

**Control BOM**

Comment	Description	Design Quantity	Footprint	Designator
100n	Capacitor	10	805	C4,C5,C7,C8,C13,C14,C15,C16,C17,C18
22p	Capacitor	2	805	C11,C12
4n7	Capacitor	2	805	C9,C10
1u / 16V	Capacitor	1	A	C3
10u / 6.3	Capacitor	2	B	C2,C6
47u / 16V	Capacitor	1	C	C1
281698-4; header, r/a 1row 4way	Connector	1	sip4	
006-PI / 9V battery	Connector	1		
CAN 9 Z 90	Connector	1		
M-DIN_6-R	Connector	1		
MLW10G	Connector	1		
MLW14G	Connector	1		
SCD-16	Connector	1		CP1
SCP-2009B	Connector	1		
USB1X90B	Connector	1		JP2
<b>STPS1L30A</b>	<b>Diode</b>	<b>4</b>		<b>D1,D2,D3,D4</b>
LED 0805 GREEN 35/130°	LED Green	1	805	D5
LED 0805 RED 45/130°	LED Red	2	805	D6, D7
0R	Resistor	7	805	
100k	Resistor	2	805	
10k	Resistor	5	805	RJTG1,RJTG2,RJTG3,RJTG4,R11
1k	Resistor	1	805	
22R	Resistor	2	805	
470R	Resistor	3	805	
4k7	Resistor	4	805	
6k8	Resistor	1	805	
P-B1720A	switch	1		SW1
KF52BDT		1	DPAK	U1
<b>LE33CD / ABD</b>		<b>1</b>		
<b>M41T65</b>		<b>1</b>		
<b>ST3232EBD</b>		<b>1</b>		
<b>uPSD34xxT</b>		<b>1</b>		
XTAL 24MHz		1		HC49U/S
XTAL 32768Hz		1		

Optional  
Optional

**Boosted BOM**

Comment	Description	Design Quantity	Footprint	Designator
100n	Capacitor	3	603	C7, C10, C11
100p	Capacitor	2	603	C47, C49
10p	Capacitor	1	603	C40
150p	Capacitor	1	603	C39
180p	Capacitor	1	603	C5
22n	Capacitor	1	603	C43
27p	Capacitor	1	603	C3
330p	Capacitor	1	603	C46
39p	Capacitor	1	603	C36
68p	Capacitor	1	603	C42
7pF	Capacitor	2	603	C44, C45
18p	Capacitor	1	805	C1
281698-4; header, r/a 1row 4way	Connector	1	sip4	
13,560-SMU4-30-30/50	Crystal	1	XTAL_SMT	X2
1N4148	Diode	1	D1504	D2
0.15uH	Inductor	1	1210	L12
10uH	Inductor	1	1210	L3
1uH	Inductor	1	1210	L11
22uH	Inductor	2	1210	L9, L10
BCP5616	NPN Transistor	1	SOT-223	Q2
0R	Resistor	1	603	R9
10K	Resistor	1	603	R13
15K	Resistor	1	603	R3
22K	Resistor	1	603	R6
3R3	Resistor	1	603	R8
47R	Resistor	1	603	R10
68R	Resistor	1	603	R16
8.2K	Resistor	1	603	R2
0R	Resistor	5	805	nahrada FL1 - 5
<b>CRX14MQ</b>	<b>ST CARD READ COUPLER(TYPE-B)</b>	1	<b>SO-16</b>	<b>U1</b>
22u / 6.3V	Tantal SMD	4	1206	C21, C25, C29, C30
WURTH 742-792-042		5	805	FL1 az FL5