





Comment	Description	Designator	Footprint	LibRef	Quantity
22pF	Capacitor	C1, C2	0603c	CAP	2
0.1uF	Capacitor	C3, C8, C11, C12, C13, C14, C29, C35	0603c	CAP	8
22uF/10V/两关不焊接	Capacitor	C4, C5, C40	1206C	CAP	3
1000uF/6.3V/8*12	Polarized Capacitor (Surface Mount)	C6	8*12	Cap PolS	1
2.2uF	Capacitor	C7, C19	0603c	CAP	2
33pF	Capacitor	C9	0603C	CAP	1
NC	Capacitor	C10, C23	0603C	Cap	2
10pF	Capacitor	C15, C20, C24	0603c	CAP	3
10pF/NC	Capacitor	C16, C17, C18	0603C	CAP	3
22uF/10V	Capacitor	C21, C22, C27, C28, C30, C31	1206C	CAP	6
0.1uF/25V	Capacitor	C25, C26, C33, C34	0603C	CAP	4
10uF/25V	C, Capacitor	C32, C36, C41, C89	0603C	C, CAP	4
0.01uF	C	C90, C199	0603C	C	2
SMAJ12CA		D1	SMA	DIODE_SCHO TTKY_0	1
R8751V40T1	Default Diode	D2	SOD323	Diode	1
DIODE_SCHO TTKY_0		D3	LL-34(D1206)	DIODE_SCHO TTKY_0	1
SMAJ6.5CA	Schottky Diode	D6, D8	SMA	DIODE S	2
SMD0805P300	Fuse	F2	0805R	Fuse 2	1
JWWBW2012 M000HT		FB6	0805CZ	FB	1
IPEX	IPEX	J1, J5	RF-UFL	ANT	2
SRP4020TA-3R3M		L1, L2	CD_4*4	INDUCTOR_1	2
LED		LED3	0603LED	LED	1
E22-400T30S		M1, M2	E22-400T30S	E22-400T30S	2
SBattery		MS621FE	MS621FE	SBattery	1
Header 4	Header, 4-Pin	P1, P5	4X2.54MMZ	Header 4	2
Header 7X2/两关不焊接	Header, 7-Pin, Dual row	P2, P4	14X2.54MMZ	Header 7X2	2
Header 4	Header, 4-Pin	P3	HDR1X4	Header 4	1
Header 2	Header, 2-Pin	P6	2X2.54MMZ	Header 2	1
Si2369DS/两关不焊接		Q1, Q11, Q16	SOT23	MOSFET P_1	3
MMBT3904/两关不焊接		Q2, Q5, Q6, Q7, Q8, Q9, Q10, Q12, Q13, Q14, Q15, Q17	SOT23-3	NPN	12
Si2369DS	NMOSFET	Q3	so23-3	NCE4060K	1
S8050		Q4	SOT23	2N1069_1	1
MMBT3904		Q18, Q19, Q20, Q21, Q23	SOT23-3	NPN	5
Si2342DS		Q22	SOT23	MOSFET P_1	1
4.7K/两关不焊接		R1, R2, R4, R5, R6, R7, R9, R10, R13, R19, R20, R21, R22, R24, R26, R27, R28, R36	0603R	RES1	18
10k/两关不焊接		R3, R11, R12, R30, R31, R32, R56, R57	0603R	RES1	8
1K	R, Resistor	R8, R37, R38, R55, R58, R218	0603R	R, RES1, Res2	6
33K/1%	Resistor	R14	0603R	Res3	1
10K	Resistor	R15, R42, R43, R52, R54	0603R	RES1, Res3	5
4.7K		R16, R40, R41, R44, R45, R46, R47, R59, R60, R61, R62	0603R	RES1	11
0	Resistor	R17	0603R	Res2	1
47K		R18	0603R	RES1	1
10R		R23, R25, R39	0603R	RES1	3
33.2K/1%		R29	0603R	RES1	1
5.1K/1%	Resistor	R33	0603R	Res3	1
1MR	Resistor	R34	0603R	Res3	1
100K	Resistor	R35, R137	0603R	RES2, Res3	2
10K/1%		R48, R49, R51, R53	0603R	RES1	4
54.9K/1%		R50	0603R	RES1	1
100	R	R83	0603R	R	1
10		R139, R140	1206R	RES2	2
SW DIP-4	DIP Switch, 4 Position, SPST	S1	SW_SMT_8	SW DIP-4	1
SW DIP-2	DIP Switch, 2 Position, SPST	S2	SW_SMT_4	SW DIP-2	1
microsim		SIM1	Nano SIM	microsim	1
STM32F405RG T6	ARM Cortex-M4 32-bit MCU+FPU, 210 DMIPS, 1024 kB Flash, 192 kB Internal RAM, 51 I/Os, 64-pin LQFP, -40 to 85 degC, Tray	U1	LQFP-64	STM32F405RG T6	1
SIM7080G		U2	SIM868	SIM868E/SIM868	1
TPS562201		U3, U5	SOT-23-6	TPS562201	2
SMF05C_1	TVS	U4	SC70-6L	SMF05C_1	1
SAFFB1G56KB 0FA		U6	SAFFB1G56KB 0FA	SAFFB1G56KB 0FA	1
THVD1500		U34	so-8	SN69HVD06D	1
8MHz	Crystal Oscillator	Y1	CRAY_5032	XTAL	1
32.768K	Crystal Oscillator	Y5	32.768K	XTAL	1

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1000uF/6.3V/8* 12	Polarized Capacitor (Surface Mount)	C6	8*12	Cap PolS	1
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0.1uF/25V	Capacitor	C25, C26, C33, C34	0603C	CAP	4
10uF/25V	C, Capacitor	C32, C36, C41, C89	0603C	C, CAP	4
0.01uF	C	C90, C199	0603C	C	2
SMAJ12CA		D1	SMA	DIODE_SCHO TTY_0	1
R8751V40T1	Default Diode	D2	SOD323	Diode	1
DIODE_SCHO TTY_0		D3	LL-34(D1206)	DIODE_SCHO TTY_0	1
SMAJ6.5CA	Schottky Diode	D6, D8	SMA	DIODE S	2
SMD0805P300	Fuse	F2	0805R	Fuse 2	1
JWWBW2012 M000HT		FB6	0805CZ	FB	1
IPEX	IPEX	J1, J5	RF-UFL	ANT	2
SRP4020TA- 3R3M		L1, L2	CD_4*4	INDUCTOR_1	2
LED		LED3	0603LED	LED	1
E22-400T30S		M1, M2	E22-400T30S	E22-400T30S	2
SBattery		MS621FE	MS621FE	SBattery	1
Header 4	Header, 4-Pin	P1, P5	4X2.54MMZ	Header 4	2
Header 7X2/两 关不焊接	Header, 7-Pin, Dual row	P2, P4	14X2.54MMZ	Header 7X2	2
Header 4	Header, 4-Pin	P3	HDR1X4	Header 4	1
Header 2	Header, 2-Pin	P6	2X2.54MMZ	Header 2	1
SI2366DS/两关 不焊接		Q1, Q11, Q16	SOT23	MOSFET P_1	3
MMBT3904/两 关不焊接		Q2, Q5, Q6, Q7, Q8, Q9, Q10, Q12, Q13, Q14, Q15, Q17	SOT23-3	NPN	12
SI2366DS	NMOSFET	Q3	so23-3	NCE4060K	1
S8050		Q4	SOT23	2N1069_1	1
MMBT3904		Q18, Q19, Q20, Q21, Q23	SOT23-3	NPN	5
SI2342DS		Q22	SOT23	MOSFET P_1	1
4.7K/两关不焊接		R1, R2, R4, R5, R6, R7, R9, R10, R13, R19, R20, R21, R22, R24, R26, R27, R28, R36	0603R	RES1	18
10k/两关不焊接		R3, R11, R12, R30, R31, R32, R56, R57	0603R	RES1	8
1K	R, Resistor	R8, R37, R38, R55, R58, R218	0603R	R, RES1, Res2	6
33K/1%	Resistor	R14	0603R	Res3	1
10K	Resistor	R15, R42, R43, R52, R54	0603R	RES1, Res3	5
4.7K		R16, R40, R41, R44, R45, R46, R47, R59, R60, R61, R62	0603R	RES1	11
0	Resistor	R17	0603R	Res2	1
47K		R18	0603R	RES1	1
10R		R23, R25, R39	0603R	RES1	3
33.2K/1%		R29	0603R	RES1	1
5.1K/1%	Resistor	R33	0603R	Res3	1
1MR	Resistor	R34	0603R	Res3	1
100K	Resistor	R35, R137	0603R	RES2, Res3	2
10K/1%		R48, R49, R51, R53	0603R	RES1	4
54.9K/1%		R50	0603R	RES1	1
100	R	R83	0603R	R	1
10		R139, R140	1206R	RES2	2
SW DIP-4	DIP Switch, 4 Position, SPST	S1	SW_SMT_8	SW DIP-4	1
SW DIP-2	DIP Switch, 2 Position, SPST	S2	SW_SMT_4	SW DIP-2	1
microsim		SIM1	Nano SIM	microsim	1
STM32F405RG T6	ARM Cortex-M4 32-bit MCU+FPU, 210 DMIPS, 1024 kB Flash, 192 kB Internal RAM, 51 I/Os, 64-pin LQFP, -40 to 85 degC, Tray	U1	LQFP-64	STM32F405RG T6	1
SIM7080G		U2	SIM868	SIM868E/SIM86 8	1
TPS562201		U3, U5	SOT-23-6	TPS562201	2
SMF05C_1	TVS	U4	SC70-6L	SMF05C_1	1
SAFFB1G56KB 0FA		U6	SAFFB1G56KB 0FA	SAFFB1G56KB 0FA	1
THVD1500		U34	so-8	SN69HVD06D	1
8MHz	Crystal Oscillator	Y1	CRAY_5032	XTAL	1
32.768K	Crystal Oscillato	Y5	32.768K	XTAL	1