















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
	C0805C104K1RACTU	CAP CER 0.1UF 100V X7R 0805	C1, C2, C4, C5, C7, C8, C11, C12		8 KEMET	C0805C104K1RAC	Volume Production				
	C0805C106K8RACTU		C3, C6		2 KEMET	C0805C106K8RACTU	Volume Production				
	EEE-1VA101XP	CAP ALUM 100UF 20% 35V SMD	C9		1 Panasonic	EEE-1VA101XP					
	GRM31CR71E106KA12L	Chip Multilayer Ceramic Capacitors for General Purpose, 1206, 10uF, X7R, 15%, 10%, 25V	C10		1 Murata	GRM31CR71E106KA12L	Volume Production				
	1935187	4 Position Wire to Board Terminal Block Horizontal with Board 0.197 (5.00mm) Through Hole	CN1		1						
	DF01SA-E3	IC BRIDGE RECT 1PHASE 100V 1A DFS 4-SMD	D1, D3		2 Vishay Semiconductors	DF01SA-E3/77	Volume Production				
	SMAJ58A	TVS DIODE 58VWM 93.6VC SMA	D2		1 Littelfuse	SMAJ58A	Volume Production				
	Wire Jumper 18 AWG	Wire Jumper 18 AWG	J1, J3, J4, J6		4						
	0826-1L1T-57-F	MagJack 10/100BASE-T	J5		1						
	LBM2016T3R3J	SMD Inductors 3.3uH ±5% 0.29A 0.884Ω 0806	L1		1 Taiyo Yuden	LBM2016T3R3J	Volume Production				
	W5100S-EVB-PICO	board to board solder pads for Castelated pads of W5100S-EVB-PICO	MCU1		1						
	MMBT4403LT1G	Switching Transistor, PNP Silicon, 3-Pin SOT-23, Pb-Free, Tape and Reel	Q1		1 ON Semiconductor	SMMBT4403LT1G	Volume Production				
	MMBT3906LT1G	General Purpose Transistor, PNP Silicon, 3-Pin SOT-23, Pb-Free, Tape and Reel	Q2		1 ON Semiconductor	MMBT3906LT1G	Volume Production				
	CRCW080520K0FKEA	RES Thick Film, 20kΩ, 1%, 0.125W, 100ppm/°C, 0805	R1		1 Vishay	CRCW080520K0FKEA	Volume Production				
	CRCW080510K0FKEA	RES Thick Film, 10kΩ, 1%, 0.125W, 100ppm/°C, 0805	R2		1 Vishay	CRCW080510K0FKEA	Volume Production				
	CRCW08050000Z0EA		R3		1 Vishay	CRCW08050000Z0EA					
	CRCW08058K20FKEA		R4		1 Vishay	CRCW08058K20FKEA	Volume Production				
	CRCW1206100KFKEA		R5, R7		2 Vishay Dale	CRCW1206100KFKEB	Volume Production				
	CRCW08054K70FKEA	RES Thick Film, 4.7kΩ, 1%, 0.125W, 100ppm/°C, 0805	R6, R11, R12, R14		4 Vishay	CRCW08054K70FKEA	Volume Production				
	CRCW12061M00FKEA	RES Thick Film, 1MΩ, 1%, 0.25W, 100ppm/°C, 1206	R8		1 Vishay	CRCW12061M00FKEA	Volume Production				
	CRCW0805100RFKEA		R9, R10		2 Vishay Dale	CRCW0805100RFKEA	Volume Production				
	CRCW12060000Z0EA	RES Thick Film, 0Ω, 0.25W, 1206	R15, R16, R18, R19		4 Vishay	CRCW12060000Z0EAC	Volume Production				
	HX711	Precision 24-bit analog-to-digital converter (ADC) designed for weigh scales and industrial control applications to interface directly with a bridge sensor.			1 Avia Semiconductor	HX711					
	LM339DR	IC QUAD DIFF COMP 14-SOIC	U2		1 Texas Instruments	LM339DR	Volume Production				
	BME280	SENSOR PRESSURE HUMIDITY TEMP	U3		1 Bosch Tools	BME280					
	AG9905-LPB	PD Module, Isolated DC-DC converter, IEEE802.3af compliant, Over Temp. Protection, Ind Temp. Range, Low Profile, SMT	U4		1 Silvertel	AG9905-LPB					