

Designator	Value	Comment	Description	Footprint	Quantity
C1, C2, C7	100nF	Capacitor - Nonpolarized	Nonpolarized Capacitor	0805 - Capacitor	3
C3	10nF	Capacitor - Nonpolarized	Nonpolarized Capacitor	0805 - Capacitor	1
C4	1uF	Capacitor - Nonpolarized	Nonpolarized Capacitor	0805 - Capacitor	1
C5, C6	28pF	Capacitor - Nonpolarized	Nonpolarized Capacitor	0805 - Capacitor	2
C8, C9	10mF	Capacitor - Nonpolarized	Nonpolarized Capacitor	0805 - Capacitor	2
J1, J2		B3B-EH-A	1x3 Pin Header	B3B-XH	2
J3, J4		1x4 Header	1x4 Pin Header	B4B-XH	2
J5		1x5 Header	1x5 Pin Header	HDR1X5	1
Q1		MOSFET-N	N-Channel MOSFET	SC70/SOT323	1
R1, R2, R3	10k	Resistor	Resistor	0603 - Resistor	3
R4, R5, R6	20k	Resistor	Resistor	0603 - Resistor	3
R7	500m	Resistor	Resistor	0603 - Resistor	1
U1		STM32F303K6T6	Integrated Circuit	QFP80P900X900X160-32N	1
U2		TJA1051T_3,118	CAN Transceiver IC 4.5V-5.5V 250ns	TJA1051T/3,118	1
U3		TLV1117-33IDCYR	Linear Voltage Regulator IC 3.3V 800MA SOT223-4	TLV1117	1
U4		INA180	0V to 26V Current Sense Amplifier	INA180	1
Y1		Oscillator	Crystal Oscillator	2-SMD NO LEAD CRYSYAL	1



