

Comment	Manufacturer	Manufacturer Part Number	Description	Footprint	Designator	Quantity
54-00127			CONN JACK R/A PCB 5.5X2.1MM	54-00127	X1	1
1825027-8			Switch Tactile OFF (ON) SPST Round Button PC Pins 0.05A 24VDC 1.57N Thru-Hole Loose Piece	FP-1825027-8-MFG	SW1	1
2108783-2			Antenna, 5G/4G/3G/2G, NB-IoT, Cat-M, GNSS World Band, (SMD) / 617-3800 MHz	2108783-2	ANT1	1
742792645				WE-CBF_0603_L1.6W0.8H0.8_HC	L7	1
5039600694			CONN MICRO SIMM PUSH-PUSH R/A	5039600694	P2	1
ABM8-39.000MHZ-12-B1U-T			Crystal 39MHz ±10ppm (Tol) ±10ppm (Stability) 12pF FUND 40Ohm 4-Pin Ultra Mini-CSMD T/R	FP-ABM8-MFG	Y1	1
BG95M3LA-64-SGNS			Description Place Holder	BG95M3LA-64-SGNS	U1	1
BLM03AG700SN1D			Ferrite Beads Multi-Layer 700Ohm 100MHz 200mA 400mOhm DCR 0201 Paper T/R	Inductor_0201	FB1, FB2	2
BLM18AG102SN1			Ferrite Beads Multi-Layer 1KOhm 25% 100MHz 400mA 500mOhm DCR 0603 Paper T/R	FP-BLM18-0_15-t0_8-MFG	FB3, FB4	2
BRC2012T2R2MD			FIXED IND 2.2UH 1A 143 MOHM SMD	INDC2012X14N	L6	1
C_1uF_10V_0402_X5R_10%	GENERIC		C_1uF_10V_0402_X5R_10%	Capacitor_0402	C39	1
C_1uF_16V_0402_X5R_10%	GENERIC		C_1uF_16V_0402_X5R_10%	Capacitor_0402	C15, C27, C28, C30, C46	5
C_2.7pF_50V_0402_C0G/NP0_1%	GENERIC		C_2.7pF_50V_0402_C0G/NP0_1%	Capacitor_0402	C6	1
C_4.7uF_6.3V_0603_X5R_20%	GENERIC		C_4.7uF_6.3V_0603_X5R_20%	Capacitor_0603	C22	1
C_10nF_10V_0201_X7R_10%	GENERIC		C_10nF_10V_0201_X7R_10%	Capacitor_0201	C29	1
C_10nF_10V_0402_X7R_10%	GENERIC		C_10nF_10V_0402_X7R_10%	Capacitor_0402	C1, C2	2
C_10pF_50V_0402_C0G/NP0_1%	GENERIC		C_10pF_50V_0402_C0G/NP0_1%	Capacitor_0402	C53, C54	2
C_10pF_50V_0402_C0G/NP0_5%	GENERIC		C_10pF_50V_0402_C0G/NP0_5%	Capacitor_0402	C37	1
C_10uF_10V_0603_X5R_20%	GENERIC		C_10uF_10V_0603_X5R_20%	Capacitor_0603	C23	1
C_33pF_50V_0402_C0G/NP0_1%	GENERIC		C_33pF_50V_0402_C0G/NP0_1%	Capacitor_0402	C5, C9	2
C_33pF_50V_0402_C0G/NP0_5%	GENERIC		C_33pF_50V_0402_C0G/NP0_5%	Capacitor_0402	C38, C41, C42, C43, C44	5
C_47nF_10V_0402_X7R_10%	GENERIC		C_47nF_10V_0402_X7R_10%	Capacitor_0402	C49	1
C_68pF_50V_0402_C0G/NP0_1%	GENERIC		C_68pF_50V_0402_C0G/NP0_1%	Capacitor_0402	C52	1
C_100nF_10V_0201_X5R_20%	GENERIC		C_100nF_10V_0201_X5R_20%	Capacitor_0201	C24, C25, C26, C31	4
C_100nF_10V_0402_X7R_10%	GENERIC		C_100nF_10V_0402_X7R_10%	Capacitor_0402	C8, C40, C45, C47, C48	5
C_100pF_50V_0201_C0G/NP0_5%	GENERIC		C_100pF_50V_0201_C0G/NP0_5%	Capacitor_0201	C16, C21	2
C_100pF_50V_0402_C0G/NP0_1%	GENERIC		C_100pF_50V_0402_C0G/NP0_1%	Capacitor_0402	C51	1
C_100uF_10V_1210_X5R_20%	GENERIC		C_100uF_10V_1210_X5R_20%	Capacitor_1210	C3, C7, C32, C33, C34, C35, C36	7
C_150pF_50V_0402_C0G/NP0_1%	GENERIC		C_150pF_50V_0402_C0G/NP0_1%	Capacitor_0402	C50	1
C_220nF_10V_0402_X7R_10%	GENERIC		C_220nF_10V_0402_X7R_10%	Capacitor_0402	C4	1
C_470nF_50V_0402_X5R_10%	GENERIC		C_470nF_50V_0402_X5R_10%	Capacitor_0402	C20	1
EFR32FG23A010F512GM40-CR			FG23, Sub-GHz, 512kB Flash, 64kB RAM, +14 dBm, QFN40	QFN40P500X500X90_HS-41N	U2	1
ESD9X3.3ST5G			ON SEMICONDUCTOR - ESD9X3.3ST5G - ESD Protection Device, 10.4 V, SOD-923, 2 Pins, 3.3 V, 150 mW, ESD Series	ONSC-SOD-923-2-514AA-01_V	D1	1
ESDALC6V1-5P6			STMICROELECTRONICS ESDALC6V1-5P6 ESD Protection Device, TVS, 14 V, SOT-666, 6 Pins, 1 V, 30 W	ESDALC6V1-5P6-Footprint-1	D2	1
FDV303N			Trans Mosfet N-ch 25V 0.68A 3-PIN SOT-23 T/r	SOT95P237X111-3N	Q1, Q2, Q5, Q6, Q7, Q8	6
GJM0335C1E5R9CB01D	GENERIC		C_5.9pF_25V_0201_C0G/NP0_0.25pF	Capacitor_0201	C12	1
GRM0335C1H2R1BA01D	GENERIC		C_2.1pF_50V_0201_C0G/NP0_0.1pF	Capacitor_0201	C13	1
GRM0335C1H221GA01D	GENERIC		C_220pF_50V_0201_C0G/NP0_2%	Capacitor_0201	C10	1
LM66100DCKT			1.5-V to 5.5-V, 1.5-A, 0.5-uA IQ ideal diode with Integrated FET 6-SC70 -40 to 105	FP-DCK0006A-MFG	U5	1
LQG15HN12NJ02D			Inductor RF Chip Unshielded Multi-Layer 0.012uH 5% 100MHz 8Q-Factor Air 0.4A 0.4Ohm DCR 0402 T/R	FP-LQG15HH_02-IPC_A	L2	1
LQP03HQ4N2B02D			L_4.2nH_500mA_0201_Unshielded_0.1nH	Inductor_0201	L3	1
LQP03HQ16NH02D			L_16nH_250mA_0201_Unshielded_3%	Inductor_0201	L4	1
LQP03HQ18NH02D			L_18nH_250mA_0201_Unshielded_3%	Inductor_0201	L5	1
LTST-C19HE1WT			红色 绿色 蓝色 180mcd红色 · 450mcd绿色 · 180mcd蓝色	FP-LTST-C19HE1WT-MFG	LED3	1
MATCHING_C_2.4pF_50V_0402_C0G/NP0_1%	GENERIC		MATCHING_C_2.4pF_50V_0402_C0G/NP0_1%	Resistor_0402	R13	1
MATCHING_L_18nH_0402_5%_50V	GENERIC		MATCHING_L_18nH_0402_5%_50V	Resistor_0402	R11	1
NCP59302DSADJR4G			IC REG LINEAR POS ADJ 3A D2PAK-5	D2PAK-5	U3	1
PUSB3FA2Z	Nexperia		protect high-speed interfaces	PUSB3FA2-Footprint-1	D4	1
R_0R_0201_1%_50mW_50V	GENERIC		R_0R_0201_1%_50mW_50V	Resistor_0201	R10, R14, R15	3
R_0R_0402_1%_63mW_50V	GENERIC		R_0R_0402_1%_63mW_50V	Resistor_0402	R3, R4, R35	3
R_1K_0402_1%_63mW_50V	GENERIC		R_1K_0402_1%_63mW_50V	Resistor_0402	R1, R2, R21, R25, R27, R29	6
R_1M_0402_1%_63mW_50V	GENERIC		R_1M_0402_1%_63mW_50V	Resistor_0402	R30	1
R_10K_0402_1%_63mW_50V	GENERIC		R_10K_0402_1%_63mW_50V	Resistor_0402	R5, R6	2
R_10.7K_0402_1%_63mW_50V	GENERIC		R_10.7K_0402_1%_63mW_50V	Resistor_0402	R20	1
R_15K_0402_1%_63mW_50V	GENERIC		R_15K_0402_1%_63mW_50V	Resistor_0402	R23	1
R_22.1K_0402_1%_63mW_50V	GENERIC		R_22.1K_0402_1%_63mW_50V	Resistor_0402	R18	1

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R_51.1K_0402_1%_63mW_50V	GENERIC		R_51.1K_0402_1%_63mW_50V	Resistor_0402	R22	1
R_100K_0402_1%_63mW_50V	GENERIC		R_100K_0402_1%_63mW_50V	Resistor_0402	R19	1
R_100R_0402_1%_63mW_50V	GENERIC		R_100R_0402_1%_63mW_50V	Resistor_0402	R24, R26, R28	3
R_300R_0603_1%_100mW_50V	Yageo		Res Thick Film 1.6 x 0.8 mm 300 Ohm 1% 0.1W(1/10W) 100ppm/ C Molded SMD Paper T/R	RESC1608X55X25ML10T15	R17	1
SD05T1	On Semiconductor		Transient Voltage Suppressor Diode, for ESD Protection, 2-Pin SOD-323, Tape and Reel	ONSC-SOD-323-2-477-02_G_V	D3	1
SLP3-150-250-F			Light Pipe, Rigid, Board Mnt, Right Angle, .150 in., 3mm Round Lens, Flat Face	SLP3-150-250-F	LP1	1
SK01T8-0500300Z	SIMSUKIAN		SK01T8 Series 15 W 5 V Output Interchangeable Multi-Blade Level VI AC/DC Adapter		A1	1
TLV71733PDQNR			LDO Regulator Pos 3.3V 0.15A 4-Pin X2SON T/R	TI-DQN4-480X480TP_V	U4	1
MPZ1608S101ATDH5	TDK	MPZ1608S101ATDH5	FERRITE BEAD 100 OHM 0603 1LN	FB_0603	FB5	1