

Bill of Material for FM72MHZ-TX Bom

Used	Part Type	Designator	Footprint	Description
3	1P	C1.C3.C19	0805	Capacitor
4	20P	C2.C5.C49.C50	0805	Capacitor
3	39P	C14.C18.C20	0805	Capacitor
1	47P	C17	0805	Capacitor
2	68P	C6.C22	0805	Capacitor
2	100P	C4.C23	0805	Capacitor
21	102	C12	0805	Capacitor
		C24.C27.C29.C30.C31.C32.C33.C34.C37.C38	0603	Capacitor
		C39.C40.C41.C42.C43.C44.C45.C46.C47.C48	0603	Capacitor
1	222	C28	0805	Capacitor
10	223	C7.C8.C9.C11.C13.C15.C16.C21.C25.C36	0805	Capacitor
3	100UF	C10.C26.C35	RB-4	Electrolytic Capacitor
5	0 Ω	RA.RB.RC.RD.RE	0805	Resistance
1	2.2 Ω	R7	0805	Resistance
2	5.1 Ω	R3.R4	0805	Resistance
1	22 Ω	R9	0805	Resistance
3	51 Ω	R10.R14.R17	0805	Resistance
2	270 Ω	R6.R8	0805	Resistance
1	510 Ω	R13	1206	Resistance
2	680 Ω	R2.R15	0805	Resistance
1	1K	R28	0805	Resistance
1	1.2K	R26	0603	Resistance
2	1.5K	R12.R19	0805	Resistance
1	2.7K	R5	0805	Resistance
1	3.9K	R11	0805	Resistance
10	10K	R18.R20.R21.R29.R30.R31.R32.R33.R34.R35	0805	Resistance
1	30K	R1	0805	Resistance
1	33K	R27	0805	Resistance
3	47K	R22.R24.R25	0603	Resistance
1	100K	R23	0603	Resistance
1	220K	R16	0805	Resistance
1	2SC3357	Q1	SOT-89	NPN Transistor
1	MMBTH10L	Q2	SOT-23	NPN Transistor
1	9018	Q3	SOT-23	NPN Transistor
2	8050	Q4.Q5	SOT-23	NPN Transistor
3	2SC1623	Q6.Q7.Q8	SOT-23	NPN Transistor
1	IN4001	D1	DO-41	Diode
1	5.1V	D2	1206	Diode Zener

Used	Part Type	Designator	Footprint	Description
1	BB639	D3	SOT323	Diode Varact
2	0.45UH	L1.L2	LX-9.8	LOOP
2	2.7UH	L3.L4	AXIAL-10	LOOP
3	216	T1.T2.T3	LX-9.8	LOOP
1	Buzzer	U1		Bezzar
1	72MHZ	XTAL1	50U	Crystal
1	4MHZ	XTAL2	49S	Crystal
1	SN8P2714K	IC-1	DIP-28	IC
1	78L05	IC-2	SOT-89	IC
1	RED	LED1	Φ 5	LED
1	GREEN	LED2	Φ 5	LED
4	B5K	W1.W2.W3.W4	16J231	Potentiometer
1	1K	WH1	3329H	Potentiometer
1	4.7K	WH2	3329H	Potentiometer
1	6mm	J7		Jump Line
2	10mm	J1.J8		Jump Line
2	14mm	J2.J6		Jump Line
4	18mm	J3.J4.J5.J9		Jump Line
5	1×2	K1.K2.K3.K4.K5	KG-2	Switch