







Comment	Description	Designator	Footprint	Quantity
4.7uF 0805 50V	Capacitor	C1, C2, C3, C4, C15, C16, C19, C20	C0805	8
1uF 0603 25V	Capacitor	C5	C0603	1
100nf 0403 25V	Capacitor	C6, C8	C0603	2
10nf 0402 25V	Capacitor	C7, C9, C10, C23	C0402	4
10nf 0603 25V	Capacitor	C11	C0603	1
100nf 0402 25V	Capacitor	C12, C26, C27, C28, C29, C32, C35, C36, C37	C0402	9
22uF 0603 25V	Capacitor	C13, C14	C0603	2
10uF 0603 10V	Capacitor	C17, C18, C38, C39, C40, C41	C0603	6
47pF 0402 25V	Capacitor	C21, C24, C25	C0402	3
4.7nf 0402 25V	Capacitor	C22	C0402	1
22pF 0402 10V	Capacitor	C30, C31	C0402	2
2.2uF 0402 10V	Capacitor	C33, C34	C0402	2
SMAJ28CA	TVS Diode (Bi-directional)	D1	SMAJ28CA	1
SS34	Diode	D2	SS34	1
LT8650SV#PBF	Integrated Circuit	IC1	LT8650SEV#PBF	1
LTC2992CMS	Integrated Circuit	IC2	LTC2992CMS	1
LM1086LD-3.3/NOPB	Integrated Circuit	IC3	LM1086LD-3.3	1
TPS54331DR	Integrated Circuit	IC4	TPS54331DR	1
TJA1442AT	Integrated Circuit	IC5, IC6, IC8	TJA1442AT	3
STM32F767VHH6	Integrated Circuit	IC7	STM32F767VHH6	1
LP5907MFX-3.3-NOPB	Integrated Circuit	IC9	LP5907MFX-3.3	1
XT30PW-M	Connector	J1	XT30PW-M	1
XT30-F	Connector	J2, J3, J4, J5	XT30-F	4
TYPE-C-F(16P)	Connector	J6	TYPE-C-F(16P)	1
HEADER 3X8	Header	J7	Header 3X8	1
SD CARD(8P)	Connector	J8	SD CARD(8P)	1
HEADER 1X3(2P)	Header	J9	Header 1X3(2P)	1
GH1.25 Connector 2P 2	GH1.25 Connector	J10, J15, J16, J17, J22, J27	GH1.25 2P	6
GH1.25 Connector 2P 2	GH1.25 Connector	J11, J18, J23, J28	GH1.25 2P	4
GH1.25 Connector 4P 2	GH1.25 Connector	J12, J13, J21, J24, J25, J26	GH1.25 4P	6
GH1.25 Connector 4P 2	GH1.25 Connector	J14, J19, J20	GH1.25 4P	3
XAL4020-222MEC	Inductor	L1, L2, L3	XAL4020	3
7130 Ohms @900M	Inductor 90TXR	L4, L5, L6, L7, L8, L9, L10, L11	0402DF	8
LED 0603R	LED Red	LED1, LED2	LED 0603R	2
LED 0603G	LED Green	LED3, LED4, LED5, LED6, LED7	LED 0603G	5
FDM586163P	MOSFET P-ch	MOS1, MOS3, MOS4	FDM586163P	3
CSD18510Q5B	MOSFET N-ch	MOS2	CSD18510Q5B	1
拨码开关1.27-3P	Switch	P1	拨码开关1.27-3P	1
M3 8Pin	Hole M3x4+6	P2, P3, P4, P5	M3x4+6 8Pin	4
PMBT3906	Transistor BJT PNP	Q1	PMBT3906	1
PMBT3904	Transistor BJT NPN	Q2, Q3, Q4	PMBT3904	3
5mOhm 2512 1%	Resistor	R1	R2512	1
33R 0402 1%	Resistor	R2, R5	R0402	2
100K 0402 1%	Resistor	R3, R4, R16	R0402	3
40.2K 0402 1%	Resistor	R6	R0402	1
1K 0603 1%	Resistor	R7	R0603	1
5.11K 0402 1%	Resistor	R8	R0402	1
1K 0402 1%	Resistor	R9, R28, R29, R54, R55, R57, R58	R0402	7
7.68K 0402 1%	Resistor	R10	R0402	1
15K 0402 1%	Resistor	R11	R0402	1
8.2K 0402 1%	Resistor	R12	R0402	1
1.2K 0402 1%	Resistor	R13	R0402	1
10K 0402 1%	Resistor	R14, R19, R20, R21, R22, R24, R25, R26, R33, R34, R37, R38, R39, R40, R41, R42, R44, R45, R46, R47, R48, R56	R0402	22
13.3K 0402 1%	Resistor	R15	R0402	1
22K 0402 1%	Resistor	R17	R0402	1
750R 0402 1%	Resistor	R18	R0402	1
4.7K 0402 1%	Resistor	R23, R50, R51, R53	R0402	4
332K 0402 1%	Resistor	R27	R0402	1
17.8K 0402 1%	Resistor	R30	R0402	1
1.91K 0402 1%	Resistor	R31	R0402	1
68.1K 0402 1%	Resistor	R32	R0402	1
0R 0603 1%	Resistor	R35, R36	R0603	2
120R 0402 1%	Resistor	R43, R49, R52	R0402	3
轻触开关 3x2.5-2P	Switch	S1, S2	轻触开关 3x2.5-2P	2
TESTPOINT	TestPoint	TP1, TP2	TESTPOINT	2
XTAL 25MHz	Crystal or Oscillator	Y1	XTAL25MHz 3225	1
BZX584CV1	Zener Diode	Z1, Z3, Z4	BZX584CV1	3
MMSZ5255	Zener Diode	Z2	MMSZ5255	1