

MICRF112 Keyfob Evaluation Brd 10 PIN MSOP Revised: Tuesday, December 05, 2006
 TX112-LP-433.DSN Revision: 0
 315MHz and 433.92MHz BOM
 Phone Number 408 944 0800
 San Jose CA 95131
 2180 Fortune Drive
 Micrel Semiconductor

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Item	Quantity	Reference	Part	Manufacture
1	1	C1	10uF 6.3V	0603
2	1	C2	100pF 50V	0603
3	1	C5	10pF 50V(10pF 50V)	0603
4	4	R4, R6,	(NP)	0603
		C6, C11	(NP)	0603
5	1	C7	4.7pF (6.8pF)	0603
6	2	C8, R1	NP	0603
7	1	C10	0.1uF 50V	0603
8	1	C12	4.7uF	0603
9	2	C14, C13	18 pF	0603
10	1	JPR 1	SEE NOTE 1	0603
11	1	JPR 2	SEE NOTE 2	0603
12	1	J1	CON3 BLKCON.100/VH/TM1SQS/W.100/3	
13	1	L1	680nH (470mH)	0805
14	1	L4	82nH (150nH)	0603
15	1	L5	ANTENNA	ANTENNA_LOOP2 AWG22 BUS
16	3	R2, R3,	100k OHM	0603
		R5		
17	2	R7, R8	0 OHMS	0603
18	1	U1	MICRF112YML10	10P_MSOP
19	1	Y1	13.560MHz (9.84375MHz)	CRYSTAL/200/TH/SMD

Values In Parenthesis are for 315MHz operation

Suggested Supplier

Vishay for Capacitor and Resistors, Vishay.com, +/-5%
 Coilcraft, Inductors, 0805 and 0603 CS Series
 Murata for Capacitors +/- 5% Murata.com
 Abracon for Crystals, ABL5 Series, Abracon.com
 Holsonic for Crystals, SA Series, www.hib.com.br