

Designator	Value	Quantity	Manufacturer_Part_Number	Description	Stock
A1		1	P822601	CDMA, DCS, EDGE, GPRS, GSM, HSDPA, LTE, PCS, UMTS, WCDMA Flat Bar RF Antenna	4
C301, C401, C402, C403, C404, C405, C601, C604, C606, C806, C810, C901, C904, C905, C907, C1001, C1202, C1205, C1209, C1215	100nF	20	CL10B104KB8NNNL	Capacitor	180
C501	12pF	1	0603N120J500CT	Capacitor	19
C502	10nF	1	CL10B103KB8NNNC	Capacitor	19
C602, C603, C902, C1216, C1217	1uF	5	CL10A105K08NNNC	Capacitor	45
C605	10uF	1	CL10X106MP8NRNC	Capacitor	19
C607	22uF	1	CL10A226KQ8NRNE	Capacitor	19
C608	1.8pF	1	CL10C1R8B8NNNC	Capacitor	19
C609		1	PCH1E101MCL4GS	Aluminium Organic Polymer Capacitors 100UF 25V ESR=27	3
C807	1uF/50V	1	CL10A105KB8NNNC	Capacitor	19
C903, C906	100pF	2	CL10C101JB8NNNC	Capacitor	18
C1201, C1208	15pF	2	CL10C150JB81PNC	Capacitor	18
C1203, C1210	47uF	2	GRM188D70E476ME01D	Capacitor	18
C1206, C1207	4.7uF	2	CL10A475KQ8NNNC	Capacitor	18
C1211	3.5pF	1	CL10C3R3CB81PNC	Capacitor	18(3.3)
C1212, C1213, C1214	N.C.	3		Capacitor	
D601		1	1SS3905SMFHT2R	RF Diode PIN - Single 35V 100 mA EMD2	8
D1201		1	CM1402-03CP	FILTER RC(PI) ESD SMD	9
FB501	500 mA, 600 Ohms	1	BLM18EG601S21D	Ferrite bead	3
FB801, FB802	60 OHM	2	742792602	Ferrite bead, [NoValue]	18
FB1201	120ohm 0.7A	1	BLM18AG1215H1D	Ferrite bead - 120ohm 0.7A	8
IC201		1	WLR089U0-I/RM	LONG RANGE LORA MODULE (863-928	3
IC202, IC701, IC902		3	SN74AVC4774PWR	Logic Level Converter (LLC)	9
IC203, IC702, IC903		3	NX2301P,215	P-Channel 20V 2A (Ta) 400mW (Ta), 2.8W (Tc) Surface Mount TO-236AB	9
IC301		1	MAX3486ESA+	1/1 Transceiver Half RS422, RS485 8-SOIC	1
IC302		1	MAX3471EUA+	1/1 Transceiver Half RS422, RS485 8-uMAX-EP 8-uSOP-EP	1
IC401		1	MAX3221CUE+	1/1 Transceiver Full RS232 16-TSSOP	3
IC601		1	TPS2113PWR	OR Controller Source Selector Switch N-Channel 2:1 8-TSSOP	7
IC901		1	NEO-M8N-0-10	NEO-M9N-00B should be used if available	5
IC904		1	SKY65943-11	GPS LNA MODULE	4
IC1001		1	CY15B108QN-20LPXC	IC FRAM 8MBIT SPI 20MHZ 8GQFN	3
IC1201		1	NRF9160-SICA-R7	IC RF TxRx + MCU Cellular GPS 700MHz ~ 2.2GHz 161-TFLGA Module	4
IC1202		1	PCAL6408APWJ	I/O Expander 8 I2C, SMBus 400 kHz 16-TSSOP	4
J301, J302		2	61300211121	CONN HEADER VERT 2POS 2.54MM	18
J501		1	70543-0001	BAT CONN HEADER VERT 2POS 2.54MM	9
J502		1	PH1-04-UA	CONN HEADER VERT 4POS 2.54MM	9
J503		1	61300611121	CONN HEADER VERT 6POS 2.54MM	9
J504		1	10119313-302TLF	USB - mini B USB 2.0 Receptacle Connector 5 Position Through Hole	3
J505, J515		2	61300311121	CONN HEADER VERT 3POS 2.54MM	18
J506		1	104031-0811	CONN MICRO SD CARD PUSH-PULL R/A	8
J507, J514		2	CONUFL001-SMD-T	CONN UMC JACK STR SMD	8
J508, J512		2	SHF-105-01-L-D-SM-LC-K-TR	CONN HEADER SMD 10POS 1.27MM	8
J509, J510		2	BM05B-ZESS-TBT (LF)(SN)	RS232/RS485 CONN HEADER SMD 5POS 1.5MM	24
J513		1	SF72S006VBAR2500	NANO SIM CARD PUSH-PUSH	4
J516		1	TSW-103-08-S-D	Auxillary 2x3 conn	9
J802		1	52746-1071	LCD connector CONN FFC BOTTOM 10POS 0.50MM R/A	12
L601		1	LPS3015-222MRB	Inductor	8
L901	27nH	1	LQG18HH27NJ00D	Inductor	19
L902	9n1	1	LQW18AN9N1D00D	Inductor	19
L1201	22nH	1	LQW18AN22NJ00D	Inductor	19
L1202	1.5nH	1	LQG18HN1N5S00D	Inductor	19
LED501		1	APT2012LSECK/J3-PRV	LED RED CLEAR 25MD	7
LED502		1	APT2012LSYCK/J3-PRV	LED YELLOW CLEAR 25MD	7
LED503		1	APT2012LZGCK	LED GREEN CLEAR 25MD	7
LED504, LED505		2	APT2012LVBC/D	LED BLUE CLEAR 25MD	11
PB1201, PB1202, S601		3	TLS A 070J LFS	SWITCH TACTILE SPST-NO 0.05A 12V - used 1-3 (2-4 not in use)	12
Q901		1	SI1040X-T1-GE3	IC PWR SWITCH P-CHAN 1:1 SC89-6	16
R201, R202, R203, R603, R701, R702, R703, R801, R804, R901, R902, R903, R906, R1102, R1103, R1209, R1210, R1211, R1212, R1213	100k	20	RC0603FR-07100KL	Resistor	180
R301	120R	1	RT0603DRD07120RL	Resistor	27
R302, R303	680R	2	RC0603JR-07680RL	Resistor	118
R501, R502	15R	2	RC0603JR-0715RL	Resistor	18
R503, R508, R509, R511, R904, R907, R908, R1204, R1205, R1206, R1216, R1217	OR	12	YJP1608-R001	Resistor	188
R504, R505	820R	2	RC0603FR-07820RL	Resistor	18
R506, R507, R510	330R	3	RC0603FR-07330RL	Resistor	47
R601, R609	240k	2	RC0603FR-07240KL	Resistor	18
R602, R606, R909	1M	3	RC0603FR-131ML	Resistor	27
R604	390R	1	RC0603JR-07390RL	Resistor	19
R605, R1214, R1215	1k	3	RC0603FR-071KL	Resistor	27
R607	100R	1	RC0603FR-07100RL	Resistor	19
R608	1M2	1	RC0603FR-071M2L	Resistor	27
R610	3k	1	RC0603FR-073KL	Resistor	19
R905	10R	1	RC0603FR-1310RL	Resistor	39
R1001, R1002	33R	2	RC0603FR-0733RL	Resistor	18
R1003	50R	1	RC0603FR-0749R9L	Resistor	69
R1101, R1201	10k	2	RC0603FR-0710KL	Resistor	118
R1202, R1203	4.7k	2	RC0603FR-074K7L	Resistor	118
S201		1	97C08ST	8-Pin address switch	7
U501		1	USBLC6-25C6	17V Clamp 5A (8/20μs) Ipp Tvs Diode Surface Mount SOT-23-6	3
U601		1	TPS63000DRCR	Buck-Boost Switching Regulator IC Positive Adjustable 1.2V 1 Output 1.6A (Switch) 10-VFDFN Exposed Pad	4
Y1101		1	RV-3032-C7-TA-QC	Real Time Clock Serial I2C 16Bytes 8-Pin SON T/R	3