



Comment	Description	Designator	Footprint	LibRef	Quantity
TCN4107M035R010 0E	京瓷/AVX 贴片聚合 物钽电容器 35V 100uF ±20% 2924 ESR=100mΩ	C1	TCN4	CAP2	1
EMK325ABJ107MM- T	1210尺寸多层陶瓷电 容器(MLCC) XSR材 质, 16V 100uF±20%	C2, C3, C4, C5, C6	1210C	Cap	5
22uF (226) 20% 25V	贴片电容	C7, C10	0805_C	0805 22uF (226) 20% 25V	2
220nF (224) 10% 16V	贴片电容	C8	0402_C	0402 220nF (224) 10% 16V	1
100nF (104) 10% 16V	贴片电容	C9, C14, C15, C20	0402_C	0402 100nF (104) 10% 16V	4
4.7uF (475) 20% 10V	贴片电容	C11, C12	0402_C	0402 4.7uF (475) 20% 10V	2
68nF (683) 10% 50V	贴片电容	C13	0402_C	0402 100nF (104) 10% 16V	1
1.0uF (105) 10% 25V	贴片电容	C16	0402_C	0402 1.0uF (105) 10% 25V	1
10uF (106) 10% 10V	贴片电容	C17	0603_C	0603 10uF (106) 10% 10V	1
10nF (103) 10% 50V	贴片电容	C18	0402_C	0402 10nF (103) 10% 50V	1
470nF (474) 10% 10V	贴片电容	C19	0402_C	0402 470nF (474) 10% 10V	1
1nF (102) 10% 50V	贴片电容	C21	0402_C	0402 1nF (102) 10% 50V	1
1N4148WS T4	二极管	D1	SOD-323	SOD-323 1N4148WS T4	1
BZT52C3V9S W5	SOD-323封装贴片稳 压二极管, 3.9V 200mW	D2	SOD-323	SOD-323 1N4148WS T4	1
EBMS100505A050	贴片磁珠 200mA 5R±25% 100MHz	FB1	0402_L	0402 12nH 5%	1
XAL1060-122MEB	Coilcraft Inductor XAL1070 Series	L1	XAL1010-XXXME	Inductor Iron	1
AP80P02DF	永源微 PDFN3x3-8L -20V -80A 4.0mΩ P 沟道MOSFET	Q1, Q2, Q3	DFN-8_L3.0-W3.0- P0.65-BL	SON/DFN5x6 MOS	3
BSZ011NE2LS5IATM A1	PDFN3x3 37nC 25V 40A 1.1mΩ OptiMOS-5 N沟道 MOSFET	Q4, Q5	DFN-8_L3.0-W3.0- P0.65-BL	SON/DFN5x6 MOS	2
BSZ050N03MSG	PDFN3x3 30V 45A 4.6mΩ OptiMOS-3 N沟道MOSFET	Q6	DFN-8_L3.0-W3.0- P0.65-BL	SON/DFN5x6 MOS	1
2N7002KW	单N沟道MOSFET(场 效应管)	Q7	SC70-3	2N7002 7002	1
DMG6601LVT-7	SOT23-6 N+P Ch. MOSFET	Q11	SOT95P245X110-6N	DMG6601LVT	1
20KΩ (2002) ±1%	贴片电阻	R1, R24	0402_R	0402 20KΩ (2002) 1%	2
0Ω (0R0) ±1%	贴片电阻	R2, R15	0402_R	0402 0Ω (0R0) 1%	2
100KΩ (1003) ±1%	贴片电阻	R3, R4, R13, R18, R22, R23	0402_R	0402 100KΩ (1003) 1%	6
10KΩ (1002) ±1%	贴片电阻	R5, R9, R11, R16, R25, R28	0402_R	0402 10KΩ (1002) 1%	6
11KΩ (1002) ±1%	贴片电阻	R6	0402_R	0402 10KΩ (1002) 1%	1
110KΩ (1103) ±1%	贴片电阻	R7	0402_R	0402 10KΩ (1002) 1%	1
BVT-I-R003-1.0	德国伊萨ISA精密检 流电阻, 2512 3mΩ ±1% <50ppm/K	R8	2512	Res	1
RL12FTNR100	1206厚膜采样电阻 0.1Ω ±1% 1/2W	R10	1206R	Res	1
7.5MΩ (7504) ±1%	贴片电阻	R12	0402_R	0402 1MΩ (1004) 1%	1
470Ω (4700) ±1%	贴片电阻	R14, R17	0402_R	0402 470Ω (4700) 1%	2
1.5KΩ (1501) ±1%	贴片电阻	R19	0402_R	0402 1.5KΩ (1501) 1%	1
680K (6803) ±1%	贴片电阻	R20	0402_R	0402 680Ω (6800) 1%	1
470KΩ (4703) ±1%	贴片电阻	R21	0402_R	0402 470KΩ (4703) 1%	1
330KΩ (3303) ±1%	贴片电阻	R26	0402_R	0402 330KΩ (3303) 1%	1
SDNT1608X104F425 0FTF	0603贴片NTC热敏电 阻, 100KΩ (1003) ±1% B4250	R27	0603_R	0603 100KΩ (1003) 1%	1
SIC431AED-T1-GE3	3 to 24V Input 24A MicroBuck DCDC Converter with built- in MOSFET	U1	QFN_ED-T1-GE3_VIS	SIC431AED-T1-GE3	1
TLV333IDBVR	低噪声轨到轨输入输 出精密运放 350Khz	U2	SOT95P245X110-5N	TLV333IDBVR	1
CH443K	Low-Voltage Analog Switch SPDT,1.8-5V Power	U3	SC70-6	NC75B3157P6X	1
TPS7B6950DBVR	150mA 40V max input Ultra low Iq LDO, fixed 5V output	U4	SOT95P245X110-5N	TPS7B6933DBVR	1
CM856990NAQN20	增强型内存1T 8051单	U5	QFN40P300X300X80	CM856990NA-QFN20	1