

T2050 active device function list:

Ref.	Manuf.	
Des.	P/N	Functional description
U1	LD502	IC, Audio AGC amplifier
U2	LMV321	Op-amp, pre-emphasis
U3	LMV321	Op-amp, audio low pass filter
U4	MAX2620	IC, 74-87 MHz VCO
U5	LMX2306	IC, synthesizer
U6	IT115R6	TCXO module, reference for synthesizer
U7	MAX6315	IC, low voltage microprocessor reset
U8	PIC16LF84A	IC, microprocessor
U9	MAX1703	IC, Step-up switching DC-DC converter, 5Vdc output
U10	TK114345	IC, 3.5Vdc linear regulator
U11	TK11225	IC, 2.5Vdc linear regulator w/ON/OFF control
D1	BAV99	Dual diode, audio clipper
D2A	SMV1236	Varactor diode, VCO modulation
D2B	SMV1236	Varactor diode, VCO modulation
D3	BZX84C3V6ZX	Zener diode, serial data limiter
D4	MMBR0520L	Schottky diode, switching power supply rectifier
Q1	NE85633	NPN transistor, frequency doubler
Q2	TR7003A	N-channel mosfet, RF power amplifier
Q3	NDS355AN	N-channel mosfet, low side switch for vibrator control