

pin	frequency	duty cycle	phase	same	resistor	goes to	notes
1	5.6433 MHz	25%			R165	IC44.72	
2	GND						
3	VCC						
4	11.2887 MHz	25%	0	4, 5, 6	R144	IC37.36, IC38.36, IC39.36	on C59 to GND
5	11.2887 MHz	25%	0	4, 5, 6	R170	IC40.71	on C60 to GND
6	11.2887 MHz	25%	0	4, 5, 6	R167	IC44.76	on C61 to GND
7	11.2887 MHz	75%	0	7, 8	R157	PL14.10	inverse of 4
8	11.2887 MHz	75%	0	7, 8	R162	IC44.69	
9	11.2887 MHz	50%			R156	PL14.11	
10	22.5773 MHz	50%			R175	IC21.3	
11	2.82217 MHz	50%			R174	PL3.2	
12	GND						
13	VCC						
14	2.82217 MHz				R173	IC44.77	double negative pulses
15	1.4108 MHz	50%		15, 65	-	IC45.2	
16	2.82217 MHz	87%		16, 69	R182	PL3 (EFM1)	
17	0 V				R183	PL14	
18	0 V				R184	PL14	
19	0 V						
20	0 V						
21	0 V						
22	GND						
23	VCC						
24	5 V						
25	5 V						
26	5 V						
27	45.1547 MHz sine						crystal
28	45.1547 MHz sine						crystal
29	4.4-4.7 V						analog?
30	pulses						data?
31	GND						
32	VCC						
33	5 V						
34	5 V						
35	0 V						
36	5V, short negative pulses						
37	160 mV						not connected?
38	11.2887 MHz	60%			R176	IC37.37, IC38.37, IC39.37, IC44.73	
39	?						not connected?
40	11.2887 MHz	60%					
41	5 V				R135	IC44.100	
42	GND						
43	VCC						
44	344.5 Hz	50%			R123	IC44.101	
45	344.5 Hz				R124	IC40.70	positive pulses
46	344.5 Hz				R125	IC44.102	positive pulses
47	0 V						
48	0 V						
49	0 V						
50	0 V						
51	5.64434 MHz	50%			R168	IC44.103	counter LSB?
52	2.82217 MHz	50%			R143	IC44.104	
53	GND						
54	VCC						
55	1.41108 MHz	50%			R148	IC44.105	
56	705.542 kHz	50%			R177	IC37.26, IC38.26, IC39.26, IC44.106	
57	352.771 kHz	50%			R147	IC37.27, IC38.27, IC39.27, IC44.107	
58	176.386 kHz	50%			R146	IC37.28, IC38.28, IC39.28, IC44.108	
59	88.1928 kHz	50%			R145	IC37.29, IC38.29, IC39.29, IC44.109	
60	44.0964 kHz	50%			R136	IC44.110	
61	22.0482 kHz	50%			R134	IC44.99	
62	GND						
63	VCC						
64	1.41108 MHz	50%	180	inverse of 65	R169	IC37.25, IC38.25, IC39.25	
65	1.41108 MHz	50%	0	15, 65	R171	IC37.54, IC38.54, IC39.54	
66	2.82217 MHz	81%	0	66, 67	R155	PL14.12	
67	2.82217 MHz	81%	0	66, 67	R161	IC44.79	
68	2.82217 MHz	81%	90	similar to 69	R160	IC40.74, IC44.32	
69	2.82217 MHz	87%	90	16, 69	R163	IC44.75	
70	2.82217 MHz	87%	180	70, 71	R159	PL13.8	
71	2.82217 MHz	81%	180	70, 71	R166	IC44.74	
72	GND						
73	VCC						
74	2.82217 MHz	81%	270	74, 75	R150	IC37.32, IC38.32, IC39.32	
75	2.82217 MHz	81%	270	74, 75	R158	IC40.73	
76	2.82217 MHz	62%	0	76, 77, 78	R154	IC38.33, IC38.35, IC39.33	
77	2.82217 MHz	62%	0	76, 77, 78	R153	IC37.33	
78	2.82217 MHz	62%	0	76, 77, 78	R164	IC44.71	
79	2.82217 MHz	62%	90	79, 80	R152	IC23.11, IC38.34, IC39.34, IC39.35	
80	2.82217 MHz	62%	90	79, 80	R151	IC37.34, IC37.35	