

MTR2-Voltage Charts

Device

U1 SA612 should be	measure	function
Pin1	1.4	1.39 Rfin
Pin2	1.4	1.39 Rfin
Pin3	0	0 GND
Pin4	3.9	3.86 OUT
Pin5	3.9	3.36 OUT
Pin6	4.9	5 OSC
Pin7	4.3	4.56 OSC
Pin8	5	5.05 V+

U3 SA612 should be	measure	function
Pin1	1.4	1.4 Rfin
Pin2	1.4	1.4 Rfin
Pin3	0	0 GND
Pin4	3.9	3.85 OUT
Pin5	3.9	3.84 OUT
Pin6	4.9	5.02 OSC
Pin7	4.3	4.26 OSC
Pin8	5	5.05 V+

U2 LM480i should be	measure	function
Pin1	2.5	2.54 OUT
Pin2	2.5	2.54 -IN
Pin3	2.5	1.46 +IN
Pin4	0	0 GND
Pin5	2.5	2.53 +IN
Pin6	2.5	2.54 -IN
Pin7	2.5	2.54 OUT
Pin8	5	5.06 V+

U9 SPDT shoule be	measure	function
Pin1	2.2	2.5 audio in
Pin2	0	0 GND
Pin3	0	2.5 ST in
Pin4	2.2	2.5 audio out
Pin5	5	5.05 V+
Pin6	3.5	3.21 control

U5 LM386 shoule be	measure	function
Pin1		gain
Pin2	0	0 -IN
Pin3	0	0 +IN
Pin4	0	0 GND
Pin5	2.5	2.45 OUT
Pin6	5	5.05 V+
Pin7		
Pin8		gain

U10 MPU should be	measure	function
Pin1	0	0 test
Pin2	3.3	3.3 V+
Pin3	0	0 ST out
Pin4	0	0 GND
Pin5	2.7	0.32 osc
Pin6	1.7	0 osc
Pin7	3	3.3 reset
Pin8	3.3	3.3 Tune dn
Pin9	3.3	3.3 Dash in
Pin10	3.3	3.3 Dot in
Pin11	3.3	3.3 7seg
Pin12	3.3	3.3 7seg
Pin13	3.3	3.3 7seg
Pin14	3.3	3.3 7seg
Pin15	3.3	3.3 7seg
Pin16	3.3	3.3 7seg
Pin17	3.3	3.3 7seg
Pin18	3.3	3.3 7seg
Pin19	.5-1.2	0.81 Batt V
Pin20	0/3.3	2.84 Band V
Pin21	3.3	3.3 RIT
Pin22	3.3	3.3 Menu
Pin23	3.3	3.3 Tune up
Pin24	0	0.1 Tx key
Pin25	0	0.12 DDS
Pin26	3.3	0.84 DDS
Pin27	3.3	3.3 DDS
Pin28	3.3	3.3 Mute

U6 DDS should be	measure	function
Pin1	1.13	0.47 FS ADJ
Pin2	1.17	0.57 REF out
Pin3	1.76	0.81 COMP
Pin4	3.3	3.34 AVDD
Pin5	3.3	0 DVDD
Pin6	2.4	0 CAP
Pin7	0	0 DGND
Pin8	1.7	0 40MHz
Pin9	0	0 Fset
Pin10	0	0 Pset
Pin11	0	0 reset
Pin12	0	0 sleep
Pin13	0	0.12 SDATA
Pin14	3.3	0.84 SCLK
Pin15	3.3	3.3 FSYNK
Pin16	0	0 CMPout
Pin17	0.37	0 CMPin
Pin18	0	0 AGND
Pin19	0.37	2.26 IOUT
Pin20	0.75	0.23 IOUTB

