

Line #	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1
1	CAP 100nF 35V 0402(1005)	CAP 100nF 35V ±20% 0402 (1005 Metric) Thickness 0.6mm SMD	C1, C3, C4, C6, C7, C8, C10, C11, C	17	TDK	C1005X7R1V104M
2	CAP 10uF 6.3V 0402(1005)	CAP 10uF 6.3V ±20% 0402 (1005 Metric) Thickness 0.6mm SMD	C2, C5	2	TDK	C1005X5R0J106M050BC
3	CAP 4.7uF 10V 0603(1608)	CAP 4.7uF 10V ±10% 0603 (1608 Metric) Thickness 0.55mm SMD	C9, C24	2	KEMET	C0603C475K8PACTU
4	CAP 18pF 10V 0402(1005)	CAP 18pF 10V ±10% 0402 (1005 Metric) Thickness 0.6mm SMD	C14, C15	2	Vishay Vitramon	VJ0402A180KXQCW1BC
5	CAP 1uF 6.3V 0402(1005)	CAP 1uF 6.3V ±10% 0402 (1005 Metric) Thickness 0.6mm SMD	C16, C18, C20, C27, C28, C29, C30	7	Kyocera AVX	04026D105KAT2A
6	USB3140-30-0230-1-C	Micro USB Receptacle, Type B, SMT, Vertical, with Through-Hole Shell Stakes, -30 to 85 deg	J1	1	Global Connector Tech	USB3140-30-0230-1-C
7	Inductor	Inductor	L1, L2, L3	3	Murata	LQM18PN3R3MGHD
8	DF37NB-16DS-0.4V	16 Position Connector Receptacle, Center Strip Contacts Surface Mount Gold	P1	1	Hirose	DF37NB-16DS-0.4V(51)
9	BC847CDXV6T5G	Dual General Purpose Transistors, NPN, 6-Pin SOT-563, Pb-Free, Tape and Reel	Q1, Q2	2	ON Semiconductor	BC847CDXV6T1G
10	1K 5% 0402(1005)	1K 0.063W 5% 0402 (1005 Metric) SMD	R1, R13, R14	3	Yageo	RC0402JR-071KL
11	MCR01MZPJ103	Chip Resistor, 10 KOhm, +/- 5%, 63 mW, -55 to 155 degC, 0402 (1005 Metric), RoHS, Tape a	R2, R3, R6	3	Rohm	MCR01MZPJ103
12	12K 1% 0402(1005)	12K 0.063W 1% 0402 (1005 Metric) SMD	R4, R5	2	Yageo	RC0402FR-0712KL
13	100R 5% 0402(1005)	100R 0.063W 5% 0402 (1005 Metric) SMD	R7	1	Vishay Dale	CRCW0402100RJNED
14	270R 5% 0402(1005)	270R 0.063W 5% 0402 (1005 Metric) SMD	R8, R10, R12	3	Panasonic	ERJ-2GEJ271X
15	82R 5% 0402(1005)	82R 0.063W 5% 0402 (1005 Metric) SMD	R9	1	Panasonic	ERJ-2GEJ820X
16	150R 5% 0402(1005)	150R 0.063W 5% 0402 (1005 Metric) SMD	R11	1	Vishay Dale	CRCW0402150RJNED
17	FT900Q-C-R	FT900 Embedded Microcontroller, support both CAN Bus and Ethernet features, -40 to +85 de	U1	1	FTDI	FT900Q-R
18	OVM7692	CMOS with Processor Image Sensor 640H x 480V 1.75µm x 1.75µm	U2	1	OmniVision Technologi	OVM7692-RAAA
19	AP7343-33W5-7	Linear Voltage Regulator IC 1 Output 300mA SOT-25	U3	1	Diodes Incorporated	AP7343-33W5-7
20	LP3992IMFX-1.5/NOPB	Micropower 1.5V CMOS Voltage Regulator with Shutdown Control, 5-pin SOT-23, Pb-Free	U4	1	TI National Semicondu	LP3992IMFX-1.5/NOPB
21	ABM10-25.000MHZ-D30-T3	12MHz ±25ppm Crystal 18pF 150 Ohms 4-SMD, No Lead	X1	1	ECS International	ECS-120-18-36-AGM-TR