCDDDE0..
SEE NOTE 1



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mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER COPY		FCI		www.fciconnect.com	
ltr	ecr no.	dr	date	linear		.XX±.01/.X±.3		projection		title			
J	D606-0177	RYAN	05/08/06			.XXX±.005/.XX±.13				RIGHT ANGLE RECEPTACLE w/o GUIDE PIN POWER / SIGNAL / POWER			
K	D607-0012	Julia	01-11-07			.XXX±.0020/.XX±.051							
L	D608-0239	JC	09/11/08		angles	0°±2°							
F	V02389	JRW	10-05-00	enr	dr	D608 05-18-99		INCH / MM		product family		PWRBLADE	code
G	V21512	TAB	10-04-02	chr	J. BROWN	05-18-99		scale 1:1		size A	dwg no 51764	SHEET 1 OF 3	213
H	V03-0769	TAB	07-17-03	appd	J. BROWN	05-18-99							
sheet index		revision sheet		L	L	L							
				1	2	3							

form no. 7530-001-103

cage code 22526

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PRODUCT NUMBER	DIM	LENGTH FORMULAS (SEE NOTE 10)
51764- ABBCCDDE0_	DIM "A"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .090 [2.29] (NOTE 10)
SEE NOTE 1	DIM "D"	.250 [6.35] x DD + .095 [2.41]
	DIM "E"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .170 [4.32]
	DIM "F"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .120 [3.05]
	DIM "G"	.250 [6.35] x DD - .025 [0.64]
	DIM "H"	.250 [6.35] x DD + .100 [2.54] x (CCC/4)

#### CONNECTOR NOTES

- ① PRODUCT NUMBER CODE:  
51764 - A BB CCC DD E 0 LF
- WITH THIS SUFFIX: Sn OR Au PLATING AT PCB INTERFACE  
W/O THIS SUFFIX: SnPb PLATING AT PCB INTERFACE  
ALWAYS '0' (ZERO) (NOTE 8)  
TAIL OPTIONS (NOTE 7)  
NUMBER OF LEFT END POWER CONTACTS (NOTE 6)  
NUMBER OF SIGNAL CONTACTS (NOTE 5)  
NUMBER OF RIGHT POWER CONTACTS (NOTE 4)  
PLATING (NOTE 3)  
BASE NUMBER

- 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 = SEE PRINT 10064183 FOR PLATING SPEC OF 51764-IBBCCDDE0; 51764-IBBCCDDE0LF

- ④ RIGHT END POWER CONTACTS, 01 TO 19 AVAILABLE.  
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR

- ⑤ SIGNAL CONTACTS, 004 TO 148 AVAILABLE FOR SOLDER TO BOARD.  
020 TO 148 AVAILABLE FOR PRESS-FIT TO BOARD.

- ⑥ LEFT END POWER CONTACTS, 01 TO 19 AVAILABLE.  
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR

- ⑦ TAIL OPTIONS:  
A = .135 ±.01 [3.43 ±0.25] SOLDER TO BOARD  
B = .090 +.005 / -.010 [2.29 +0.13 / -.25]  
SOLDER TO BOARD  
C = .154 ±.010 [3.91 ±0.25] PRESS-FIT TO BOARD

- 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. APPLICATION SPECIFICATION BUS-20-067

13. FOR PRESS-FIT CONNECTORS USE FCI CAM TOOL 430140-XXX  
TO APPLY CONNECTOR TO PCB.

#### PCB NOTES:

14. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.

15. ALL THROUGH HOLES ARE LOCATED WITH A  
TRUE POSITION OF .004[0.10]

16. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

- ⑪ 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±0.08] HOLE.

18. A ΔSYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE  
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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THIS FILE MUST BE MADE IN THE PRO ENGINEER  
ENVIRONMENT

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER COPY		FCI		www.fciconnect.com	
litr	ecn no.	dr	date			.XX±.01 / .X±.3		projection		title			
L						.XXX±.005 / .XX±.13				RIGHT ANGLE RECEPTACLE w/o GUIDE PIN POWER / SIGNAL / POWER			
						.XXX±.0020 / .XX±.051							
						angles	0° ± 2°			product family			
						dr	D80GLE 05-18-99			PWRBLADE			
						enrg	J. BROWN 05-18-99	INCH / MM		size		dwg no	
						chr	J. BROWN 05-18-99			scale		51764	
						appd	J. BROWN 05-18-99					SHEET 2 OF 3	
sheet index		revision sheet											

form no. 7530-001-103

1 2

3

cage code 22526

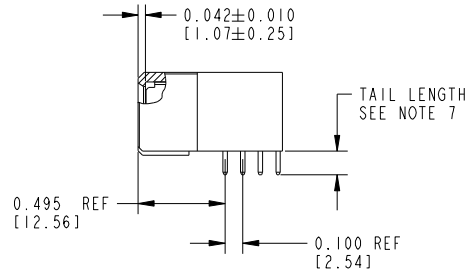
4

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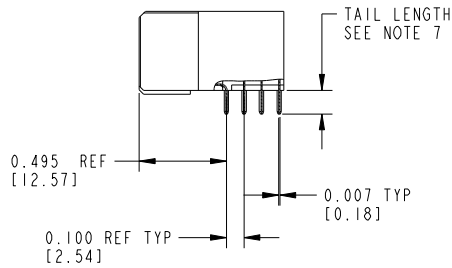


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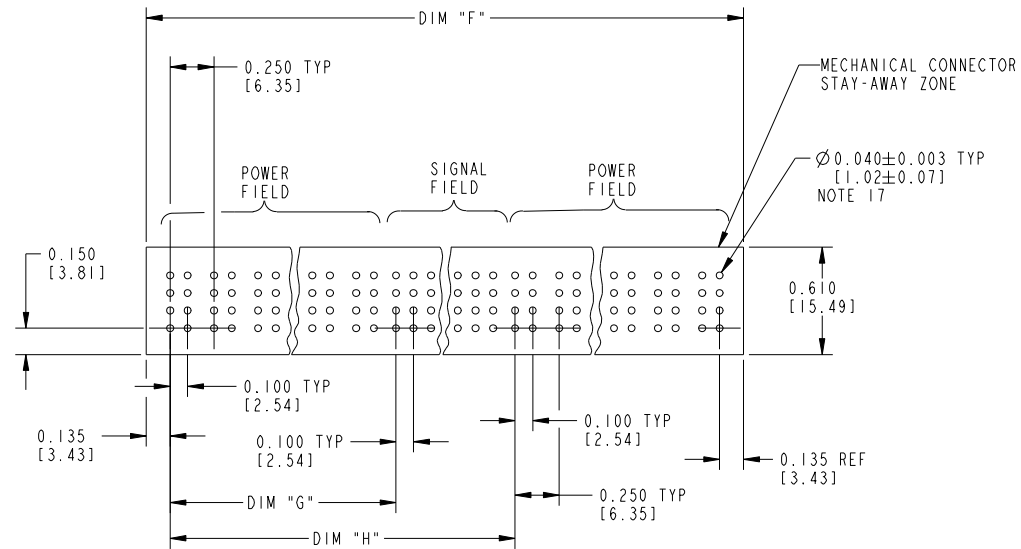
PRODUCT NUMBER
51764- ABBCCCDDE0_
SEE NOTE 1






SECTION B-B



SECTION C-C



RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER COPY								www.fciconnect.com			
litr	ecr no.	dr	date	linear	.XX±.01/.X±.3				projection 	title RIGHT ANGLE RECEPTACLE w/o GUIDE PIN POWER / SIGNAL / POWER													
L					.XXX±.005/.XX±.13																		
					.XXX±.0020/.XXX±.051																		
				angles	0°±2°				INCH / MM  scale 1:1	product family				PWRBLADE				code					
		dr		D.BOGLE		05-18-99		size				dwg no				51764							
		enrg		J. BROWN		05-18-99		213															
		chr		J. BROWN		05-18-99		SHEET 3 OF 3															
		appd		J. BROWN		05-18-99																	
sheet index		revision sheet																					

form no. 7530-001-103

cage code 22526