Part	Value	Description	Manufacturer Part Num	Purchase Link	In Stock
C1	1nF	Pressure Sensor Decoupling	C315C102K1R5TA7301	https://www.mouser.com/ProductDetail/KEMET/C315C102K1R5TA7301?qs=1OiLlmb%252BG4ePsn46AUZ5LQ%3D%3D	
C2	100nF	Pressure Sensor Decoupling	C322C104K5R5TA7301	https://www.mouser.com/ProductDetail/KEMET/C322C104K5R5TA7301?qs=KfB3n62fOAmGC1KzMqasfw%3D%3D	
C3	1nF	Pressure Sensor Decoupling	C315C102K1R5TA7301	https://www.mouser.com/ProductDetail/KEMET/C315C102K1R5TA7301?qs=1OiLlmb%252BG4ePsn46AUZ5LQ%3D%3D	
C4	100nF	Pressure Sensor Decoupling	C322C104K5R5TA7301	https://www.mouser.com/ProductDetail/KEMET/C322C104K5R5TA7301?qs=KfB3n62fOAmGC1KzMqasfw%3D%3D	
C5	1nF	Pressure Sensor Decoupling	C315C102K1R5TA7301	https://www.mouser.com/ProductDetail/KEMET/C315C102K1R5TA7301?qs=1OiLlmb%252BG4ePsn46AUZ5LQ%3D%3D	
C6	100nF	Pressure Sensor Decoupling	C322C104K5R5TA7301	https://www.mouser.com/ProductDetail/KEMET/C322C104K5R5TA7301?qs=KfB3n62fOAmGC1KzMqasfw%3D%3D	
C7	1nF	Pressure Sensor Decoupling	C315C102K1R5TA7301	https://www.mouser.com/ProductDetail/KEMET/C315C102K1R5TA7301?qs=1OiLlmb%252BG4ePsn46AUZ5LQ%3D%3D	
C8	100nF	Pressure Sensor Decoupling	C322C104K5R5TA7301	https://www.mouser.com/ProductDetail/KEMET/C322C104K5R5TA7301?qs=KfB3n62fOAmGC1KzMqasfw%3D%3D	
C9	47uF	Bulk Cap, Electrolytic	ECA-1HM470	https://www.mouser.com/ProductDetail/Panasonic/ECA-1HM470?qs=JVkwg7sf6ag30xYqwv9FIg%3D%3D	
DRIVER1	A4990_DUAL_MOTOR_DRI\	A4990 Dual Motor Driver Carrier (Pololu)	2137	https://www.pololu.com/product/2137/	
DRIVER2	A4990_DUAL_MOTOR_DRI\	A4990 Dual Motor Driver Carrier (Pololu)	2137	https://www.pololu.com/product/2137/	
J1	VIN Connector	TERMI-BLOK PCB MOUNT 2P. 5	282841-2	https://www.mouser.com/ProductDetail/TE-Connectivity/282841-2?qs=gdajpSf3VLd4K34xU%252BwLgw%3D%3D	
J2	RS485 out	TERMI-BLOK PCB MOUNT 2P. 5	282841-2	https://www.mouser.com/ProductDetail/TE-Connectivity/282841-2?qs=gdajpSf3VLd4K34xU%252BwLgw%3D%3D	
J3	RS485 in	TERMI-BLOK PCB MOUNT 2P. 5	282841-2	https://www.mouser.com/ProductDetail/TE-Connectivity/282841-2?qs=gdajpSf3VLd4K34xU%252BwLgw%3D%3D	
V0	Valve 0 Connector	TERMI-BLOK PCB MOUNT 2P. 5	282841-2	https://www.mouser.com/ProductDetail/TE-Connectivity/282841-2?qs=gdajpSf3VLd4K34xU%252BwLgw%3D%3D	
V1	Valve 1 Connector	TERMI-BLOK PCB MOUNT 2P. 5	282841-2	https://www.mouser.com/ProductDetail/TE-Connectivity/282841-2?qs=gdajpSf3VLd4K34xU%252BwLgw%3D%3D	
V2	Valve 2 Connector	TERMI-BLOK PCB MOUNT 2P. 5	282841-2	https://www.mouser.com/ProductDetail/TE-Connectivity/282841-2?qs=gdajpSf3VLd4K34xU%252BwLgw%3D%3D	
V3	Valve 3 Connector	TERMI-BLOK PCB MOUNT 2P. 5	282841-2	https://www.mouser.com/ProductDetail/TE-Connectivity/282841-2?qs=gdajpSf3VLd4K34xU%252BwLgw%3D%3D	
P0	PRESSURE_SENSOR_ABP	Honeywell Pressure Sensor (ABPDRNN	ABPDRNN100PGAA5	https://www.mouser.com/ProductDetail/Honeywell/ABPDRNN100PGAA5?qs=sGAEpiMZZMvhQj7WZhFIAD2P7qVC0dZ7tl11ZYAVyGqQk%2FMhVJdgGw%3D%3D	
P1	PRESSURE_SENSOR_ABP	Honeywell Pressure Sensor (ABPDRNN	ABPDRNN100PGAA5	https://www.mouser.com/ProductDetail/Honeywell/ABPDRNN100PGAA5?qs=sGAEpiMZZMvhQj7WZhFIAD2P7qVC0dZ7tl11ZYAVyGqQk%2FMhVJdgGw%3D%3D	
P2	PRESSURE_SENSOR_ABP	Honeywell Pressure Sensor (ABPDRNN	ABPDRNN100PGAA5	https://www.mouser.com/ProductDetail/Honeywell/ABPDRNN100PGAA5?qs=sGAEpiMZZMvhQj7WZhFIAD2P7qVC0dZ7tl11ZYAVyGqQk%2FMhVJdgGw%3D%3D	
P3	PRESSURE_SENSOR_ABP	Honeywell Pressure Sensor (ABPDRNN	ABPDRNN100PGAA5	https://www.mouser.com/ProductDetail/Honeywell/ABPDRNN100PGAA5?qs=sGAEpiMZZMvhQj7WZhFIAD2P7qVC0dZ7tl11ZYAVyGqQk%2FMhVJdgGw%3D%3D	
NANO1	ARDUINO_NANO_EVERY	Arduino Nano Every	ABX00028	https://store-usa.arduino.cc/products/arduino-nano-every?gclid=CjwKCAjwxOymBhAFEiwAnodBLP_y1WvCcY0_Q8ntHPWPeAtwbuN7Mj739_57wv7qUN2cPk_mpQiYexoC38IQAvD_BwE	
C101	10nF	555 timer CV cap	C0805C103J5RAC7210	https://www.mouser.com/ProductDetail/KEMET/C0805C103J5RAC7210?qs=r%2FVmNO8Tjq51ppmyIeF1dQ%3D%3D	
C100	.1uF	555 timer timing cap	C0805C104J5RAC	https://www.mouser.com/ProductDetail/KEMET/C0805C104J5RAC?qs=r%2FVmNO8Tjq7NnSJCDQvpIg%3D%3D	
C102	.1uF	555 timer decouple cap	C0805C104J5RAC	https://www.mouser.com/ProductDetail/KEMET/C0805C104J5RAC?qs=r%2FVmNO8Tjq7NnSJCDQvpIg%3D%3D	
C103	.1uF	rs485 transciever decoupling cap	C0805C104J5RAC	https://www.mouser.com/ProductDetail/KEMET/C0805C104J5RAC?qs=r%2FVmNO8Tjq7NnSJCDQvpIg%3D%3D	
C105	100n	Buck converter Cboot	C0805C104K5RAC7411	https://www.mouser.com/ProductDetail/KEMET/C0805C104K5RAC7411?qs=jbRM9o5BbzPcVXF0wW9AYg%3D%3D	
C112	270p	Buck converter Cff	C0805C271K5RACTU	https://www.mouser.com/ProductDetail/KEMET/C0805C271K5RACTU?qs=E4s8%2FtsD28jC6IP0Hi7uBQ%3D%3D	
C109	4.7u	LDO output cap	C2012X7R1H475K125AC	https://www.mouser.com/ProductDetail/TDK/C2012X7R1H475K125AC?qs=P1JMDcb91o6brNyz9C%252BI3w%3D%3D	
C110	4.7u	LDO input cap	C2012X7R1H475K125AC	https://www.mouser.com/ProductDetail/TDK/C2012X7R1H475K125AC?qs=P1JMDcb91o6brNyz9C%252BI3w%3D%3D	
R108	10k	Buck converter Rfbb	CRCW080510K0FKEAC	https://www.mouser.com/ProductDetail/Vishay-Dale/CRCW080510K0FKEAC?qs=E3Y5ESvWgWORadmUijPtxQ%3D%3D	
R106	10.5k	Buck converter Rt	CRCW080510K5FKEA	https://www.mouser.com/ProductDetail/Vishay-Dale/CRCW080510K5FKEA?qs=LOX6nxTstibq9M0DnDL5gA%3D%3D	
R107	110k	Buck converter Rfbt	CRCW0805110KFKTA	https://www.mouser.com/ProductDetail/Vishay-Dale/CRCW0805110KFKTA?qs=lAAKfumqcshWZsupBaugGw%3D%3D	
S1	2PIN_DIP_DS01-254-S-02BE	RS485 Address select dip switch	DS01-254-S-02BE	https://www.mouser.com/ProductDetail/CUI-Devices/DS01-254-S-02BE?qs=wnTfsH77Xs5TMuWKJlzVww%3D%3D	
C106	47uF	Buck Converter Cout	GRM31CR61C476ME44L	https://www.mouser.com/ProductDetail/Murata-Electronics/GRM31CR61C476ME44L?qs=QzBtWTOodeXuG%2FGfulSygQ%3D%3D	
C107	47uF	Buck Converter Cout	GRM31CR61C476ME44L	https://www.mouser.com/ProductDetail/Murata-Electronics/GRM31CR61C476ME44L?qs=QzBtWTOodeXuG%2FGfulSygQ%3D%3D	
C108	47uF	Buck Converter Cout	GRM31CR61C476ME44L	https://www.mouser.com/ProductDetail/Murata-Electronics/GRM31CR61C476ME44L?qs=QzBtWTOodeXuG%2FGfulSygQ%3D%3D	
C104	4.7uF	Buck converter Cin	GRM31CR71H475KA12L	https://www.mouser.com/ProductDetail/Murata-Electronics/GRM31CR71H475KA12L?qs=QOxk%252BkhTc6I%252BVQUsJuOHog%3D%3D	
R100	10k	TX Pullup	KTR10EZPF1002	https://www.mouser.com/ProductDetail/ROHM-Semiconductor/KTR10EZPF1002?qs=DyUWGjl%252BcVt9YFVbj3Whfg%3D%3D	
R104	10k	555 Output Pullup	KTR10EZPF1002	https://www.mouser.com/ProductDetail/ROHM-Semiconductor/KTR10EZPF1002?qs=DyUWGjl%252BcVt9YFVbj3Whfg%3D%3D	
R105	10k	RX Pullup	KTR10EZPF1002	https://www.mouser.com/ProductDetail/ROHM-Semiconductor/KTR10EZPF1002?qs=DyUWGjl%252BcVt9YFVbj3Whfg%3D%3D	
R101	120	RS485 termination resistor	KTR10EZPF1200	https://www.mouser.com/ProductDetail/ROHM-Semiconductor/KTR10EZPF1200?qs=493kPxzlxfL5wHxRFe6rdg%3D%3D	
R102	1.6k	Current Limiting Resistor for TX LEd	KTR10EZPF1601	https://www.mouser.com/ProductDetail/ROHM-Semiconductor/KTR10EZPF1601?qs=493kPxzlxfJ7lrqbqDPDkw%3D%3D	
R103	910	Driver Enable Timing Resistor	KTR10EZPF9100	https://www.mouser.com/ProductDetail/ROHM-Semiconductor/KTR10EZPF9100?qs=493kPxzlxfIZs5Z6lLdj1A%3D%3D	
IC103	Buck Converter	Step-Down Buck Regulator	LMR14050SDDAR	https://www.mouser.com/ProductDetail/Texas-Instruments/LMR14050SDDAR?qs=G5PZsBocSXuzvyUQdQ5q2Q%3D%3D	
IC100	555 Timer	Rs485 auto enable driver timer	NE555DR	https://www.mouser.com/ProductDetail/?qs=gb35HGp1gQJ5U8ZthvvoVQ%3D%3D	
D100	PDS760-13	Buck converter diode	PDS760-13	https://www.mouser.com/ProductDetail/Diodes-Incorporated/PDS760-13?qs=%2FNF5U5UGuWlxwy7NIrHVWQ%3D%3D	
TX	Green LED	TX acttivity/driver enabled indicator LED	HLMP-1790	https://www.mouser.com/ProductDetail/Broadcom-Avago/HLMP-1790?qs=jT9z6tsiFNn7DUeN%2FWQOFQ%3D%3D	
IC101	RS485 Transciever	RS-485 Interface IC	THVD1428DR	https://www.mouser.com/ProductDetail/Texas-Instruments/THVD1428DR?qs=TiOZkKH1s2SLJsGaZSN%2FjA%3D%3D	
IC102	Analog LGO Regulator	LDO regulator	TPS7B6950QDBVRQ1	https://www.mouser.com/ProductDetail/Texas-Instruments/TPS7B6950QDBVRQ1?qs=n7vHx8wJlDGjk5D3YkjksA%3D%3D	
C111	8.2n	Buck converter Css	VJ0805Y822KXAAC	https://www.mouser.com/ProductDetail/Vishay-Vitramon/VJ0805Y822KXAAC?qs=3NWcvBQo1qOz1y0rS11B8w%3D%3D	
L100	3.3uH	Buck converter inductor	XAL4030-332MEC	https://www.mouser.com/ProductDetail/Coilcraft/XAL4030-332MEC?qs=zCSbvcPd3paCl%252Bgj18yZeg%3D%3D	
JP1	I2C Breakout	PIN HEADER			
JP100	JUMPER-SMT_2_NO_SILK	Normally open jumper			