

Comment	Description	Designator	Footprint	LibRef	Quantity
08055C104JAZ2A		C1, C2, C6, C7, C9, C10, C14, C15, C17, C18, C21, C22, C27, C28, C30, C31, C32	CAPC2013X94X50LL2 0T25	CMP-2007-04369-1	17
08055C102JAT2A		C3, C4, C11, C12, C19, C20, C23, C24	CAPC2013X140X50ML 20T25	CMP-2007-04695-1	8
GRM32ER71H106KA1 2L	CAPCER10UF50V X7R1210	C5, C13	FP-GRM32-IPC_A	CMP-2000-05261-2	2
C2012X7R1A106K125 AC	Multilayer Ceramic Capacitors 10µF±10% 10V X7R SMD 0805	C8, C16, C25, C29	FP-C2012-125-0, 2-MFG	CMP-2000-05452-2	4
C0603C472J5RAC7U	C0603C 4.7nF Ceramic Multilayer Capacitor, 50 VDC, +125degC; X7R Dielec; +/-5%	C26	FP-C0603C-CF-IPC_B	CMP-1035-02202-3	1
1N5819HW-7-F	DIODE SCHOTTKY 40V 1A SOD123	D1	FP-SOD123-MFG	CMP-0303-00003-3	1
SMAJ12CA	TVSDIODE 12V 19.9V DO214AC	D2, D3, D4, D5, D6, D7, D8, D9	FP-SMAJ-CA-MFG	CMP-08607-000027-1	8
217179-0001	CONN RCP USB2.0 TYP C 24P SMD RA	J1	FP-2171790001-MFG	CMP-04767-000028-2	1
MEM2075-00-140-01-A	9 (8+1) Position Card Connector microSD Surface Mount, Right Angle Gold	J2	GCT_MEM2075-00-140-01-A	MEM2075-00-140-01-A	1
61300211121		P1, P3, P4	61300211121	CMP-1712-00002-6	3
61300811121		P2, P5	61300811121	CMP-1502-01076-3	2
CRGP1206F100R	CRGP1206 100Ω 0.5W ±100ppm/°C 1% 200V	R1, R3, R7, R9, R13, R15, R19, R21, R36, R37, R38, R39, R40, R41, R42, R43	FP-CRGP1206-IPC_C	CMP-03211-004949-1	16
RC0603FR-073KCL	Res General Purpose Thick Film 0603 3.3K Ohm 1% 1/10W ±100ppm/°C Molded SMD Paper T/R	R2, R4, R8, R10, R14, R16, R20, R22	FP-RC0603-0, 55-IPC_C	CMP-1012-00567-3	8
ERA-3AEB662V	Res Thin Film 0603 5.6K Ohm 0.1% 0.1W (1/10W) ±25ppm/°C Molded SMD Punched Carrier T/R	R5, R6, R11, R12, R17, R18, R23, R24	RESC1608X55X30LL20 T20	CMP-2000-00094-1	8
CRCW0603SK10FKEA	RES Thick Film, 5.1KΩ, 1%, 0.1W, 100ppm/°C, 0603	R25, R26	FP-CRCW0603-e3-MFG	CMP-1012-00590-3	2
ESR10EZPD60R4	Res Anti-surge 0805 60.4 Ohm 0.4W 0.5% SMD	R27, R28	FP-ESR10-IPC_C	CMP-08839-004762-1	2
ERUBXF1002V	Chip Resistor, 10 KOhm, +/- 1%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R29, R31, R32, R33, R34, R35, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53	RESC1609X55X30LL15 T15	CMP-1012-00623-3	16
CRCW1206120RFKEA	Res Thick Film 1206 120 Ohm 1% 1/4W ±100ppm/°C Molded SMD SMD Paper T/R	R30	FP-CRCW1206-e3-IPC_B	CMP-2003-04838-2	1
TLV2374IPWR	550 uA/Ch, 3 MHz, RRIO Operational Amplifier, 2.7 to 16 V, -40 to 125 degC, 14-pin SOP (PW14), Green (RoHS & no Sb/Br)	U1, U2	PW0014A_L	CMP-0272-02488-3	2
NCP1117ST33T3G	Low-Dropout Positive Fixed Voltage Regulator, 1A, 3.3 V Output Voltage, 0 to 125 degC, 4-Pin SOT-223 (318H-01), Pb-Free, Tape and Reel	U3	ONSC-SOT-223-4-318H-01_A_V	CMP-1679-00010-1	1
NCP1117ST50T3G	IC REG LINEAR 5V 1A SOT223	U4	FP-318H-IPC_C	CMP-0592-00001-4	1
ESP32-S3-WROOM-1U-N8R8	Bluetooth, WiFi 802.11b/g/n, Bluetooth v5.0 Transceiver Module 2.4GHz Antenna Not Included, U.FL Surface Mount	U5	XCVR ESP32-S3-WROOM-1U-N8R8	ESP32-S3-WROOM-1U-N8R8	1
TPD4E05U06DQAR	Quad 0.5-pF, 5.5-V, Av=12 V/SD protection diode for USB, HDMI & High Speed Interfaces	U6, U9	IC_TPD4E05U06DQAR	TPD4E05U06DQAR	2
TJA1015T3.118	High-Speed CAN Transceiver, 3 to 5 V, 8 Pin SOIC (SOT96-1), RoHS, Tape and Reel	U7	NXP-SOIC-8_N	CMP-2000-07245-1	1
THVD1450DR	IC TRANSCEIVER HALF 1/1 8SOIC	U8	FP-D0008A-MFG	CMP-04875-000017-1	1
SN74HCS244DWR	8-ch, 2-V to 6-V buffers with 3-state outputs	U10	SOIC127P1030X265-20N	SN74HC244DWR	1