





4.7uF 0805 50V	Description	Designator	Footprint	Quantity
4.7UF U0U5 5UV	Capacitor	C1, C2, C3, C4, C15, C16, C19,	C0805	8
1uF 0603 25V	Capacitor	C20 C5	C0603	1
100nF 0603 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,	C0402	9
22uF 0603 25V	Capacitor	C35, C36, C37 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-	D1	SMAJ28CA	1
SS34	directional) Diode	D2	SS34	1
LT8650SIV#PBF	Integrated	IC1	LT8650SEV#PBF	1
	Circuit Integrated	IC2		1
LTC2992CMS LM1086ILD-	Circuit		LTC2992CMS	
3.3/NOPB	Integrated Circuit	IC3	LM1086ILD-3.3	1
TPS54331DR	Integrated Circuit	IC4	TPS54331DR	1
TJA1442AT	Integrated Circuit	IC5, IC6, IC8	TJA1442AT	3
STM32F767VIH6	Integrated	IC7	STM32F767VIH6	1
LP5907MFX-3.3-	Circuit Integrated			
NOPB	Circuit	IC9	LP5907MFX-3.3	1
XT30PW-M	Connector	J1	XT30PW-M	1
XT30-F		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) HEADER卧1X3反	Connector	J8	SD CARD(8P) HeaderEl·1X3/2	1
的 等	Header	19	弯 Header卧 IX3反	1
GH1.25 Connector 2P立	GH1.25 Connector	J10, J15, J16,	GH1.25:並:2P	6
GH1.25 Connector 2PE	GH1.25 Connector	J17, J22, J27 J11, J18, J23, J28	GH1.25卧2P	4
GH1.25	GH1.25	J12, J13, J21,	GH1.25立4P	6
Connector 4Px GH1.25	Connector GH1.25	J24, J25, J26 J14, J19, J20	GH1.25⊞-4P	3
Connector 4PE- XAL4020-	Connector			
222MEC 7130	Inductor	L1, L2, L3 L4, L5, L6, L7, L8,	XAL4020	3
Ohms@900M	Inductor 901XJR	L9, L10, L11	0402DF	8
LED 0603R	LED Red	LED1, LED2 LED3, LED4.	LED 0603R	2
LED 0603G	LED Green	LEDS, LED4, LED5, LED6, LED7	LED 0603G	5
FDMS86163P	MOSFET P-ch	MOS1, MOS3, MOS4	FDMS86163P	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
		P2, P3, P4, P5	M3x4+6铜柱	
				4
M3铜柱	Transistor BJT	01	D8.4DT2004	
M3铜柱 PMBT3906	Transistor BJT PNP	Q1	PMBT3906	1
M3铜柱 PMBT3906 PMBT3904	Transistor BJT	Q1 Q2, Q3, Q4	PMBT3906 PMBT3904	
M3铜柱 PMBT3906 PMBT3904 5mOhm 2512	Transistor BJT PNP Transistor BJT			1
M3铜柱 PMBT3906 PMBT3904 5mOhm 2512 1% 33R 0402 1%	Transistor BJT PNP Transistor BJT NPN Resistor	Q2, Q3, Q4 R1 R2, R5	PMBT3904 R2512 R0402	1 3 1 2
M3铜柱 PMBT3906 PMBT3904 5mOhm 2512 1% 33R 0402 1% 100K 0402 1%	Transistor BJT PNP Transistor BJT NPN Resistor Resistor Resistor	Q2, Q3, Q4 R1 R2, R5 R3, R4, R16	PMBT3904 R2512 R0402 R0402	1 3 1 2 3
M3铜柱 PMBT3906 PMBT3904 5mOhm 2512 1% 33R 0402 1% 100K 0402 1% 40.2K 0402 1%	Transistor BJT PNP Transistor BJT NPN Resistor Resistor Resistor Resistor	Q2, Q3, Q4 R1 R2, R5 R3, R4, R16 R6	PMBT3904 R2512 R0402 R0402 R0402	1 3 1 2 3 1
M3明柱 PMBT3906 PMBT3904 5mOhm 2512 1% 33R 0402 1% 100K 0402 1% 40.2K 0402 1% 1K 0603 1%	Transistor BJT PNP Transistor BJT NPN Resistor Resistor Resistor Resistor Resistor Resistor	Q2, Q3, Q4 R1 R2, R5 R3, R4, R16 R6 R7	PMBT3904 R2512 R0402 R0402 R0402 R0603	1 3 1 2 3 1 1
M3明柱 PMBT3906 PMBT3904 5mOhm 2512 1% 33R 0402 1% 100K 0402 1% 40.2K 0402 1% 1K 0603 1%	Transistor BJT PNP Transistor BJT NPN Resistor Resistor Resistor Resistor	O2, O3, Q4 R1 R2, R5 R3, R4, R16 R6 R7 R8	PMBT3904 R2512 R0402 R0402 R0402	1 3 1 2 3 1
M3铜柱 PMBT3904 5mOhm 2512 1% 33R 0402 1% 100K 0402 1% 40.2K 0402 1% 1K 0603 1% 5.11K 0402 1%	Transistor BJT PNP Transistor BJT NPN Resistor Resistor Resistor Resistor Resistor Resistor	Q2, Q3, Q4 R1 R2, R5 R3, R4, R16 R6 R7	PMBT3904 R2512 R0402 R0402 R0402 R0603	1 3 1 2 3 1 1
M3朝柱 PMBT3906 PMBT3904 5mOhm 2512 1% 33R 0402 1% 100K 0402 1% 10 060 3 1% 5.11K 0402 1% 1K 0402 1%	Transistor BJT PNP Transistor BJT NPN Resistor Resistor Resistor Resistor Resistor	Q2, Q3, Q4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R8 R9, R28, R29, R54, R55, R57,	PMBT3904 R2512 R0402 R0402 R0402 R0402 R0402 R0402 R0402	1 3 1 2 3 1 1
M3朝柱 PMBT3906 PMBT3904 5mOhm 2512 1% 33R 0402 1% 100K 0402 1% 40.2K 0402 1% 1K 0603 1% 5.11K 0402 1% 1K 0402 1%	Transistor BJT PNP Transistor BJT NPN Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor	Q2, Q3, Q4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R9, R28, R29, R54, R55, R57, R58 R10 R11	PMBT3904 R2512 R0402 R0402 R0402 R0402 R0402 R0402 R0402	1 3 1 2 3 1 1 1 1
M3朝柱 PMBT3906 PMBT3904 5mOhm 2512 1% 33R 0402 1% 100K 0402 1% 40.2K 0402 1% 1K 0603 1% 5.11K 0402 1% 1K 0402 1%	Transistor BJT PNP Transistor BJT NPN Resistor	Q2, Q3, Q4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R9, R28, R29, R54, R55, R57, R58 R10	PMBT3904 R2512 R0402 R0402 R0402 R0402 R0402 R0402 R0402	1 3 1 2 3 1 1 1 7
M388£ PM813906 PM813904 5mOhm 2512 1% 388 0402 1% 100K 0402 1% 1K 0402 1%	Transistor BJT PNP Transistor BJT NPN Resistor	Q2, Q3, Q4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R9, R28, R29, R54, R55, R57, R58 R10 R11 R12 R13	PMBT3904 R2512 R0402 R0402 R0402 R0603 R0402 R0402 R0402 R0402 R0402	1 3 1 2 3 3 1 1 1 7
M388£ PM813906 PM813904 5mOhm 2512 1% 388 0402 1% 100K 0402 1% 1K 0402 1%	Transistor BJT PNP Transistor BJT NPN Resistor	Q2, Q3, Q4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R9, R28, R29, R54, R55, R57, R58 R10 R11 R12 R13 R14, R19, R20,	PMBT3904 R2512 R0402 R0402 R0402 R0603 R0402 R0402 R0402 R0402 R0402 R0402 R0402 R0402	1 3 1 2 3 1 1 1 7
M388£ PM813906 PM813904 5mOhm 2512 1% 388 0402 1% 100K 0402 1% 1K 0402 1%	Transistor BJT PNP Transistor BJT NPN Resistor	Q2, Q3, Q4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R9, R28, R29, R54, R55, R57, R58 R10 R11 R12 R13 R14, R19, R20, R21, R22, R24,	PMBT3904 R2512 R0402 R0402 R0402 R0603 R0402 R0402 R0402 R0402 R0402 R0402 R0402 R0402	1 3 1 2 3 1 1 1 7
M38HE PMBT3906 PMBT3904 SmOhm 2512 SmOhm 2512 1% 33R 0402 1% 100K 0402 1% 1K 0402 1%	Transistor BJT pap Pap Paramistor BJT NPN Resistor	O2, Q3, Q4 R1 R2, R5 R2, R5 R8, R4, R16 R6 R7 R8 R8 R9, R28, R29, R54, R55, R57, R55 R11 R12 R11 R12 R14, R19, R20, R21, R22, R24, R25, R26, R27, R26, R26, R27, R26, R26, R26, R26, R26, R26, R26, R26	PMBT3904 R2512 R0402 R0402 R0402 R0603 R0402	1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
M38HE PMBT3906 PMBT3904 SmOhm 2512 SmOhm 2512 1% 33R 0402 1% 100K 0402 1% 1K 0402 1%	Transistor BJT PNP Transistor BJT NPN Resistor	O2, Q3, Q4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R9, R28, R29, R54, R55, R57, R58 R10 R11 R12 R12 R14, R19, R20, R21, R22, R24, R35, R24, R37, R38, R34, R37, R38, R37, R37, R38,	PMBT3904 R2512 R0402 R0402 R0402 R0603 R0402 R0402 R0402 R0402 R0402 R0402 R0402 R0402	1 3 3 1 2 3 3 1 1 1 7 7
M38HE PMBT3906 PMBT3904 SmOhm 2512 SmOhm 2512 1% 33R 0402 1% 100K 0402 1% 1K 0402 1%	Transistor BJT pap Pap Paramistor BJT NPN Resistor	O2, O3, O4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R9 R7, R8 R1 R1 R1 R1 R1 R1 R1 R1 R1, R2 R1, R2 R3 R4, R1, R2 R3 R4, R1, R2 R3 R8 R9, R8 R9, R8 R9, R8 R9, R8 R9 R9 R9 R9 R1 R1 R1 R1 R1 R1	PMBT3904 R2512 R0402 R0402 R0402 R0603 R0402	1 3 1 2 3 1 1 1 7
M38HE PMBT3906 PMBT3904 SmOhm 2512 SmOhm 2512 1% 33R 0402 1% 100K 0402 1% 1K 0402 1%	Transistor BJT pap Pap Paramistor BJT NPN Resistor	O2, Q3, Q4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R9, R28, R29, R54, R55, R57, R58 R10 R11 R12 R12 R14, R19, R20, R21, R22, R24, R35, R24, R37, R38, R34, R37, R38, R37, R37, R38,	PMBT3904 R2512 R0402 R0402 R0402 R0603 R0402	1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
M38HE: PAMB13906 PMB13906 PMB13904 338R 0402 1% 338R 0402 1% 100K 0402 1% 40 2K 0402 1% 1K 0402 1%	Transistor BJT pap Pap Paramistor BJT NPN Resistor	O2, Q3, Q4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R9, R28, R29, R54, R55, R57, R58 R10 R11 R12 R14, R19, R20, R21, R22, R24, R37, R38, R34, R37, R38, R39, R40, R41, R42, R44, R45, R46, R47, R48, R46, R47, R48, R46, R47, R48, R46, R47, R46, R47, R46, R46	PMBT3904 R2512 R0402 R0402 R0402 R0603 R0402	1 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
M38HE PMB13906 PMB13906 PMB13904 150 2512 156 100K 0402 1% 100K 0402 1% 100K 0402 1% 1K 0402 1% 1K 0402 1% 1K 0402 1% 1L 0402 1%	Transistor BIT Pap Pap Pap Transistor BIT NPN Resistor	O2, O3, O4 R1 R2, R5 R2, R4, R16 R6 R7 R8 R9 R7, R8 R1 R1 R1 R1 R1 R1 R1 R1 R1	PMB13904 R2512 R0402	1 1 2 2 3 3 1 1 1 1 7 7 1 1 1 1 1 1 2 2 2 2 2 2 2
M38HE PMB13906 PMB13906 STOPP M513904 SIR 0402 1% SIR 0402 1% 40.2K 0402 1% 1K 0402 1% IK 0402 1%	Transistor BJT PAP PAP PAP Transistor BJT NPP Resistor	O2, O3, O4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R8 R8 R8 R8 R8 R8 R10 R11 R12 R11 R12 R14, R19, D20, R28 R29 R34 R40, R19, R20, R34 R35 R40, R19, R20, R34 R35 R40, R19, R20, R34 R35 R40, R41, R42 R41, R41, R41, R41, R41, R41, R41, R41,	PMB13904 R2512 R0402 R0402 R0402 R0402 R0403 R0402 R0402 R0402 R0402 R0402 R0402 R0402 R0402	1 3 3 1 1 2 2 3 3 1 1 1 1 1 1 1 1 1 1 1
M38HE PAMB13906 PAMB13906 PAMB13906 SIGNOPM 2512 1% S38R 0402 1% 100K 0402 1% 10 L00K 0402 1% 1K 0402 1%	Transistor BIT PopP Practice BIT Fransistor BIT NPN Resistor	O2, O3, O4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R9 R9, R29, R29, R54, R55, R57, R58 R10 R11 R12 R13 R14, R19, R20, R21, R22, R24, R3, R34, R37, R38, R34, R37, R38, R34, R37, R38, R39, R40, R41, R42, R44, R45, R46, R47, R48, R56 R17 R18	PMB13904 R2512 R0402	1 3 3 1 2 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1
M38HE PMB13906 PMB13906 PMB13906 150 STOP 1512 156 100K 0402 1% 100K 0402 1% 100K 0402 1% 11K 0402 1%	Transistor BJT PAPP PAP Transistor BJT NPP Resistor	O2, O3, O4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R8 R7 R8 R8 R7 R8 R8 R7 R8 R10 R11 R12 R11 R12 R13 R14, R10, R20, R21, R22, R3 R3 R4 R5, R57, R58 R57 R17 R17 R17 R17 R18 R19	PMBT3904 R2512 R0402	1 3 3 1 1 2 2 3 3 1 1 1 1 1 1 1 1 1 1 1
M38HE PMB13906 PMB13906 PMB13906 15 PMB13906 15 PMB13906 15 PMB13906 16 PMB139	Transistor BJT PAP PAP PAP PAP Resistor	O2, O3, O4 R1 R2, R5 R2, R4, R16 R6 R7 R8 R8 R6 R7 R8 R8 R10 R11 R12 R13 R11 R12 R13 R14, R19, R20, R21, R22, R24, R25, R24, R31, R38, R34, R37, R38, R38, R38, R38, R38, R38, R38, R38	PMB13904 PAB13904 P2512 R0402	1 1 2 2 2 2 2 2 4 4 4 1 1
M38HE PAMBT3906 PPMBT3906 STOPP M513904 SIR 0402 1% SI	Transistor BIT Pap Pap Pap Transistor BIT Resistor	O2, O3, O4 R1 R2, R5, R1, R4, R10 R6 R7 R8 R8, R4, R10 R8 R9, R20, R29, R84, R55, R57, R58 R10 R11 R12 R12 R13 R14, R19, R20, R21, R22, R24, R31, R31, R38 R39, R40, R41, R42, R44, R47, R48, R56 R15 R15 R17 R18 R19 R23, R50, R51, R63, R651, R63, R651, R65, R651, R652,	PMBT3904 R2512 R0402	1 3 3 3 1 1 1 7 7 1 1 1 1 1 1 1 4 4 1 1 1 1 1 1
M38HE PMB13906 PMB13906 PMB13906 1570Pm 2512 158 33R 0402 158 100K 0402 158 100K 0402 158 11K 04	Transistor BJT PAPP PAP Transistor BJT NPP Resistor	O2, O3, O4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R8 R8 R8 R8 R8 R8 R10 R11 R12 R14 R12, R20, R21, R22, R24, R25, R28, R3, R3, R41, R18, R42, R48, R45, R48, R45, R48, R47, R48, R45, R48, R47, R48, R47, R48, R45, R48, R47, R48, R45, R47, R48, R45, R48, R47, R48, R48, R47, R48, R47, R48, R47, R48, R47, R48, R48, R47, R48, R48, R47, R48, R48, R47, R48, R48, R48, R48, R48, R48, R48, R48	PMB13904 R2512 R0402	1 3 3 1 1 2 2 2 2 2 2 2 2 2 1 1 1 4 4 1 1 1 1
M38HE PMB13906 PMB13906 PMB13906 3376 VA	Transistor BIT Pape Pape Transistor BIT NPN Resistor	O2, O3, O4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R9, R28, R29, R54, R55, R57, R58 R10 R11 R12 R13 R14, R19, R20, R21, R22, R24, R25, R26, R31 R34, R37, R38, R35, R36, R37, R38, R36, R37, R38, R37, R38, R38, R38, R38, R39, R40, R41, R41, R42, R44, R45, R46, R47, R48, R56 R17 R18 R18 R33, R50, R51, R53 R33 R33 R33 R33 R33 R33 R33	PMB13904 PAB13904 P2512 R0402	1 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
M38HE PMB13906 PMB13906 PMB13906 1570Pm 512 158 33R 0402 1% 100K 0402 1% 100K 0402 1% 11K 0402 1%	Transistor BJT Pap Pap Pap Pap Pap Resistor	O2, O3, O4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R8 R8, R8, R16 R8 R7 R8 R8 R8, R28, R29, R54, R529, R54 R8 R10 R11 R12 R11 R12 R13 R14, R19, R20, Q21, Q22, Q24, R31, R31, R38, R39, R40, R41, R42, R44, R47, R48, R56 R15 R17 R17 R17 R17 R17 R17 R17 R17 R18 R23, R50, R51, R53, R53, R51, R53, R53, R51, R53, R53, R51, R53, R53	PMBT3904 R2512 R0402	1 3 3 3 1 1 2 2 3 3 3 1 1 1 1 1 1 1 1 1
M38HE PMB13906 PMB13906 PMB13906 15	Transistor BJT PAPP PAP Transistor BJT NPP Resistor	O2, O3, O4 R1 R2, R5 R3, R4, R16 R6 R7 R8 R8 R6 R7 R8 R8 R10 R11 R12 R13 R11 R12 R13 R14 R14, R19, R20, R21, R22, R24, R25, R26, R31, R34, R87, R88, R84, R87, R88, R84, R87, R88, R85, R84, R87, R88, R84, R87, R88, R84, R87, R88, R85, R84, R87, R88, R85, R84, R87, R88, R85, R84, R87, R88, R86, R87, R88, R89, R80, R81, R89, R80, R81, R89, R80, R81, R89, R80, R81, R83, R83, R83, R83, R83, R83, R89, R83, R83, R83, R83, R89, R83, R83, R83, R83, R89, R82, R83, R83, R83, R89, R82, R83, R83, R89, R83, R89, R83, R83, R89, R85, R86, R83, R89, R85, R86, R83, R89, R85, R86, R83, R89, R85, R86, R83, R89, R89, R83, R83, R89, R85, R86, R83, R89, R89, R83, R83, R89, R89, R83, R83, R89, R89, R83, R83, R83, R89, R89, R89, R83, R83, R83, R89, R89, R83, R83, R83, R89, R89, R89, R83, R83, R83, R83, R89, R89, R83, R83, R83, R89, R89, R83, R83, R83, R84, R85, R84, R84, R84, R84, R84, R84, R84, R84	PMBT3904 PABT3904 R2512 R0402	1 1 2 2 2 2 2 3 3 1 1 1 1 1 1 1 1 1 1 1
M38HE PMB13906 PMB13906 PMB13906 150 PMB13906 100 K0402 1% 11 K0403 1% 12 K0402 1% 12 K0402 1% 13 3K 0402 1% 14 K0403 1% 15 K0403 1% 16 K0403 1% 17 K0403 1% 18 K0403 1%	Transistor BIT PAPP PAP Transistor BIT NPAP Resistor	O2, O3, O4 R1 R2, R5 R2, R4, R16 R6 R7 R8 R8 R6 R7 R8 R8 R10 R11 R12 R13 R14, R19, R20, R21, R22, R24, R25, R26, R3, R36, R36, R36, R36, R36, R36, R36	PMB13904 PAB13904 PAB13904 R2512 R0402	1 1 2 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1
M38HE PMB13906 PMB13906 PMB13906 1500PmB13904 1500PmB1390	Transistor BJT PAPP PAP Transistor BJT NPP Resistor	O2, O3, O4 R1 R2, R5 R3, R4, R10 R6 R7 R8 R8, R4, R10 R8 R9 R8 R9, R28, R29, R84, R55, R57, R58 R10 R11 R12 R12 R11 R12 R14, R19, R20, R21, R22, R24, R25, R24, R33, R39, R40, R41, R42, R44, R45, R36, R38, R39, R40, R41, R42, R44, R45, R42, R43, R51, R42, R44, R45, R56 R15 R15 R17 R18 R18 R19 R27 R31, R40, R81, R52 R31 R31 R31 R32 R33, R40, R81, R32 R33, R40, R82, R31, S22 R31, S32	PMBT3904 PABT3904 R2512 R0402	1 3 3 3 2 2 2 2 2
18(19)7年(17-14) M3明程 PMBT3904 PMBT3904 PMBT3904 SMCH0719 1338 R0402 1% 100K 0402 1% 100K 0402 1% 100K 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1% 11 0402 1	Transistor BJT Pap Pap Pap Pap Pap Resistor	O2, O3, O4 R1 R2, R5 R2, R4, R16 R6 R7 R8 R8 R6 R7 R8 R8 R10 R11 R12 R13 R14, R19, R20, R21, R22, R24, R25, R26, R3, R36, R36, R36, R36, R36, R36, R36	PMBT3904 PABT3904 R2512 R8402 R8403	1 1 2 2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1