

Line #	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	1k		3.3k, R22	2							
	100nF		C1, C2, C3, C6, C9, C10, C14, C15, C16	9							
	15pF		C4, C5	2							
	10nF/3kV		C7	1							
	10uF		C8	1							
	10nF / 3kV		C11, C12	2							
	-		C13, C17, C18, C19	4							
	470uF		C20	1							
	STLZ 2 Pole		CON1, CON2	2							
	DIODE		D1, D3, D4	3							
	SMBJ12		D2	1							
	1A		F1	1							
	HOLE		H1, H2, H3, H4	4							
	10k		R1, R2, R3, R4, R12, R13, R23, R24, R33, R35	10							
	0R		R5, R36	2							
	100mR		R6	1							
	3.3M		R7, R8, R9	3							
	330R		R10, R37, R38	3							
	20R		R11	1							
	330k		R14, R15, R16, R17, R19, R21, R25, R26, R27, R28	10							
	510R		R18	1							
	100k		R20	1							
	4R7		R29	1							
	110k		R30	1							
	200k		R31	1							
	18k		R32, R34	2							
	BC817		T1	1							
	BC808		T3	1							
	DARFON_CCFL_TRANSFORMER		TR1	1							
	8MHz		X1	1							
	20V Vbr		Z1	1							
	3.6V Vbr		Z2, Z3	2							
	STM32F301K6T6	ARM Microcontrollers - MCU Mainstream Mixed signals MCUs ARM Cortex-M4 core with DSP and FPU, 64 Kbytes Flash, 72 MHz CPU, 12-bit ADC 5 MSPS, Comparator, Op-Amp	U1	1							
	INA180A2IDBVR	Current Sense Amplifiers MULTI CHANNEL CURRENT SENSE L/H SIDE	U2	1							
	Header 4	Header, 4-Pin	P3	1							
	Header 6H	Header, 6-Pin, Right Angle	P2	1							
	Header 7X2	Header, 7-Pin, Dual row	P1	1							
	MMBF170	N MOSFET	T4, T5	2							
	OPA992-Q1	OPA992-Q1 Automotive, 40-V Rail-to-Rail Input or Output, Low Offset Voltage, Low Noise Op Amp GBW 10.6MHz	U3	1							
	N-MOSFET	Power N-MOSFET 100V @1.5A 500mR 1.25W SOT223	T2	1							