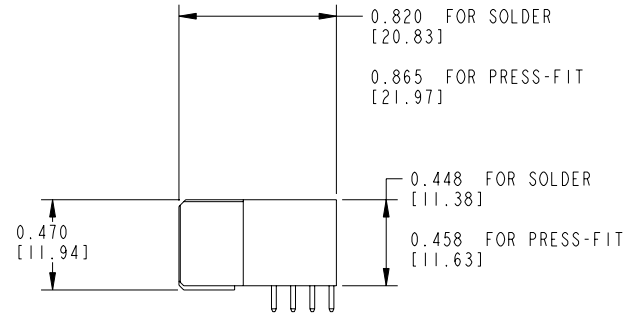
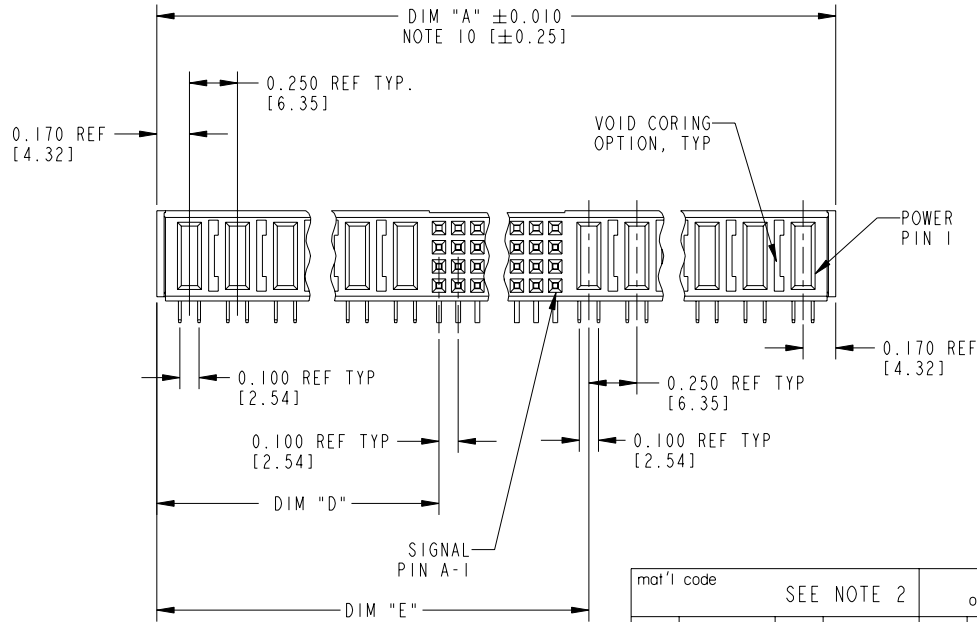
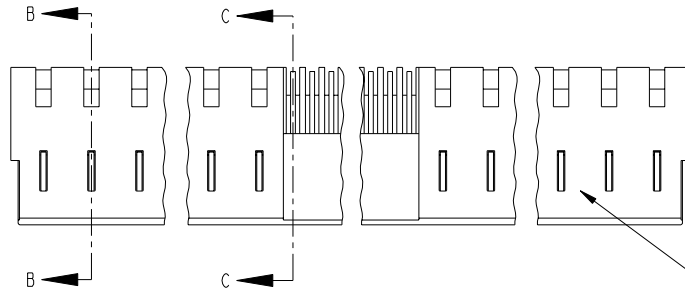


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PRODUCT NUMBER
51764- ABBCCDDE0..
SEE NOTE 1



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER COPY		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/.XX±.3		projection			title	
J	DG06-0177	RYAN	05-08-06		.XXX±.005/.XX±.13					RIGHT ANGLE RECEPTACLE w/o GUIDE PIN POWER / SIGNAL / POWER	
K	DG07-0012	JULIA	01-11-07	angles	.XXX±.0020/.XXX±.051				product family		
D	V94414	EKK	01-05-00		0°±2°				PWRBLADE		
E	V01397	EKK	06-12-00	dr	D. BOGLE	05-18-99	INCH / MM		code	213	
F	V02389	JRW	10-05-00	engr	J. BROWN	05-18-99	scale		size	dwg no	
G	V21512	TAB	10-04-02	chr	J. BROWN	05-18-99	1:1		51764		
H	V03-0769	TAB	07-17-03	appd	J. BROWN	05-18-99			SHEET 1 OF 3		
sheet index		revision sheet	K 1	K 2	K 3						

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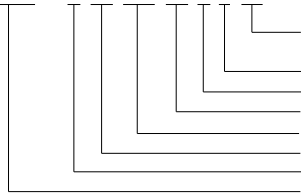
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PRODUCT NUMBER	DIM	LENGTH FORMULAS (SEE NOTE 10)
51764- ABBCDDDE0_	DIM "A"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .090 [2.29] (NOTE 10)
SEE NOTE 1	DIM "D"	.250 [6.35] x DD + .095 [2.41]
	DIM "E"	.250 [6.35] x DD + .100 [2.54] 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 = 50u" / 1.27um Ni UNDERPLATED OVERALL; 30u" / .76um Au ON CONTACT AREA;  
 100u" / 2.54um SnPb OR 78u" / 1.98um Sn AT PCB INTERFACE  
 3 = 50u" / 1.27um Ni UNDERPLATED OVERALL; 30u" / .76um Au ON CONTACT AREA;  
 5u" / 0.13um Au AT PCB INTERFACE

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 / -0.25]  
 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.

⑰ Ø 0.0453 ± .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.

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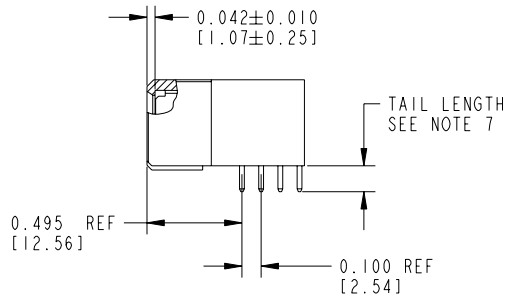
mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER COPY		FCI www.fciconnect.com	
ltr	ecr no.	dr	date	linear	.XX±.01/.XX±.3	projection	title		RIGHT ANGLE RECEPTACLE w/o GUIDE PIN POWER / SIGNAL / POWER		
K				angles	.XXX±.005/.XX±.13		product family		PWRBLADE		code
				dr	.XXX±.0020/.XXX±.051	INCH / MM	size		51764		213
				enr	0°±2°	scale	A		SHEET		2 OF 3
				chr	D. BOGLE 05-18-99	cage code		22526		4	
				appr	J. BROWN 05-18-99						
sheet index	revision sheet										

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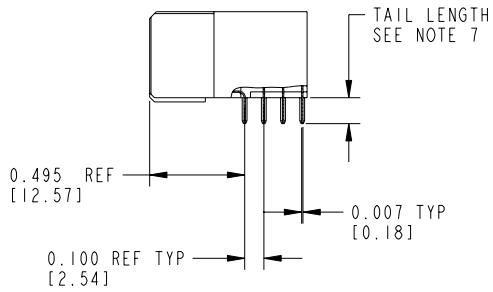


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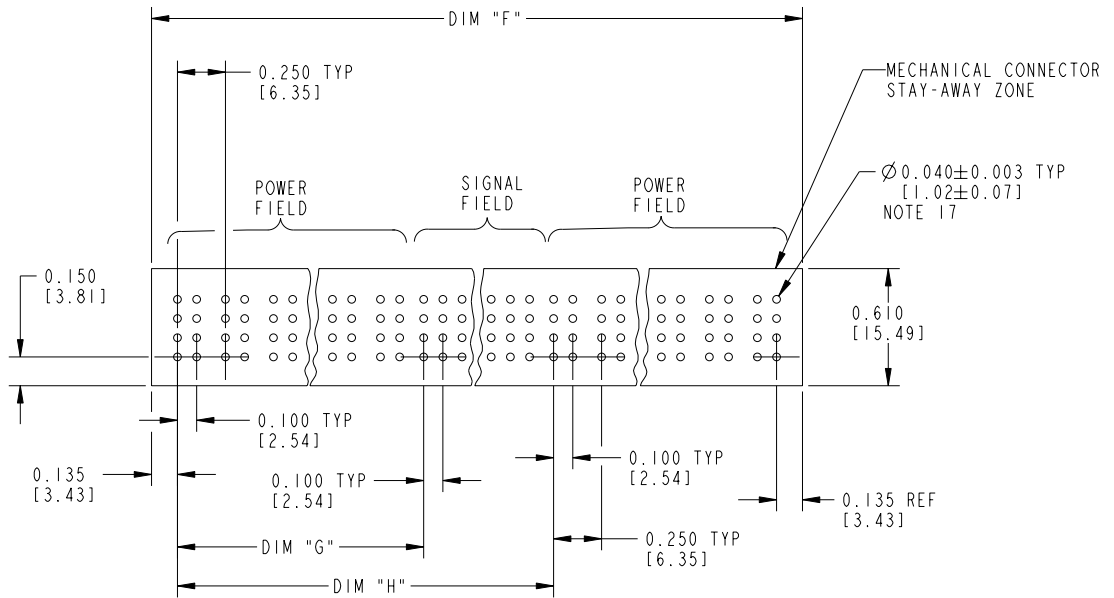
PRODUCT NUMBER
51764- ABCCDDDE0_
SEE NOTE 1



SECTION B-B



SECTION C-C



RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER COPY		www.fciconnect.com	
ltr	ecr no.	dr	date	linear	.xx±.01/.xx±.3		projection			title	
k					.xxx±.005/.xx±.13					RIGHT ANGLE RECEPTACLE w/o GUIDE PIN POWER / SIGNAL / POWER	
				angles	.xxx±.0020/.xxx±.051		INCH / MM		product family		
					0°±2°				PWRBLADE		
				dr	D. BOGLE	05-18-99	scale		size	dwg no	code
				enr	J. BROWN	05-18-99	1:1		A	51764	213
				chr	J. BROWN	05-18-99					SHEET
				appd	J. BROWN	05-18-99					3 OF 3
sheet index		revision sheet								cage code	
										22526	