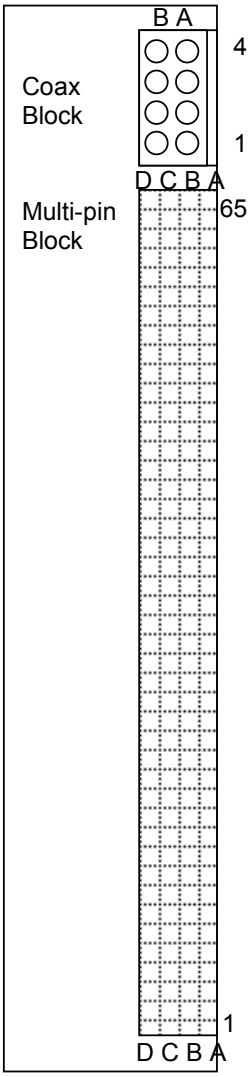
GPSR Rear Connector Pinouts

This information is both tentative and subject to confirmation!
Copyright © 2007 Murray Greenman ZL1BPU

View of rear panel (scale about 1:2)





COAX BLOCK			
B4		A4	GPS Antenna
B3	10MHz –3dBm	A3	
B2	10MHz –3dBm	A2	
B1	10MHz –3dBm	A1	

MULTI-PIN BLOCK				
	D	C	B	A
65	0V	0V	0V	RF Gnd
64	+4.47V	+4.47V	0V	
63	+4.47V	+4.47V	0V	DC In (A)
62	+4.47V	+4.47V	0V	DC In (A)
61	+4.47V	+4.47V	0V	DC In (A)
60	+4.47V	+4.47V	0V	DC In (A)
59	+4.47V	+4.47V	0V	DC In (A)
58	+4.47V	+4.47V	0V	DC In (B)
57	+4.47V	+4.47V	0V	DC In (B)
56	+4.47V	+4.47V	0V	DC In (B)
55	+4.47V	+4.47V	0V	DC In (B)
54	+4.47V	+4.47V	0V	DC In (B)
53	+4.47V	+4.47V	0V	0V
52	+4.47V	+4.47V	0V	+5V
51	+4.47V	+4.47V	0V	0V
50	+4.47V	+4.47V	0V	+2V
49	+4.47V	+4.47V	0V	+2V
48	+4.47V	+4.47V	0V	0V
47	+4.47V	+4.47V	0V	19.6608 MHz
46	0V	0V	+4.47V	0V
45	20mS +ve	20mS -ve	20mS +ve	20mS -ve
44	0V	0V	0V	0V
43	125uS +ve	125uS -ve	125uS +ve	125uS -ve
42	0V	0V	0V	0V
41	1.544 MHz	1.544 MHz	1.544 MHz	1.544 MHz
40	0V	0V	0V	0V
39	4.096 MHz	4.096 MHz	4.096 MHz	4.096 MHz
38	0V	0V	0V	0V
37	+4.2V	2s pulse	0V	0V
36	+4.2V	2s pulse	0V	0V
35	+4.2V	2s pulse	0V	5V
34	+4.2V	2s pulse	0V	0V
33	+4.2V	2s pulse	0V	5V
32	+4.2V	2s pulse	0V	0V
31	+4.2V	2s pulse	0V	0V
30	+4.2V	2s pulse	0V	0V
29	+4.2V	2s pulse	0V	0V
28	+4.2V	2s pulse	0V	5V
27	+4.2V	2s pulse	0V	0V
26	+4.2V	2s pulse	0V	5V
25	+4.2V	2s pulse	0V	0V
24	+4.2V	2s pulse	0V	0V
23	+4.2V	2s pulse	0V	5V
22	+4.2V	2s pulse	0V	0V
21	+4.2V	2s pulse	0V	0V
20	+4.2V	2s pulse	0V	5V
19	0V	0V	0V	0V
18	+4.47V	+4.47V	0V	0V
17	+4.47V	+4.47V	0V	0V
16	+4.47V	+4.47V	0V	5V
15	+4.47V	+4.47V	0V	0V
14	+4.47V	+4.47V	0V	0V
13	+4.47V	+4.47V	0V	0V
12	+4.47V	+4.47V	0V	0V
11	+4.47V	+4.47V	0V	0V
10	+4.47V	+4.47V	0V	0V
9	+4.47V	+4.47V	0V	0V
8	+4.47V	+4.47V	0V	5V
7	+4.47V	+4.47V	0V	0V
6	+4.47V	+4.47V	0V	GPS –ve
5	+4.47V	+4.47V	0V	GPS +ve
4	+4.47V	+4.47V	0V	0V
3	+4.47V	+4.47V	0V	+2V
2	+4.47V	+4.47V	0V	+2V
1	+4.47V	+4.47V	0	0V

Notes:

DC in (A) is 20 – 56V DC with respect to DC In (B).

1.544 & 4.096 MHz clocks: 2v ppk square wave
19.6608 MHz – 5v ppk sine wave

2s pulses: 75uS triangular -ve going ramp starting on a +3v DC pedestal, 2 sec apart

125uS pulses: 0.6uS wide
20mS pulses: 4mS wide