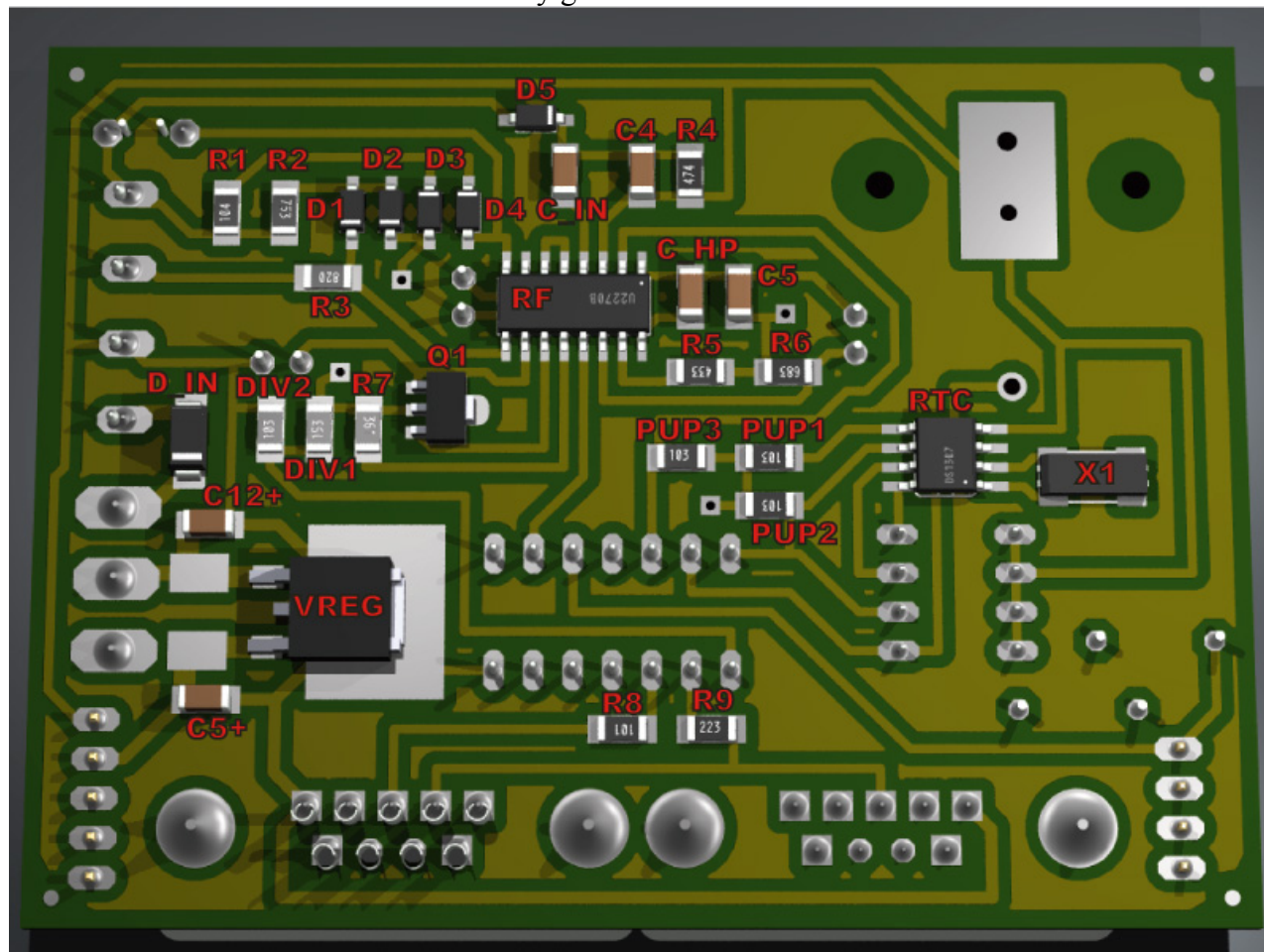
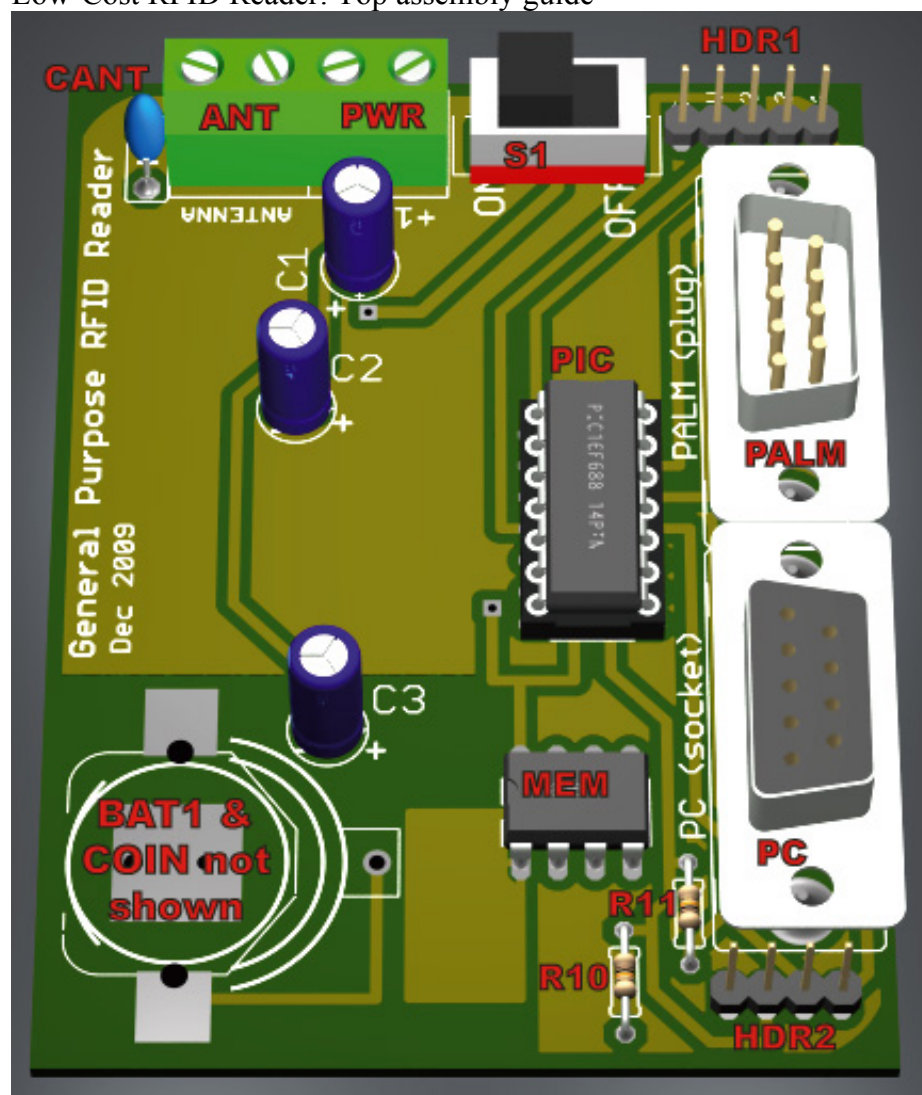


Low-Cost RFID Reader: Bottom assembly guide



Name	Part No.	Type	Package	Mounting	Value
VREG	L7805CDT-TR	5V REGULATOR	DPAK	SMT	5V, 1AMP
C-HP, C12+	MC1206B224K500CT	capacitor	1206	SMT	.220uF
C5+	VJ1206Y104KXAMC	capacitor	1206	SMT	0.1uF
C_IN	MC1206B122K500CT	capacitor	1206	SMT	1.2nF
C4	MC1206B152K500CT	capacitor	1206	SMT	1.5vF
C5	MC1206B472K500CT	capacitor	1206	SMT	4.7nF
X1	CM155-32.768KEZFTR	crystal	6.8x3mm	SMT	32.768Htz
D_IN	FM4002-W	diode	SMX	SMT	100V
D1 to D5	MMSD914T1G	diode	SOD-123	SMT	100V
RTC	DS1307Z	Real time Clock	SOIC-8	SMT	n/a
R1	RK73B2BTDD104J	resistor	1206	SMT	100K
R8	RK73B2BTDD101J	resistor	1206	SMT	100ohm
DIV2, PUP1-3	RK73B2BTDD103J	resistor	1206	SMT	10K
DIV1	RK73B2BTDD153J	resistor	1206	SMT	15K
R9	RK73B2BTDD223J	resistor	1206	SMT	22K
R7	RK73B2BTDD361J	resistor	1206	SMT	360ohm
R5	RK73B2BTDD433J	resistor	1206	SMT	43K
R4	RK73B2BTDD474J	resistor	1206	SMT	470K
R6	RK73B2BTDD683J	resistor	1206	SMT	68K
R2	RK73B2BTDD753J	resistor	1206	SMT	75K
R3	RK73B2BTDD820J	resistor	1206	SMT	82ohm
RF	U2270B	RFID module	SOIC-16	SMT	n/a
Q1	BCX56-16	transistor	SOT89	SMT	n/a

Low-Cost RFID Reader: Top assembly guide



Name	Part No.	Type	Package	Mounting	Value
PIC*	1-390261-3	14-pin DIL socket	DIP-14	TH	n/a
CON1 ¹ , CON2 ¹	512-7308	2-position screw clamp	5.08mm	TH	n/a
MEM1	24LC256-I/P*	32KB memory unit	DIP-8	TH	n/a
MEM ^{1,2}	1-390261-2	8 pin DIL socket	DIP-8	TH	n/a
CANT	FK24C0G2E122J	capacitor	radial 5mm	TH	1.2nF
PC	538-DEKL-9SUT	D-Sub connector	9pin	TH	n/a
PALM ¹	538-DEKL9PUTI	D-Sub connector	9 pin	TH	n/a
C1, C2, C3	B41827A6226M000	electrolytic capacitor	radial 5mm	TH	22uF
BAT1 ²	3013	keystone 16mm batt holder	metal	TH	n/a
PIC1	PIC16F688	microprocessor	DIP-14	TH	n/a
HDR2 ¹	header4	optional 4 pin header	0.1"	TH	n/a
HDR1 ¹	header5	optional 5 pin header	0.1"	TH	n/a
R10 ¹	unknown resistor	resistor	1/4 amp	TH	unknown
R11 ¹	unknown resistor	resistor	1/4 amp	TH	unknown
S1	1101M2S3CBE2	slide switch	PC pins	TH	n/a
COIN ²	CR1632	16mm battery	16x3.2mm	n/a	3V

¹Optional component

²Not shown