

	Quantity	Designator	Value	Footprint	Description
	1	A1	SIM900	SIM900	IC Module GSM FW Ver. 8 24x24x3mm Simcom SIM900
47	C1, C2, C3, C4, C5, C6	100nF	C0603_V		Capacitor 100nF 50V 0603 X7R Yageo CC0603KRX7R9BB104
	C7, C16, C19, C51	470uF 6.3V	CAE_8X10.5		Capacitor Elec SMD 470uF 6.3V 8x10.5mm Nichicon UUR0471MNL1G5
38	C53, C55	220uF±16V	CAE_6.3x8.0		Capacitor Elec SMD 220uF 16V 6.3x8mm Nichicon UWT1C221MCL1G5
49	C9, C36, C66, C67	100uF 50V	CAE_8X10.5		Capacitor Elec SMD 100uF 50V 8x10mm Nichicon UWT1H101MNL1G5
6	C11, C15, C17, C18, C21	1nF	C0603_V		Capacitor 1nF 50V 0603 X7R Yageo CC0603KRX7R9BB102
11	C13, C14, C27, C28, C29	1uF	C0603_V		Capacitor 1uF 25V 0603 X5R Yageo CC0603KRX5R6BB105
6	C31, C43, C45, C78, C79	33pF	C0603_V		Capacitor 33pF 50V 0603 NP0 Yageo CC0603JRNPO9BN130
1	C34	10uF	C2012_TM2		Capacitor 10uF 10V 0805 X5R Yageo CC0805KRX5R6BB106
6	C37, C38, C41, C42, C43	27pF	C0603_V		Capacitor 27pF 50V 0603 NP0 Yageo CC0603JRNPO9BN270
6	C56, C57, C59, C60, C61	22pF	C0603_V		Capacitor 12pF 50V 0603 NP0 Yageo CC0603JRNPO9BN120
2	C82, C122	33nF	C0603_V		Capacitor 33nF 50V 0603 X7R AVX 06035C3331AT2A
6	C86, C91, C98, C104, C105	15nF	C0603_V		Capacitor 15nF 50V 0603 X7R Yageo CC0603KRX7R9BB153
4	C87, C88, C100, C107	100pF	C0603_V		Capacitor 100pF 50V 0603 NP0 Yageo CC0603JRNPO9BN101
1	C99	1.8pF	C0603_V		Capacitor 1.8pF 50V 0603 NP0 Yageo CC0603CRNPO9BN1R8
2	C102, C111	220pF	C0603_V		Capacitor 220pF 50V 0603 NP0 Yageo CC0603JRNPO9BN221
2	C108, C109	CC1206KKX7RDBB102	C1206		Capacitor 1nF 1500V 1206 X7R Yageo CC1206KKX7RDBB102
1	C110	220nF	C0603_V		Capacitor 220nF 25V 0603 X7R AVX 06033C22K4AT2A
2	C112, C113	680pF	C0603_V		Capacitor 680pF 50V 0603 NP0 Yageo CC0603JRNPO9BN681
1	C116	2.2pF	C0603_V		Capacitor 2.2pF 50V 0603 NP0 Yageo CC0603CRNPO9BN2R2
11	D1, D2, D3, D4, D5, D6	MM5Z52318T1G	SOD123		Diode Zener SMD 5.1V 0.5W 20mA SOD-123 On Semi MMSZ52318T1G (MMSZ52318-7-F)
6	D7, D8, D9, D18, D25, D26	1P576S840	SOD323		Diode Schottky SMD SOD-323 1P576S840 R8751V40.115
6	D10, D11, D16, D24, D25	SS14	SOD106		Diode Schottky SMD 40V 1A DO-214AC (SMA) Fairchild SS14
10	D12, D13, D14, D15, D16	SS36	DO_214AB		Diode Schottky SMD 60V 3A DO-214AB (SMA) Fairchild SS36 (B360-13-F SK36)
3	D33, D37, D38	ES1D-E3/61T	SOD106		Diode SMD 200V 1A DO-214AC (SMA) Fairchild ES1D (ES1D-E3/61T)
2	J1, J2	1158-AA40-R	C707_10M006_049-2_REV2		Connector Sim Card Holder Hinged 6pin Gold Plated 29.7x17.2x2.3mm Attend 1158-AA40-R
2	J7, J8	ST-048-B	SMA_840D_PCB		Connector RF Coaxial DIP SMA Straight 6GHz ST-048-B (TE S-1814832-1)
1	J10	Header 1x2pin 2.54mm	SL192		Connector Pin Header Straight DIP 1x2pin 2.54mm Superior-tech PHES-D5002G1ABOPA-A012 (ZL201-02G)
1	J15	BO5598SF-A	NOLEX_MINI_USB-B		Connector Mini USB SMD Spin 8 type Superior-tech MUSB-BO5598SF-A (TME DS1104-BN05R)
1	J25	HEADER 1x4	SL144		Connector Pin Header Straight DIP 1x4pin 2.54mm Superior-tech PHES-D5004G1ABOPA-A012
2	L4, L5	15uH	DO3316		Inductor SMD 15uH 13x9.5x5.5mm Infinite Horizon LTD ANB1305-150M (P0751153NLT SMLS1305-150 SSL0804T-150M-N)
4	L6, L9, L11, L12	BLM21PG6005N1D	BLM21_0805		Ferrite Bead Filter SMD 60ohm 3A 0805 Murata BLM21PG6005N1D
2	L13, L14	47nH	L1608_V		Inductor SMD 47nH 5% 380mA 2.6GHz 0603 Murata LQW18AN47N00D
1	L16	5.6nH	L1608_V		Inductor SMD 5.6nH 6GHz 750mA 0603 Murata LQW18AN5N600D
2	L17, L18	BLM18AG1025N1D	L1608_V		Ferrite Bead Filter SMD 1kohm 400mA 0603 Murata BLM18AG1025N1D
2	P1, P4	minisMDC110F	F4532		Fuse Polyswitch SMD 24V 1.1A 1812 TE MINISMDC110F/24-2
2	P3, P5	minisMDC050F	F4532		Fuse Polyswitch SMD 24V 500mA 1812 TE MINISMDC050F-2
1	P6	RUEF250	RUEF135_9X5_RMS		Fuse Polyswitch DIP 30V 2.5A 18.3x11.4mm TE RUEF250
5	Q1, Q14, V75, VT8, VT9	BC817-40	SOT23		Transistor SMD 45V 500mA 250mW 200MHz SOT-23 NXP BC817-40
3	Q3, Q4, Q5	BSS123	SOT23		Transistor SMD 100V 150mA 250mW SOT-23 NXP BSS123
1	Q9	IRF7307TRPBF	S08		Transistor SMD 20V 4.3A 2W SO-8 IR IRF7307TRPBF
1	Q10	BCP54-16	SOT223		Transistor SMD 45V 1A 640mW 130MHz SOT-223 NXP BCP54-16
2	Q11, Q12	VNS1NV04D	S08		IC MOSFET SMD SO-8 STmicro VNS1NV04D13TR (VNS1NV04DTR-E VNS1NV04DPTB-E)
2	Q13, Q18	FD658AP	SOT23_6_REV2		IC MOSFET SMD 30V 4A 800mW SOT23-6 Fairchild FD658AP
6	R1, R3, R9, R11, R19, R90	9K1	R0603_V		Resistor 9K1 5% 0603 Yageo RC0603JR-079K1L
8	R2, R4, R10, R12, R21, R22	1K8	R1206		Resistor 1K8 5% 1206 Yageo RC1206JR-071K8L
5	R6, R7, R40, R86, R92, R93	2K2	R0603_V		Resistor 2K2 5% 0603 Yageo RC0603JR-072K2L
33	R8, R17, R23, R24, R25, R26	10K	R0603_V		Resistor 10K 5% 0603 Yageo RC0603JR-0710KL
4	R13, R14, R15, R16, R17	330R	R0603_V		Resistor 330R 5% 0603 Yageo RC0603JR-07330RL
23	R30, R31, R57, R58, R59, R60	1K	R0603_V		Resistor 1K 5% 0603 Yageo RC0603JR-071KL
4	R34, R52, R72, R77, R78	10K 1%	R0603_V		Resistor 10K 1% 0603 Yageo RC0603JR-0710KL
24	R36, R37, R38, R44, R45, R46	330R	R1206		Resistor 330R 5% 1206 Yageo RC1206JR-07330RL
7	R39, R43, R117, R137, R138	47K	R0603_V		Resistor 47K 5% 0603 Yageo RC0603JR-0747KL
2	R53, R63	47K 1%	R0603_V		Resistor 47K 1% 0603 Yageo RC0603JR-0747KL
7	R55, R65, R85, R90, R91, R92	100K	R0603_V		Resistor 100K 5% 0603 Yageo RC0603JR-0710KL
3	R56, R83, R124	21K	R0603_V		Resistor 21K 5% 0603 Yageo RC0603JR-0721KL
5	R64, R74, R79, R104, R105	220K	R0603_V		Resistor 220K 5% 0603 Yageo RC0603JR-07220KL
1	R82	1K5	R0603_V		Resistor 1K5 5% 0603 Yageo RC0603JR-071K5L
5	R87, R88, R198, R199, R200	27R	R0603_V		Resistor 27R 5% 0603 Yageo RC0603JR-0727RL
1	R121	680R	R0603_V		Resistor 680R 5% 0603 Yageo RC0603JR-07680RL
2	R123, R216	1R	R0805t		Resistor 1R 5% 0805 Yageo RC0805JR-071RL
1	R125	6K2	R0603_V		Resistor 6K2 5% 0603 Yageo RC0603JR-076K2L
1	R131	56K 1%	R0603_V		Resistor 56K 1% 0603 Yageo RC0603JR-0756KL
1	R136	68K	R0603_V		Resistor 68K 5% 0603 Yageo RC0603JR-0768KL
1	R144	47R	R1206		Resistor 47R 5% 1206 Yageo RC1206JR-0747RL
1	R147	5K1	R0603_V		Resistor 5K1 5% 0603 Yageo RC0603JR-075K1L
1	R148	390K	R0603_V		Resistor 390K 5% 0603 Yageo RC0603JR-07390KL
1	R159	8K2	R0603_V		Resistor 8K2 5% 0603 Yageo RC0603JR-078K2L
1	R161	750R	R0603_V		Resistor 750R 5% 0603 Yageo RC0603JR-07750RL
2	R208, R217	100R	R0603_V		Resistor 100R 5% 0603 Yageo RC0603JR-07100RL
1	R209	0R	R0805t		Resistor 0R 5% 0805 Yageo RC0805JR-070RL
1	R211	1R	R0603_V		Resistor 1R 5% 0603 Yageo RC0603JR-071RL
1	R226	150K	R0603_V		Resistor 150K 5% 0603 Yageo RC0603JR-07150KL
2	S11, S12	ZH266	FUS_20		Connector Fuse clip 5x20mm Straight DIP 2pin Zhenhui Electronics ZH266 (ZH08)
1	U3	M25PE40-VMN6TG	S08_1.27_5.4X5.4_U		IC Memory Flash SMD SO-8 Numonyx M25PE40-VMW6TG (M25PE40-VMN6TP)
2	U15, U19	74HC4051D	SO16		IC CMOS Mux/Demux SMD 2V-6V 20mA SO-16 NXP 74HC4051D
1	U17	LPK1768F0100.551	LQFP100_0.5_14X14		IC Microcontroller SMD LQFP100 NXP LPK1768F0100.551
1	U20	SN65176BD	S08		IC BUS Transceiver SMD 4.75V-5.25V SO-8 TI SN65176BD
1	U21	CC1101RTRK	QLP20_0.5_40x21		IC RF Transceiver SMD 1.8V-3.6V 16mA 3 f req ranges OFN-20 TI CC1101RTRK
1	U22	FS3357	US8_0.5/2.4X2.1		IC Analog Switch SMD 1.65V-5.5V 250mHz 15ohm VFSOP-8 Fairchild FSA3357K8X
1	U23	XC6210B332MR	SOT23_3_SW		IC LDO SMD 3.3V 700mA SOT-25 Torex XC6210B332MR
2	U24, U25	MP4462DN	HSOP8_1.27_5X4_A		IC Step-Down Converter SMD 4.5V-36V 3.5A 4MHz SO-8 MPS MP4462DN-LF-Z
1	U30	0896BM15A0001	0896BM15A0001		Filter Balun SMD 896MHz 863 - 928MHz 50ohm 2x1.25x0.7mm Johanson Tech 0896BM15A0001E
1	U32	SN74CBTLV3257D	SO16		IC SMD SO-16 TI SN74CBTLV3257D
6	VD1, VD5, VD6, VD8, VD9	LED0805 GREEN	LED0805		LED SMD Green 23mcd 0805 Everlight 17-21SYG/SS30-E/T2R8
1	VD11	P65M839CA	SOD106		Diode TVS SMD 33V 600W 11.3A DO-214AA (SMB) Littelfuse SMBJ33CA (P65M839CA)
1	VD15	SMBJ20CA	SOD106		Diode TVS SMD 20V 600W 18.6A DO-214AA (SMB) Littelfuse SMBJ20CA
2	VD19, VD20	P65MB6.8A	SOD106		Diode TVS SMD 5.8V 600W 58A DO-214AA (SMB) Littelfuse P65MB6.8CA (SMBJ6.8CA)
1	X9	WRLD-D500272NNA4	WRLD_DS_05_2_08_ESIM264		Connector Wafer Header for Battery Straight DIP 2pin 5.08mm Superior-tech WRLD-D500272NNA4
1	X14	2x508cresw	ARK5002		Connector Terminal Block DIP Vertical 300V 16A 5.08mm 2pin PTR AK2350/2-5.08-V-GREEN (M8310-508M02)
1	Y1	12.000 MHZ	ABLS_HC49/UH/4.65/11.5		Crystal SMD 12.000MHz 18pF +-30-50ppm -40-85C HC49/US 11.4x4.7x3.3mm Abracon ABLS2-12.000MHZ-04Y-T (Q-12.0-SMU4-18-30/50-TI-L)
1	Y6	26.000 MHZ	ABLS_HC49/UH/4.65/11.5		Crystal SMD 26.000MHz 16-18pF +-20/20ppm -20-70C HC49/US 11.4x4.7x4.2mm Abracon ABLS2-26.000MHZ-16-82X-T (Q-26.0-SMU3-16-20/20-FU-LF; 9C-26.000MEI-T)
1	ZM1	Wire with Connector 2pin 5.08mm Red AWG18 Blue AWG16 L=300mm Superior-Tech WIRE-0286-A-TP			Wire with Connector 2pin 5.08mm Red AWG18 Blue AWG16 L=300mm Superior-Tech WIRE-0286-A-TP
2	ZM2, ZM37	Antenna GSM 3m cable SMA connector Active resistance 10kohm Identification label Jinchang JCG016			Antenna GSM 3m cable SMA connector Active resistance 10kohm Identification label Jinchang JCG016
4	ZM3, ZM4, ZM5, ZM6	LCBS-6-01			Spacer PCB Plastic Polyamide 9.5mm Richco LCBS-6-01
1	ZM7	Microphone Wired+Connector 2V 42dB 70-20KHz C1=10pF C2=33pF 7x3.35mm L=1000mm AATC AMF-060F42-NWH			Microphone Wired+Connector 2V 42dB 70-20KHz C1=10pF C2=33pF 7x3.35mm L=1000mm AATC AMF-060F42-NWH
12	ZM8, ZM9, ZM10, ZM11	Resistor DIP SK6 1/4W 5% 1.7x3.2mm Panasonic ERD-S2TJ562V			Resistor DIP SK6 1/4W 5% 1.7x3.2mm Panasonic ERD-S2TJ562V
8	ZM14, ZM15, ZM16, ZM17	Resistor DIP 3K3 1/4W 5% 1.7x3.2mm Panasonic ERD-S2TJ332V			Resistor DIP 3K3 1/4W 5% 1.7x3.2mm Panasonic ERD-S2TJ332V
1	ZM20	Buzzer 5VDC 83dB 30mA 12x10mm BeStar BMT1205XH7.5			Buzzer 5VDC 83dB 30mA 12x10mm BeStar BMT1205XH7.5
1	ZM21	Surinkimas ESIM364			Surinkimas ESIM364
1	ZM22	PCB ESIM364			PCB ESIM364
1	ZM23	Dezute kartonine 150x115x45mm			Dezute kartonine 150x115x45mm
1	ZM24	Vartotojo vadovas ESIM364			Vartotojo vadovas ESIM364
9	ZM25, ZM27, ZM28, ZM29	3x5.08cresw	ARK2350/3_5_08		Connector Terminal Block DIP Vertical 300V 16A 5.08mm 3pin PTR AK2350/3-5.08-V-GREEN (M8310-508M03)
1	ZM26	Fuse Cylindrical Glass 250V 1.5A 5x20mm Evita Y-520-1.5			Fuse Cylindrical Glass 250V 1.5A 5x20mm Evita Y-520-1.5
1	ZM36	Connector Jumper 250V 3A Gold over Nickel Evita JUMP-SW			Connector Jumper 250V 3A Gold over Nickel Evita JUMP-SW
1	ZM43	Etikete polipropilenas balta 35x35mm Linikodas EL03503SPBS1M			Etikete polipropilenas balta 35x35mm Linikodas EL03503SPBS1M
1	ZM44	Etikete popierius matine balta 40x24mm Linikodas EL040024MBS2M			Etikete popierius matine balta 40x24mm Linikodas EL040024MBS2M
1	ZM47	Trafaretas ESIM364			Trafaretas ESIM364
1	ZM48	Maiselis burbulinis antistatinis 160x160mm DotPack EMBPM2AA6016			Maiselis burbulinis antistatinis 160x160mm DotPack EMBPM2AA6016