







Comment	Description	Designator	Footprint	LibRef	Quantity
		C1, C16, C23, C33	0402_C	0402 1.0uF (105) 10% 25V	4
	1210 MLCC X5R 16V 10%	C2, C3	1210C	Cap	2
TCJU157M035	35V 150uF Conductive Polymer Solid Capacitor 100mR ESR. 7362	C4, C5	CAPMP7362X41N	TCJU157M035R0100 E	2
220nF (224) 10% 16V	Size 贴片电容	C6, C32	0402_C	0402 220nF (224) 10% 16V	2
330nF (334) 10%	贴片电容	C7	0603_C	0603 330nF (334)	1
25V	贴片电容	C8	0402_C	10% 25V 0402 4.7uF (475)	<u> </u>
				20% 10V 0402 4.7uF (475)	<u>'</u>
2 2nF (222) 5% 50V	贴片电容	C9	0402_C	20% 10V 0402 2.2nF (222)	1
COG	贴片电容	C10 C11, C13, C14, C21,	0402_C	10% 50V	1
100nF (104) 10% 16V 10uF (106) ±10%	贴片电容	C24, C25, C26, C27, C29, C30, C31, C34	0402_C	0402 100nF (104) 10% 16V	12
16V	钽电容	C12	CASE-A_3216	3216 10uF (106) 10% 16V 0603 1uF (105) 10%	1
	贴片电容	C15	0603_C	50V 0603 10uF (106) 10%	1
	贴片电容	C17	0603_C	10V 0402 1nF (102) 10%	1
	贴片电容	C18	0402_C	50V	1
	Capacitor	C19, C20	0805C	Cap 0402 10nF (103) 10%	2
. , ,	贴片电容 1310 MUCC VER 161/	C22	0402_C	50V	1
	1210 MLCC X5R 16V 10%	C28	1210C	Cap	1
1N5819WS	二极管	D1	SOD-323	SOD-323 1N4148WS T4	1
1N4148WS T4		D2	SOD-323	SOD-323 1N4148WS T4	1
	Coilcraft Inductor XAL1010 Series	L1	XAL1010-XXXME	Inductor Iron	1
500R 5%	贴片磁珠	L2	0402_L	0402 27nH 5%	1
4R7MC	Magnetic-Core Inductor	L4	0420CDMCCDS- ***MC	Inductor Iron	1
模拟插头	Header, 2-Pin, Dual row	P1	MHDR2X2	MHDR2X2	1
数子插头	Header, 3-Pin, Dual row	P2	MHDR2X3	MHDR2X3	1
BSS138PS	Dual N-Channel	Q1	SC70-6	2N7002DW	1
	贴片电阻	R1	0402_R	0402 49.9KΩ (4992) 1%	1
31.6KΩ (3163)	贴片电阻	R2	0402_R	0402 49.9ΚΩ (4992)	1
±0.1%	贴片电阻	R3, R19	0402_R	1% 0402 10KΩ (1002)	2
RI P25FFGR001	2512 1mΩ合金检流	R4	2512-Virtual4Wire	1% shunt	1
	电阻 3W 贴片电阻	R5		0402 18ΚΩ (1802)	1
	贴片电阻	R6, R15, R20	0402_R	1% 0402 3.3KΩ (3301)	,
	贴片电阻	R7	0402_R	1% 0402 0Ω (0R0) 1%	1
	贴片电阻	R8	0402_R	0402 0Ω (0R0) 1%	1
200Ω (2000) ±0.5%	贴片电阻	R9	0402_R	0402 200Ω (2000) 1%	1
510Ω (5100) ±1%	贴片电阻	R10, R11	0402_R	0402 510Ω (5100) 1%	2
560Ω (5600) ±1%	贴片电阻	R12	0402_R	0402 22KΩ (2202) 1%	1
10Ω (10R0) ±1%	贴片电阻	R13	0402_R	0402 10Ω (10R0) 1%	1
470Ω (4700) ±1%	贴片电阻	R14	0402_R	0402 470Ω (4700) 1%	1
200Ω (2000) ±1%	贴片电阻	R16	0402_R	0402 200Ω (2000) 1%	1
	贴片电阻	R17	0402_R	0402 2KΩ (2001) 1%	1
	贴片电阻 贴片电阻	R18 R21	0402_R 0402_R	0402 1KΩ (1001) 1% 0402 0Ω (0R0) 1%	1 1
LT3741EUF	Constant Voltage/Current	U1		LT3741EUF	1
MP86956GMJ	MPS 70A INTELLI- PHASE SPS in	U2	TDA21490	MP86957	1
TPS7B6933DBVR	5x6mm QFN41 150mA 40V max input Ultra low lq LDO,fixed 3.3V output	U3	SOT95P245X110-5N	TPS7B6933DBVR	1
AD5693RACPZ-RL7	16bit I2C Nano DAC with 2.5V internal Ref in 2x2mm SON	U4	LFCSP-8-10	AD5693RACPZ-RL7	1
NA219AIDCNR	26V Dual Direction 12bit I2C Power	U5	SOT23-8	INA219AIDCNR	1
CH443K	Gauge SOT23-8 Low-Voltage Analog Switch SPDT,1.8-5V	U6, U8	SC70-6	NC7SB3157P6X	2
NA199A1DCKR	Power 50Khz 50V/V 26V Max High Side Current Op Amp.	U7	SC70-6	INA199A2DCKR	1
ENTALVC1G08DCVP	Single 2-Input Positive-AND Gate, DCK0005A, LARGE	U9	DCK0005A_N	SN74LVC1G08DCKR	1
	T&R	1113	SULTER DATE NATION CO.	SV8120	ļ .
SY8253B1ABC	3A 23V Input 500KHz	UIS	SOT95P245X110-6N	518120	1