

Value	Designator	Footprint	Quantity	Comment	Description
680µF	C1	CAP 10x16	1	680µF	Electrolytic capacitor, TM series, 20%, -55~105°C, 10x16mm RM5, 0.1Ohm
10uF	C2	SMD 1210 CAP	1	10uF	C1210 10uF 35V X7R
220uF	C3	SMD 7343-43	1	220uF	Cap Tant Solid 220uF 10V E CASE 10% .73 X 4.3 X 4mm_ SMD 7343-43 0.1 Ohm 125B °C T/R
100nF 50V	C4	SMD 0603 CAP	1	100nF 50V	100nF 50V X7R +-10%
100uF	C5	SMD 1210 CAP	1	100uF	100uF 10V X5R +-20%
1N4148W-7-F	D1, D2, D3	SOD123	3	1N4148W-7-F	Diode Standard 100V 300mA DC, Surface Mount SOD-123
KP-2012	D4, D5, D6, D7	SMD 0805 LED-Y	4	KP-2012 WHITE, KP-2012 GREEN, KP-2012 ORANGE, KP-2012 RED	LED 2.0x1.25mm, 50-160 mcd@20mA, W.Clear, 120°
LQH32CN471K23L	FB1	SMD 1210 LQH	1	LQH32CN471K23L	470uH 19Ohm 60mA 10% 47uH 1.3Ohm 170mA 10%
Wire	J1, J2	Wire-2	2	+12V, GND	Wire
FPC-40PinConnector	J3	687140149022	1	FPC-40PinConnector	40 Position FFC, FPC Connector Contacts, Bottom 0.020 (0.50mm) Surface Mount, Right Angle
PN1X8	J4, J8, J10, J11	PN1X8	4	PN1X8	Single Row / Straight / Without Shroud Female header Female 8 WÄ¼rth Elektronik 61300711821 @ Pin header, socket _Si...
PN1X4	J5, J9	PN1X4	2	PN1X4	Single Row / Straight / Without Shroud Female header Female 4 @ Pin header, socket _Si...
PN1X7	J6	PN1X7	1	PN1X7	Single Row / Straight / Without Shroud Female header Female 7 WÄ¼rth Elektronik 61300711821 @ Pin header, socket _Si...
FPC-6PinConnector	J7	687106149022	1	FPC-6PinConnector	6 Position FFC, FPC Connector Contacts, Bottom 0.020 (0.50mm) Surface Mount, Right Angle
Buzzer	LS1	XDCR_KSSG13112-N	1	Buzzer	
LTV356T	OPT1, OPT2	MINI-FLAT-4	2	LTV356T	Optoisolator Transistor Output 3750Vrms 1 Channel 4-SOP
DTC114YKA	Q1, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20, Q21, Q22, Q24	SOT-346 (SC59) Black	21	DTC114YKA	NPN Digital 50V 100mA 200mW R1=10kOm R2=47kOm
SST2222A	Q2, Q3, Q23	SOT-23-3	3	SST2222A	Transistor NPN 40V 600mA 300MHz 350mW
10k	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R21, R24, R26, R27, R29, R31, R33, R35, R37, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51	SMD 0805	36	10k	RES
220Ohm	R15, R16, R17, R18	SMD 0805	4	220Ohm	RES
2,7k	R19, R20, R22, R23, R25, R28, R30, R32, R34, R36, R38	SMD 0805	11	2,7k	RES
1k	R52	SMD 0805	1	1k	RES
Button	SW1, SW2, SW3, SW4, SW5, SW6	SW_KSR221GLFS	6	Button	Tactile Switch 2p SPST-NO 50mA/32V 6x3.8x2.5mm
STM32H750VBT6 WeActStudio	U1	WeActStudio STM32H750VBT6	1	STM32H750VBT6 WeActStudio	Board
STM32F407VGT6 DevEBox	U2	DevEBox V3.0 STM32F407VGT6	1	STM32F407VGT6 DevEBox	Board
BA05CC0WFP-E2	U3	DPAK228P968X238-4N	1	BA05CC0WFP-E2	LDO Regulator