

Comment	Description	Designator	Footprint	LibRef	Quantity
10uF	CAP CER 10UF 6.3V XSR 1206 ±10% 6.3V Ceramic Capacitor XSR 1206 (3216 Metric)	C1, C2, C4, C6, C8, C10, C14, C16, C18, C20, C23, C31, C33, C35, C37, C40	Samsung_CL31_IPC_A_1206	CL31A106K0HNNWE	16
100nF	CAP CER 0.1UF 50V X7R 1206 ±10% 50V Ceramic Capacitor X7R 1206 (3216 Metric)	C3, C5, C7, C9, C13, C15, C17, C19, C24, C32, C34, C36, C38, C39, C41	Samsung_CL31_IPC_A_1206	CL31B104KBCNFNC	15
22pF	CAP CER 22PF 1KV C0G/NPO 1206 ±5% 1000V (1KV) Ceramic Capacitor C0G, NPO 1206 (3216 Metric)	C11, C12, C29, C30	Samsung_CL31_IPC_A_1206	CL31C220JFNFNE	4
330UF 50V	Aluminum Electrolytic Capacitors Radial, Can - 10000 Hrs @ 105°C	C21	CAP_PAN_EEE_DB_PAN	330 uF 50 V Electrolytic Capacitors	1
100uF 35V	Aluminum Electrolytic Capacitors Radial, Can - 1000 Hrs @ 105°C	C22	CAP_PAN_EEE_DB_PAN	100 uF 35 V Electrolytic Capacitors Radial	1
1N5819	Rectifier, 2-Pin Axial, Lead, Pb-Free, Tape and Reel	D1	SMA (DO-214AC)	1N5819RLG	1
MHOLE		H1, H2, H3, H4	MHOLE	MHOLE	4
Single RJ45	HR911105A Ethernet Interface Arduino Platform Evaluation Expansion Board	J1	HANRUN_HR911105A	HR911105A	1
CDRH74NP-150MC-B	No Description Available	L1	IND_CDRH74_SUM	CDRH74NP-150MC-B	1
3mm LED	Green 569nm LED Indication - Discrete 1.9V Radial	LED1, LED2	1206_Inductor	TLLG4400	2
4 pin sil 2.54		P1	4 pin sil 2.54	4 pin sil 2.54	1
3 pin sil 2.54		P2	3 pin sil 2.54	3 pin sil 2.54	1
16P_IDC	Headers & Wire Housings 16P STRAIGHT	P3, P4	16Pin_IDC_Connector	BHR-16-VUA	2
KF7 62-3P	KF7 62-3P Barrier Terminal Block, 7.62mm spacing barrier terminals with side expandable slot. The terminal accepts wire gauge of 22-12AWG. Connectors are available black PA66 material.	P5	KF7 62-3P Barrier Terminal Block	KF7 62-3P Barrier Terminal Block	1
KF7 62-2P	KF7 62-2P Barrier Terminal Block, 7.62mm spacing barrier terminals with side expandable slot. The terminal accepts wire gauge of 22-12AWG. Connectors are available black PA66 material.	P6	KF7 62-2P Barrier Terminal Block	KF7 62-2P Barrier Terminal Block	1
MMBT2222A	TRANS NPN 40V 1A SOT-23	Q2	SOT23_M	MMBT2222A_nec_1	1
1K	1 ±5% 0.25W, 1/4W Chip Resistor 1206 (3216 Metric) Moisture Resistant Thick Film	R1, R2, R3, R7, R20	YAGEO_RC1206-0_65_IPC_A	RC1206JR-071KL	5
10K	10 ±1% 0.25W, 1/4W Chip Resistor 1206 (3216 Metric) Moisture Resistant Thick Film	R5, R21	YAGEO_RC1206-0_65_IPC_A	RC1206FR-0710KL	2
120R	RES 120 OHM 1/4W 0.1% AXIAL	R6	AXIAL 0.4	120R 1/4W	1
4K7	4.7 ±1% 0.25W, 1/4W Chip Resistor 1206 (3216 Metric) Moisture Resistant Thick Film	R9, R10	YAGEO_RC1206-0_65_IPC_A	RC1206FR-074K7L	2
100R	100 ±5% 0.25W, 1/4W Chip Resistor 1206 (3216 Metric) Moisture Resistant Thick Film	R11, R12, R14, R16, R18, R22	YAGEO_RC1206-0_65_IPC_A	RC1206JR-07100RL	6
Push Button	Switch Tactile N.O. SPST Round Button Gull Wing 0.05A 12VDC 200000Cycles 2.45N SMD T/R	SW1, SW2	Tactile Switch SPST	PTS526SKG15SMTR2LFS	2
STM32F401RCT6	No Description Available	U1	LOFP64-10x10mm	STM32F401RCT6	1
SN74LS245DW	Integrated Circuit	U2, U3, U4	SOIC127P1030X265-20N	SN74LS245DW	3
MAX487CPA+	Interface IC RS422/485 DIL-8, MAX487ECPA+, Maxim	U5	SOIC-8	MAX487ECPA+	1
AMS1117-3.3	Fixed 15V 3.3V 1.3V @ 800mA SOT-223 Dropout Regulators(LDO) RoHS	U6, U8	Advanced_Monolithic_Systems_AMS1117_IPC_A	AMS1117-3.3	2
ENC28J60-I/SO	Stand-Alone Ethernet Controller with SPI Interface, 28-Pin SOIC, Industrial Temperature	U7	SOIC-SO28_M	ENC28J60-I/SO	1
8 MHz	CRYSTAL 8.000MHZ 20PF THRU	Y1, Y2	CTS_ATS080B_0	CRYSTAL 8.000MHZ	2