

# BILL OF MATERIALS

Design: amrx / SPn

Dokumentointi on tehty osittain myös englanniksi, koska ulkomaiset nettisivujemme käyttäjät ovat toivoneet englanninkielistä dokumentointia. (Kielipöytä englanti ei ole välttämättä oikein).

QTY	PART-REFS	VALUE
Resistors		
1	R1	1.5k / SMD / 1206
1	R2	100k / SMD / 1206
1	R3	180k / SMD / 1206
1	R4	8.2k / SMD / 1206
1	R5	120k / SMD / 1206
2	R6,R7	4.7k / SMD / 1206
1	R8	1k / SMD / 1206
4	R9,R10,R12,R13	47k / SMD / 1206
1	R11	820k / SMD / 1206
Capacitors		
1	C1	220pF / SMD / 1206
3	C2,C3,C12	3.9pF / SMD / 1206 / temp.coefficient COG (NPO)
2	C4,C8	39pF / SMD / 1206 / temp.coefficient COG (NPO)
1	C5	390pF / SMD / 1206 / temp.coefficient COG (NPO)
1	C6	1uF / SMD / tantal case B / > 10VDC
1	C7	4.7nF / SMD / 1206
3	C9,C10,C11	100nF / SMD / 1206
Integrated Circuits		
1	U1	MC 33272 / SO-8 / dual SMD OA
Transistors		
2	Q1,Q2	BFR93A / SMD / SOT-23 / RF -transistor
Others		
1	L1	12nH / SMD / 1206 / manuf. Coilcraft
1	L2	10uH / SMD / 1206 / manuf. Coilcraft

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## Miscellaneous

9	J1,J2,J3,J7,J11,J12, J13,J14,J15	Connection pins ( to pcb, can be used different types)
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Device works well in short range ASK applications.

Pcb design is pin to pin compatible to AM module made by for example Radiometrix, specifications and components are different.

This device can be used instead of original if specifications and receiving range are not critical.

Pcb is single side design.