

2020-02-15

Part #	Quantity	Designators	Manufacturer	Description
CL10B104KO8NNNC	9	C1, C2, C6-C11, C13	Samsung Electro-Mechanics	100nF $\pm 10\%$ 16V X7R 0603
HHXA500ARA470MHA0G	1	C3	United Chemi-Con	47 $\mu$ F $\pm 20\%$ 50V 8.3mm x 8.3mm x 10.3mm Aluminum-polymer
CL31B105KBHNNNE	1	C4	Samsung Electro-Mechanics	1 $\mu$ F $\pm 10\%$ 50V X7R 1206
CGA5L1X7R1C106K160AC	1	C5	TDK	10 $\mu$ F $\pm 10\%$ 16V X7R 1206
CL10B103KO8NNNC	2	C12, C14	Samsung Electro-Mechanics	10nF $\pm 10\%$ 16V X7R 0603
PMEG60T10ELPX	1	D1	Nexperia	60V 1A SOD128 Shottky Diode
SMAJ15CA-E3	1	D2	Vishay	Bidirectional 15V $V_{WM}$ TVS, SMA
0685T1500-01	1	F1	Bel Fuse Inc.	1.5A slow blow 1206 case fuse
PJ-102AH	1	J1	CUI Inc.	Jack for 2.0mm ID, 5.5mm OD barrel plug
282837-2	8	J2-J9	TE Connectivity	2 position 5.08mm pitch through hole terminal block
0438600002	1	J10	Molex	6p6c right angle through hole RJ25 modular jack
CRCW060310R0FKEAHP	7	R1, R2, R5, R6, R9, R10, R13	Vishay Dale	10 $\Omega$ $\pm 1\%$ $\pm 100$ ppm/ $^{\circ}$ C 0.33W pulse withstanding 0603
RMCF0603JT47K0	7	R3, R4, R7, R8, R11, R12, R14	Stackpole Electronics Inc.	47k $\Omega$ $\pm 5\%$ $\pm 200$ ppm/ $^{\circ}$ C 0.1W 0603
CRCW0603220RFKEAHP	1	R15	Vishay Dale	220 $\Omega$ $\pm 1\%$ $\pm 100$ ppm/ $^{\circ}$ C 0.33W pulse withstanding 0603
CRCW060310K0JNEAHP	2	R16, R19	Vishay Dale	10k $\Omega$ $\pm 5\%$ $\pm 200$ ppm/ $^{\circ}$ C 0.33W pulse withstanding 0603

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CRCW060322R0FKEAHP	3	R17, R20, R21	Vishay Dale	22 $\Omega$ $\pm 1\%$ $\pm 100\text{ppm}/^\circ\text{C}$ 0.33W pulse withstanding 0603
ERJ-PA3F2401V	1	R18	Panasonic Electronic Components	2.4k $\Omega$ $\pm 1\%$ $\pm 100\text{ppm}/^\circ\text{C}$ 0.25W pulse withstanding 0603
90380A107	4	S1–S4	McMaster-Carr	#4-20 thread, 0.3125" long shank, 0.219" head diameter thread forming screw for plastics
90380A005	6	S5–S10	McMaster-Carr	#2-28 thread, 0.25" long shank, 0.167" head diameter thread forming screw for plastics
90380A106	2	S11, S12	McMaster-Carr	#4-20 thread, 0.25" long shank, 0.219" head diameter thread forming screw for plastics
DLP05LC-7-F	11	TVS1–TVS7, TVS10–TVS13	Diodes Inc.	Low capacitance 5V V <sub>WM</sub> unidirectional TVS, SOT23-3
IFX24401TEV50ATMA1	1	U1	Infineon	45V input, 5V $\pm 2\%$ output, low quiescent current, low dropout linear regulator, TO252-5
NL17SZ17DFT2G	7	U2–U8	ON Semiconductor	32mA capable non-inverting Schmitt trigger buffer, SC-70-5
KC5032A32_0000CMGE00	1	U9	Kyocera	32MHz $\pm 50\text{ppm}$ $-40^\circ\text{C}$ to $85^\circ\text{C}$ 5V oscillator module
PIC16F15324-E/SN	1	U10	Microchip	4k instruction word, 512 byte RAM, 32MHz / 8MIPS 8-bit MCU, 14-SOIC