

Bill of Materials

Bill of Materials For Project [300011-UHF-Reader_v02.PrjPcb] (No PCB D

Source Data From:

300011-UHF-Reader_v02.PrjPcb

Project:

300011-UHF-Reader_v02.PrjPcb

Variant:

None

Creation Date: 06.05.2014

Print Date: 6. Mai 2014

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Nr.	Designator	Comment	Description	Quantity
1	C1	1nF	Capacitor	1
2	C2, C4, C7, C8, C9, C10, C11, C12, C13, C14, C16, C18, C20, C21, C24, C26, C28, C32, C33, C35, C44, C46, C51, C54, C55	100pF	Capacitor	25
3	C3, C5, C6, C15, C17, C19, C25, C27, C29, C34, C36, C45, C49, C52, C56, C57, C66	2.2uF	Ceramic Cap, X5R, 10%, 50V, 1005	17
4	C22, C50, C106, C110, C111, C112, C113, C114	100nF	Capacitor, Ceramic Cap, X7R, 10%, 50V, 1005	8
5	C23	1nF		1
6	C30, C53	100pF	Capacitor	2
7	C31	5.6pF	Capacitor	1
8	C37, C38, C39, C40, C47	10nF	Ceramic Cap, X7R, 10%, 50V, 1005	5
9	C41	nc		1
10	C42	3.3nF	Ceramic Cap, X7R, 10%, 50V, 1005	1
11	C43	180pF	Ceramic Cap, COG, 10%, 50V, 1005	1
12	C48, C109	10uF	Capacitor	2
13	C58, C59, C60	1nF	Capacitor	3
14	C61, C63, C203	4.7uF	Capacitor	3
15	C64, R9, R107, R108	nc	Capacitor, Resistor	4
16	C100, C107, C108, C201, C202, C204	100nF	Capacitor	6
17	C200, C205	10pF	Capacitor	2
18	J1	VDD_PA		1
19	J2	U FL Socket	U FL Socket - Surface Mount	1
20	J104	FLASHLEISTE	Flashleiste	1
21	J200	CLP-104-02-G-D-BE	Samtec CLP-104-02-G-D-BE	1
22	L1	2.7nH	Inductor	1
23	L2	4.7nH	Inductor	1
24	L3, L5, L6	10nH	Inductor	3
25	L4	3.3nH	Inductor	1
26	L7	WE 742 792 625	Ferrite SMD	1
27	Q1	nc(DSx321SC)	DSx321SC	1
28	Q2	TXETADSANF-20.00MHz	TXETADSANF	1
29	Q100	IRLML6401	P-Channel 20V MOSFET	1
30	R1	3R9	Resistor	1
31	R2	51R	ERJ-2RKF51R0X	1
32	R3	90,9k	Resistor	1
33	R4	15k	Resistor 1005	1
34	R5	150k	Resistor	1
35	R6	100k	Resistor	1
36	R7, R110	0R	Resistor	2
37	R8	47R	Resistor	1
38	R10	4,7k	Resistor	1
39	R101	10k	Resistor	1
40	R102, R103, R104	10k	Resistor	3
41	R105, R106	100k	Resistor	2
42	R109	47k	Resistor	1
43	R200	0R	Resistor	1
44	R201	WE 742792116	Ferrite 742792116	1
45	R202	0R	Resistor	1
46	T1, T3	Balun - 1:2	BALUN- 900MHZ 50/100 Ohm	2
47	U1	RFPA0133	3-5V High Gain Power Amplifier	1
48	U2	AS3993	T80-ASIC	1
49	U3	0868LP15A020	Low Passs Filter 868MHz	1
50	U4	DC0710J5010AHF	Ultra Low Profile 0805 10dB Directional Coupler	1
51	U5	AS1364	1A Low Dropout Linear Voltage Regulator	1
52	U101	24AA256-I/MS	256K I2C CMOS Serial EEPROM	1
53	U102	NC7SZ126	TinyLogic UHS Buffer with 3-State Output	1
54	U103	NCP303LSN24T1	NCP302 Voltage Detector Series On Semiconductor	1
55	U104	PIC24FJ64GA104-I/ML_MF	PIC24FJ64GA104-I/ML mit Massefläche	1
56	U105	MX25L1606EZUI-12G	16Mbit Flash memory	1
57	U200	FT232RQ	Single chip USB to UART interface in QFN-32 package	1
58	X200	12MHz	Crystal	1