

Model:	VOLG08	PCB Rev:	V2	BOM Rev:	V01
Item Numb	NTD P/N	Quantity Description	Part Reference	Manufacturer Part Number	Manufacturer
1	1706000011	1 20279-001E-01,Ultra small surface mount coaxial connector, receptacle, up to 6GHz transmission	J23	20279-001E-01	I-PEX
2	1505000011	1 AR6005G-CF1B-R, IEEE 802.11 b/g/n MAC/BB/Radio for Embedded applications, 67-ball CSP Package, 3.565mm x 3.525mm x 0.589mm size, 0.4mm lead pitch	U50	AR6005G-CF1B-R	Atheros
3	1606000011	7 ASES12U020R2, chip Suppressors, Surface Mount ESD Suppressors, Rated Voltage (typical) 12VDC, Capacitance (typical) 0.2pf, 0402 SMD package	D70 D71 D72 D73 D74 D75 D87	ASES12U020R2	Amotech
4	1725000041	1 ATOM010010070029, Micro-USB AB-type Reverse Receptacle, SMT, lead free, 9.65mm x 7.2mm x 3.0mm size	J10	ATOM010010070029	ATOM
5	1606000031	2 AVRC18S05Q015100R, Multilayer chip EMI and ESD filter, Maximum continuous working voltage (Vdc) 18V, capacitance 15pf, Typical Resistance 100 ± 30 Ω, 2.05mm x 1.25mm x 0.55mm size	U200 U26	AVRC18S05Q015100R	Amotech
6	1511000021	1 AW8188TQR, Dual channel stereo, non clip, ultra low EMI, unnecessary filtering class-D audio amplifier, 16-pin TQFN package, 2.5mm x 2.5mm x 0.75mm body, 0.4mm pitch	U2	AW8188TQR	Awinic
7	1708000041	1 AXK750147G, 50-pin 0.4mm pitch, thin and slim connector, board to FPC socket without plating change to soldering terminals, stacking height 1.5mm, 12.3mm x 5.1mm x 1.5mm size	J56	AXK750147G	NAIS
8	1708000091	1 AXK7L24223G, 24-pin 0.4mm pitch, board to FPC Receptacle	J3	AXK7L24223G	NAIS
9	1509000051	1 B30810-D2034-Y419, RF LTCC frontend module for bluetooth and 802.11b/g/n wireless LAN, 3.0mm x 2.5mm x 1.0mm body, 19-Pin	U181	B30810-D2034-Y419	EPCOS
10	1707000051	1 BL509-40G31-TAH1, 0.5mm pitch Connector For FPC, BL509Series, 40 contacts, 22x6.2x 2.0mm size	J55	BL509-40G31-TAH1	SCG
11	1508000011	1 BMA250, 3-AXIS DIGITAL ACCELEROMETER ±2g to ±16g with intelligent on-chip motion triggered interrupt controller, 2 mm x 2 mm x 0.95mm LGA package, 0.5mm lead pitch	U1	BMA250	Bosch
12	1702000021	1 CAF11-08193-SF09, T-Flash card connector (push to push type), SMD Package, 1.1mm Pitch	J26	CAF11-08193-SF09	Linkconn
13	1606000061	1 CM1213-08MR, 8-Channel Low Capacitance ESD Protection Array, 10-pin MSOP Package, 3.0mm x 4.9mm x 0.85mm size, 0.5mm lead pitch	U195	CM1213-08MR	ON
14	1720000011	2 Volgo7, 9.7, 7.2, Charger IC Cover, 19.81mm x 10.72mm x 2.5mm	SH8 SH10	Cover_CMU_volgo7-97-72	
15	1720000251	1 Volgo8 LCD Backlight Driver Cover, 25.93mm x 15.69mm x 2.3mm	SH3	Cover_DCDC_volgo_8	
16	1720000041	2 GPS Cover, 8.28mm x 4.87mm x 1.5mm	SH2 SH9	COVER_GPS_standard	
17	1720000051	1 HDMI Cover, 19.83mm x 13.38mm x 1.8mm	SH1	Cover_HDMI_standard	
18	1720000031	1 Volgo7, 9.7, 7.2 WIFI Cover, 16.46mm x 16.46mm x 1.5mm	SH4	COVER_WIFI_Volgo7-97-72	
19	1510000011	1 CP2124ST-A2, High Efficiency, Multi Display LED Driver, single-wire interface adjusts FB voltage, 2.92mm x 1.6mm x 1.25mm SOT23-6L Package	U28	CP2124ST-A2	ChipHomer
20	1606000121	2 CS1832, 4-Channel Common Mode Filter with ESD Protection, WDFN10 Package, 2.5mm x 2.0mm x 0.8mm size, 0.5mm lead pitch	U4 U172	CS1832	CitrusCom
21	1606000111	2 CS1833, 6-Channel Common Mode Filter with ESD Protection, WDFN16 Package, 4mm x 2.0mm x 0.8mm size, 0.5mm lead pitch	U5 U174	CS1833	CitrusCom
22	1402000011	4 DAN217UT106, Ultra high switching double diode, SMD3 Package, 2.0mm x 2.1mm x 0.9mm Size	D90 D91 D94 D95	DAN217UT106	ROHM
23	1708000011	1 DF30FC-24DS-0.4V, DF30 Series, Double row receptacle, 0.4 mm Pitch, 0.9 mm Height, Board-to-Board / Board-to-FPC Connectors, SMT, Number of positions: 24, Size: 7.02mm x 4.56mm x 0.9mm, SMT type	J4	DF30FC-24DS-0.4V	Hirose
24	1605000011	1 EHP-C04/NT01H-P01/TR, High Power LED -1W LED Flash, Typical luminous flux: 60 lm @ 500 mA, Pulsed Forward Current (400ms : ON, 3600ms : OFF) IF=1000mA, 2.04mm x 1.64mm x 0.7mm size	D85	EHP-C04/NT01H-P01/TR	EVERLIGHT

25	1302000012	1 Multilayer Ceramic Capacitor, Rated voltage 16V, nominal capacitance 0.1uF, tolerance ±10%, 0402 SMD, Temperature characteristic X5R	C1639	GRM155R71C104KA88D	Murata
26	1304000013	2 Multilayer Ceramic Capacitor, Rated voltage 16V, nominal capacitance 10uF, tolerance ±20%, 0805 SMD Package, Temperature characteristic X5R ESDA6V8UF, 4-Channel very low capacitance	C1512 C1523	GRM21BR61C106KE15L	Murata
27	1606000101	1 ESD transient voltage suppressor, SOT23-6L Package, 2.9mm×2.8mm×1.45mm size, 0.95mm lead pitch	U29	ESDA6V8UF	Willsemi
28	1606000071	1 ESDR0524PMUTAG, Transient Voltage Suppressors, Low Capacitance ESD Protection for High Speed Data, UDFN10 10 pin package, 2.5mm×1.0mm×0.55mm size, 0.5mm lead pitch	U196	ESDR0524PMUTAG	On
29	1306000011	1 F920J107MBA, chip tantalum series Capacitor, Rated voltage 6.3V, nominal capacitance 100uF, tolerance ±15%, 3528 SMD, CHIP TANT, LOW PROFILE MAX ESR=1.3 ROHS	C1455	F920J107MBA	Nichicon
30	1306000031	1 F930J476MAA, chip tantalum series Capacitor, Rated voltage 10V, nominal capacitance 47uF, tolerance ±15%, 3.2mm×1.6mm×1.2mm size, SMD, CHIP TANT, LOW PROFILE MAX ESR=0.8 R	C315	F930J476MAA	Nichicon
31	1707000031	1 FH34SRJ-8S-0.5SH(50), 0.5mm pitch, 1.0mm above the board, back-flip actuator	J9	FH34SRJ-8S-0.5SH(50)	Hirose
32	1511000011	1 flexible printed circuit & flexible flat cable ZIF connectors, SMT, top and bottom contact, 8 Circuits			
33	1720000071	1 FP6791CTSGTR, PWM boost DC-DC Controller, 8-Pin TSSOP package, 3.0mm×6.4mm×1.2mm body, 0.65mm lead pitch	U191	FP6791CTSGTR	Fitipower
34	1720000061	1 Volgo7, 9.7, 7.2 BB processor Frame, 28.6mm×27.89mm×1.37mm	SH7	Frame_BB_Volgo7-97-72	
35	1720000081	1 Volgo7, 9.7, 7.2 PMIC Frame, 22.65mm×18.84mm×1.57mm	SH6	FRAME_PMU_Volgo7-97-72	
		1 Volgo7, 9.7, 7.2 RF Frame, 29.46mm×24.03mm×1.3mm	SH5	FRAME_RF_Volgo7-97-72	
36	1205000012	29 Multilayer Chip Bead, 0402 Type, Max rated Current 1.0A, DCR<0.03Ω	L2 L3 L7 L55 L56 L73 L74 L75 L78 L79 L80 L85 L89 L129 L308 L309 L310 L311 L312 L318 L320 L321 L322 L323 L327 L329 L332 L333 L336	BLM15AG100SN1D	Murata
37	1304000061	3 GRM21BR71H474KA88L, Multilayer Ceramic Capacitor, Rated voltage 50V, nominal capacitance 0.47uF, tolerance ±10%, 0805 SMD, size 2.0mm×1.25mm×1.25mm	C1503 C1509 C1517	GRM21BR71H474KA88L	Murata
38	1504000012	1 H9DP32A4JJACGR-KEM, 4GB e-NAND Flash + 4Gb Mobile DDR Multi Chip Package Memory, 153-ball FBGA Package, 11.5x14.0x1.0mm body, 0.5mm pitch	U11	KMSJS000KM-B308	Samsung
39	1509000011	1 Antenna Switch Module SP9T WITH 3TRX/2TX/4RX ROHS, HS2525 Series	U70	HS2525-F0918AC	ACX
40	1709000021	1 HX-0382, HDMI D type receptacle, 8.7×7.5×3.15mm size, 0.4mm Pitch	J59	HX-0382	XingYou
41	1508000021	1 ISL29023IROZ-T7, Integrated Digital Ambient Light Sensor with Interrupt Function, 6 Lead ODFN Package, 2.0mm×2.1mm×0.7mm body, 0.65mm lead pitch	U176	ISL29023IROZ-T7	Intersil
42	1514000011	1 IT66121FN, Super Low Power HDMI 1.4a Transmitter with 3D Support, 64-pin QFN package, 9.0mm×9.0mm×1.0mm body, 0.5mm lead pitch	U192	IT66121FN	ITE

				C1 C3 C5 C13 C18 C20 C40 C45 C48 C62 C64 C67 C70 C72 C82 C83 C154 C205 C208 C211 C232 C257 C261 C263 C268 C277 C292 C294 C295 C296 C297 C313 C327 C335 C336 C337 C340 C351 C355 C361 C362 C365 C366 C368 C372 C479 C482 C488 C493 C528 C1366 C1367 C1382 C1416 C1439 C1468 C1514 C1516 C1522 C1537 C1543 C1566 C1570 C1571 C1572 C1573 C1574 C1577 C1578 C1579 C1580 C1581 C1584 C1586 C1594 C1597 C1612			
43	1301000014	92	JMK063BJ104MP, Multilayer Ceramic Capacitor, Rated voltage 6.3V, nominal capacitance 0.1UF , tolerance ±20% ,0201 SMD, Temperature characteristic X5R	JMK063BJ104KP-F	TAIYO		
44	1301000033	1	JMK063BJ823MP, Multilayer Ceramic Capacitor, Rated voltage 6.3V, nominal capacitance 0.082UF , tolerance ±20% ,0201 SMD, Temperature characteristic X5R	C1513 GRM033R60J823KE19D	Murata		
45	1302000021	5	Multilayer Ceramic Capacitor, Rated voltage 6.3V, nominal capacitance 1.0UF, tolerance ±10%, 0402 SMD Package, Temperature characteristic X5R	C47 C54 C55 C56 C1105 JMK105BJ105KV	TAIYO		
46	1302000031	62	Multilayer Ceramic Capacitor, Rated voltage 6.3V, nominal capacitance 2.2UF, tolerance ±20%, 0402 SMD Package, Temperature characteristic X5R	C4 C15 C61 C63 C68 C71 C73 C84 C108 C159 C206 C271 C272 C274 C285 C287 C288 C289 C290 C293 C298 C299 C300 C301 C302 C303 C304 C305 C306 C307 C308 C309 C310 C311 C312 C314 C438 C483 C486 C490 C491 C494 C497 C509 C529 C1101 C1102 C1381 C1557 C1596 C1603 C1604 C1607 C1631 C1633 C1634 C1645 C1647 C1649 C1651 C1658 C1663 C86 C87 C89 C90 C165 C166 C167 C168 C169 C170 C172 C173 C174 C175 C176 C177 C178 C179 C180 C181 C182 C183 C184 C185 C186 C187 C188 C189 C190 C191 C192 C194 C195 C197 C198 C199 C200 C201 C202 C79 C85 C88 C158 C207 C210 C281 C1103 C1104 C1441 C1467 C1515 C1521 C1576 C1608 C1609 C1628 C1629	JMK105BJ225MV	TAIYO	
47	1302000041	39	JMK105BJ474KV, Multilayer Ceramic Capacitor, Rated voltage 6.3V, nominal capacitance 0.47uF, tolerance ±10%, 0402 SMD	JMK105BJ474KV	TAIYO		
48	1303000011	18	JMK107 BJ106MA, Multilayer Ceramic Capacitor, Rated voltage 6.3V, nominal capacitance 10UF, tolerance ±20%, 0603 SMD Package, Temperature characteristic X5R	JMK107BJ106MA	TAIYO		

				C14 C28 C38 C39 C150 C152 C273 C279 C284 C286 C291 C329 C352 C354 C357 C1591 C1592 C1593 C1595 C1626 C1630 C1640		
49	1303000024	22	Multilayer Ceramic Capacitor, Rated voltage 6.3V, nominal capacitance 4.7UF, tolerance $\pm 20\%$, 0603 SMD Package, Temperature characteristic X5R		JMK107BJ475KA-T	TAIYO
50	1304000033	8	Multilayer Ceramic Capacitor, Rated voltage 6.3V, nominal capacitance 47UF, tolerance $\pm 20\%$, 0805 SMD, Temperature characteristic X5R, size 2.0mm $\times$ 1.25mm $\times$ 1.25mm LFD181G57DPFC087, Chip Multilayer	C160 C193 C196 C256 C278 C280 C282 C283	CL21A476MQYNNNE	Samsung
51	1509000281	1	Diplexers, for GPS and BT&WIFI, 1P6XOP8XOP6mm	U55	LFD181G57DPGC092	Murata
52	1710000011	4	LS10N2, Lumiswitch, Horizontal Operating direction, Maximum rating for switches DC12V, 20mA, Minimum insulation resistance 100Mohm, Maximum contact resistance 100mohm	SW1 SW2 SW3 SW4	LS10N2	Citizen
53	1401000011	1	MBR130T1, Surface Mount Shottkey Power Rectifier 30V, 1A, SOD-123 Package	D93	MBR130T1	On
54	1401000021	4	MBR230LSFT1G, Surface Mount Schottky Power Rectifier Plastic SOD-123 Package, 2.0 AMPERES, 30 VOLTS	D1 D86 D89 D106	MBR230LSFT1G	On
55	1509000021	1	MGA-24106-TR1G, High-Gain, Low Current Low Noise Amplifier with Variable Current and Shutdown Function, Small package dimension, 1.5mm $\times$ 1.2mm $\times$ 0.5mm body, 0.4mm lead pitch	U14	MGA-24106-TR1G	AVAGO
56	1204000161	1	MHC104015-1R0M-R8, Inductance 1.0uH, Inductance tolerance $\pm 20\%$, Max DC resistance 0.146 Ω , Saturation Current 4.0A, Irms 2A, Mount area: 4.2mm $\times$ 4.6mm $\times$ 1.5mm, Low profile: 1.5mm max. height	L307	MHC104015-1R0M-R8	Chilisin
57	1706000021	2	MM8130-2600, Microwave Coaxial Connectors receptacle with Switch SWF Type, Nominal Frequency Range DC to 6GHz, Nominal Impedance 50 Ω , 2.5mm $\times$ 2.5mm $\times$ 1.4mm size	J18 J24	MM8130-2600	Murata
58	1203000031	1	MPL1608S2R2MHT, Inductance 2.2uH, Inductance tolerance $\pm 20\%$, Min. Self-resonant Frequency 40MHz, L TestFreq. 1MHz, Max DC resistance 0.3 Ω , Max. Rated Current 750mA, Min. 1.6mm $\times$ 0.8mm $\times$ 0.8mm size	L58	MPL1608S2R2MHT	Sunlord
59	1508000031	1	MPU-3050, MEMS motion sensor, three-axis digital output gyroscope, 24 pin QFN Package, 4.0mm $\times$ 4.0mm $\times$ 0.9mm, 0.5mm lead pitch	U171	MPU-3050	InvenSense
60	1201000011	4	MSDCL0603C10NJTDF, Inductance 10nH, Inductance tolerance $\pm 5\%$, Min. Quality Factor 5, L/Q TestFreq. 100MHz, Max DC resistance 0.7 Ω , Max. Rated Current 200mA, Min. Self resonant Frequency 3200MHz, 0.6mm $\times$ 0.3mm $\times$ 0.3mm size	L276 L294 L296 L298	MSDCL0603C10NJTDF	Sunlord
61	1201000021	1	MSDCL0603C12NJTDF, Inductance 12nH, Inductance tolerance $\pm 5\%$, Min. Quality Factor 5, L/Q TestFreq. 100MHz, Max DC resistance 0.85 Ω , Max. Rated Current 180mA, Min. Self resonant Frequency 2800MHz, 0.6mm $\times$ 0.3mm $\times$ 0.3mm size	L88	MSDCL0603C12NJTDF	Sunlord
62	1201000031	3	MSDCL0603C15NJTDF, Inductance 15nH, Inductance tolerance $\pm 5\%$, Min. Quality Factor 5, L/Q TestFreq. 100MHz, Max DC resistance 1.0 Ω , Max. Rated Current 180mA, Min. Self resonant Frequency 2300MHz, 0.6mm $\times$ 0.3mm $\times$ 0.3mm size	L268 L280 L295	MSDCL0603C15NJTDF	Sunlord
63	1201000041	2	MSDCL0603C18NJTDF, Inductance 18nH, Inductance tolerance $\pm 5\%$, Min. Quality Factor 6, L/Q TestFreq. 100MHz, Max DC resistance 1.3 Ω , Max. Rated Current 160mA, Min. Self resonant Frequency 2200MHz, 0.6mm $\times$ 0.3mm $\times$ 0.3mm size	L132 L281	MSDCL0603C18NJTDF	Sunlord
64	1201000051	3	MSDCL0603C1N0STDF, Inductance 1.0nH, Inductance tolerance ± 0.3 nH, Min. Quality Factor 3, L/Q TestFreq. 100MHz, Max DC resistance 0.1 Ω , Max. Rated Current 600mA, Min. Self resonant Frequency >6000MHz, 0.6mm $\times$ 0.3mm $\times$ 0.3mm size	L284 L300 L302	MSDCL0603C1N0STDF	Sunlord
65	1201000061	1	MSDCL0603C1N5STDF IND 1.5NH +/-0.3NH, 0201package	L126	MSDCL0603C1N5STDF	SUNLORD

		MSDCL0603C2N2STDF, Inductance 2.2nH, Inductance tolerance± 0.3nH, Min. Quality Factor 5, L/Q				
66	1201000081	1 TestFreq.100MHz, Max DC resistance 0.22 Ω, Max. Rated Current 440mA, Min. Self resonant Frequency 6000MHz, 0.6mm×0.3mm× 0.3mm size MSDCL0603C3N9STDF, Inductance 3.9nH, Inductance tolerance± 0.3nH, Min. Quality Factor 5, L/Q	L291	MSDCL0603C2N2STDF	Sunlord	
67	1201000141	2 TestFreq.100MHz, Max DC resistance 0.35 Ω, Max. Rated Current 300mA, Min. Self resonant Frequency 6000MHz, 0.6mm×0.3mm× 0.3mm size MSDCL0603C4N3STDF, Inductance 4.3nH, Inductance tolerance± 0.3nH, Min. Quality Factor 4.5, L/Q	L18 L301	MSDCL0603C3N9STDF	Sunlord	
68	1201000151	2 TestFreq.100MHz, Max DC resistance 0.4 Ω, Max. Rated Current 280mA, Min. Self resonant Frequency 5500MHz, 0.6mm×0.3mm× 0.3mm size MSDCL0603C4N7STDF, Inductance 4.7nH, Inductance tolerance± 0.3nH, Min. Quality Factor 4.5, L/Q	L47 L87	MSDCL0603C4N3STDF	Sunlord	
69	1201000161	2 TestFreq.100MHz, Max DC resistance 0.4 Ω, Max. Rated Current 280mA, Min. Self resonant Frequency 5300MHz, 0.6mm×0.3mm× 0.3mm size	L282 L283	MSDCL0603C4N7STDF	Sunlord	
70	1201000171	1 MSDCL0603C5N1STDF ind, 5.1n, +/-0.3n, 0201 MSDCL0603C5N6STDF, Inductance 5.6nH, Inductance tolerance± 0.3nH, Min. Quality Factor 5, L/Q	L279	MSDCL0603C5N1STDF	Sunlord	
71	1201000181	4 TestFreq.100MHz, Max DC resistance 0.45 Ω, Max. Rated Current 250mA, Min. Self resonant Frequency 4600MHz, 0.6mm×0.3mm× 0.3mm size	L286 L290 L303 L305	MSDCL0603C5N6STDF	Sunlord	
72	1201000191	1 MSDCL0603C68NJTDF ind, 68n, +/-5%, 0201 MSDCL0603C82NJTDF, Inductance 82nH, Inductance tolerance±5%, Min. Quality Factor 6, L/Q TestFreq.100MHz, Max DC	L10	MSDCL0603C68NJTDF	Sunlord	
73	1201000221	3 resistance 3.3Ω, Max. Rated Current 50mA, Min. Self resonant Frequency 1000MHz, 0.6mm×0.3mm×0.3mm size MSDCL0603C8N2JTDF, Inductance 8.2nH, Inductance tolerance± 5%, Min. Quality Factor 5, L/Q	L5 L11 L12	MSDCL0603C82NJTDF	Sunlord	
74	1201000231	3 TestFreq.100MHz, Max DC resistance 0.6 Ω, Max. Rated Current 230mA, Min. Self resonant Frequency 3400MHz, 0.6mm×0.3mm× 0.3mm size MSDCL0603C9N1JTDF, Inductance 9.1nH, Inductance tolerance± 5%, Min. Quality Factor 5, L/Q	L285 L297 L299	MSDCL0603C8N2JTDF	Sunlord	
75	1201000241	1 TestFreq.100MHz, Max DC resistance 0.7 Ω, Max. Rated Current 230mA, Min. Self resonant Frequency 3300MHz, 0.6mm×0.3mm× 0.3mm size	L90	MSDCL0603C9N1JTDF	Sunlord	
76	1501000211	1 MSM-8225Q-0-576NSP-TR-00-0-AA Mobile Station Modem 1.2G NLSX4014MUTAG, 4-Bit 100 Mb/s Configurable	U30	MSM-8225Q-0-576NSP-TR-00-0-AA	QUALCOMM	
77	1513000051	1 Dual-Supply Level Translator, UDFN12 package, 2.0mm×1.7mm×0.55mm body, 0.4mm lead pitch	U189	NLSX4014MUTAG	ON	
78	1711000011	2 P-JS-IT-18, Antenna RF spring, SMT, L2.95*W0.9*H1.8mm	E5 E6	P-JS-IT-18	JITS	
79	1503000011	1 PMS029-0-140WLNSP-TR-00, Power Management IC, Operating temperature -30°~85° C, 140 WLNSP Package, 0.4mm pitch, size 4.77mm× 4.54mm	U37	PM-8029-0-140WLNSP-TR-00	QUALCOMM	
80	1604000011	1 Q13FC1350000400, miniature size low profile SMD, frequency 32.768KHz, 3.2×1.5 ×0.8mm size, Frequency Tolerance ± 20ppm, load capacitance 12.5pF, Operating Temperature Range -40° C~+85° C RB520S-30TE61, Surface Mount Schottky Barrier Diode, Maximum Reversed voltage	Y2	Q13FC1350000400	EPSON	
81	1401000031	1 VR-30V, Average rectified forward current I0=200mA, EMD2 Package, 1.6mm×0.8mm×0.7mm Size	D98	RB520S-30TE61	ROHM	
82	1401000041	3 RB551V-30TE-17, Surface Mount Schottkey Power Rectifier 30V, 500mA, UMD2 Package	D22 D29 D30	RB551V-30TE-17	ROHM	
83	1304000051	1 Resistor, Thick Film Chip Fixed-0805-0.47- 1/4W±1% SMD	R1161	RL0805FR-070R47L	Yageo	

				C1611 L315 L317 R11 R16 R18 R19 R23 R26 R27 R29 R31 R32 R33 R34 R35 R36 R78 R81 R82 R85 R86 R87 R88 R89 R95 R96 R99 R100 R140 R145 R146 R147 R148 R149 R150 R151 R152 R153 R154 R155 R156 R159 R160 R161 R162 R164 R165 R166 R167 R168 R169 R170 R171 R172 R173 R174 R175 R177 R179 R180 R182 R184 R185 R187 R188 R191 R192 R198 R252 R253 R325 R339 R1079 R1080 R1126 R1162 R1163 R1168 R1170 R1171 R1172 R1262 R1263 R1264 R1296		
84	1101000012	99	Resistor,Thick Film Chip Fixed-0201-0-1/20W±5% SMD	RC0201JR-070RL	Yageo	
85	1101000062	3	Resistor,Thick Film Chip Fixed-0201-100-1/20W±5% SMD	R190 R193 R194 RC0201JR-07100RL	Yageo	
86	1101000072	6	Resistor,Thick Film Chip Fixed-0201-1K-1/20W±5% SMD	R59 R1160 R1349 R1361 R1362 RC0201JR-071KL R1369 R101 R103 R141 R143 R1081 R1082 R1084 R1085 R1270 R1276 R1277 R1278 R1279 R1280 R1281 R1308 R1310 R1348 R1360 R1365 R1395 R9 R20 R84 R98 R157 R326 R1173	Yageo	
87	1101000082	21	Resistor,Thick Film Chip Fixed-0201-10K-1/20W±5% SMD	R1334 R1375 R1377 R1378 RC0201JR-0710KL R1380 R1381 R1294 R25 R30 R130 R248 R327 R1269 R1292 R1297 R1301 R1315 R1329 R1355 R1373 R1385 R1386	Yageo	
88	1101000092	14	Resistor,Thick Film Chip Fixed-0201-100K-1/20W±5% SMD	R186 RC0201FR-0712KL	Yageo	
89	1101000102	15	Resistor,Thick Film Chip Fixed-0201-1M-1/20W±5% SMD	R1133 R1134 RC0201JR-07130RL	Yageo	
90	1101000112	1	Resistor,Thick Film Chip Fixed-0201-12K-1/20W±1% SMD	R1370 RC0201JR-0715KL	Yageo	
91	1101000122	2	Resistor,Thick Film Chip Fixed-0201-130-1/20W±5% SMD	R1137 R1138 RC0201JR-07200RL	Yageo	
92	1101000132	1	Resistor,Thick Film Chip Fixed-0201-15K-1/20W±5% SMD	R1306 R1307 R1358 RC0201JR-072KL	Yageo	
93	1101000162	2	Resistor,Thick Film Chip Fixed-0201-200-1/20W±5% SMD	R1437 RC0201JR-0720KL	Yageo	
94	1101000172	3	Resistor,Thick Film Chip Fixed-0201-2K-1/20W±5% SMD	R1366 R1367 R1368 RC0201JR-07200KL	Yageo	
95	1101000182	1	Resistor,Thick Film Chip Fixed-0201-20K-1/20W±5% SMD	R4 R5 R10 R12 R91 R92 R93 R94 RC0201JR-072K2L R142 R1135	Yageo	
96	1101000192	3	Resistor,Thick Film Chip Fixed-0201-200K-1/20W±5% SMD	R1136 R1439 RC0201JR-0727RL	Yageo	
97	1101000212	10	Resistor,Thick Film Chip Fixed-0201-2.2K-1/20W±5% SMD	R1364 RC0201JR-07330RL	Yageo	
98	1101000232	2	Resistor,Thick Film Chip Fixed-0201-27-1/20W±5% SMD	R163 R183 RC0201JR-073K6L	Yageo	
99	1101000262	1	Resistor,Thick Film Chip Fixed-0201-330-1/20W±5% SMD	R102 RC0201FR-074K02L	Yageo	
100	1101000772	2	Resistor,Thick Film Chip Fixed-0201-3.6K-1/20W±5% SMD	R1132 RC0201JR-0747RL	Yageo	
101	1101000272	1	Resistor,Thick Film Chip Fixed-0201-4.02K-1/20W±1% SMD			
102	1101000302	1	Resistor,Thick Film Chip Fixed-0201-47-1/20W±5% SMD			

103	1101000322	3	Resistor,Thick Film Chip Fixed-0201-4.7K-1/20W±5% SMD	R1311 R1332 R1347 R144 R158 R1305 R1342 R1396 R1397 R1398	RC0201JR-074K7L	Yageo
104	1101000332	17	Resistor,Thick Film Chip Fixed-0201-47K-1/20W±5% SMD	R1399 R1400 R1401 R1402 R1403 R1418 R1419 R1420 R1433 R1434	RC0201JR-0747KL	Yageo
105	1101000342	1	Resistor,Thick Film Chip Fixed-0201-470K-1/20W±5% SMD	R1352	RC0201JR-07470KL	Yageo
106	1101000352	3	Resistor,Thick Film Chip Fixed-0201-49.9-1/20W±1% SMD	R90 R1125 R1131	RC0201FR-0749R9L	Yageo
107	1101000372	7	Resistor,Thick Film Chip Fixed-0201-5.1K-1/20W±5% SMD	R1165 R1302 R1350 R1351 R1353 R1371 R1405	RC0201JR-075K1L	Yageo
108	1101000382	1	Resistor,Thick Film Chip Fixed-0201-51K-1/20W±5% SMD	R213	RC0201JR-0751KL	Yageo
109	1101000402	1	Resistor,Thick Film Chip Fixed-0201-6.19K-1/20W±1% SMD	R251	RC0201FR-076K19L	Yageo
110	1101000413	1	Resistor,Thick Film Chip Fixed-0201-680-1/20W±5% SMD	R1359	RC0201FR-07680RL	Yageo
111	1101000422	1	Resistor,Thick Film Chip Fixed-0201-6.8K-1/20W±5% SMD	R1317	RC0201JR-076K8L	Yageo
112	1101000432	2	Resistor,Thick Film Chip Fixed-0201-75K-1/20W±5% SMD	R13 R14	RC0201JR-0775KL	Yageo
113	1101000452	3	Resistor,Thick Film Chip Fixed-0201-82-1/20W±5% SMD	R1127 R1128 R1129	RC0201JR-0782RL	Yageo
114	1102000092	2	Resistor,Thick Film Chip Fixed-0402-10-1/16W±5% SMD	R42 R1179	RC0402JR-0710RL	Yageo
115	1102000132	1	Resistor,Thick Film Chip Fixed-0402-1.37K-1/16W±1% SMD	R1363	RC0402FR-071K37L	Yageo
116	1102000182	1	Resistor,Thick Film Chip Fixed-0402-1.5-1/16W±5% SMD	R1299	RC0402JR-071R5L	Yageo
117	1102000042	1	Resistor,Thick Film Chip Fixed-0402-36K-1/16W±5% SMD	R1357	RC0402JR-0736KL	Yageo
118	1102000052	1	Resistor,Thick Film Chip Fixed-0402-39K-1/16W±1% SMD	R1356	RC0402FR-0739KL	Yageo
119	1102000062	1	Resistor,Thick Film Chip Fixed-0402-499K-1/16W±1% SMD	R1423	RC0402FR-07499KL	Yageo
120	1502000021	1	RTR-6285A, RF Transceiver IC, 137-pin CSP package, 8mm×8mm×0.9mm body, 0.4mm lead pitch	U39	RTR-6285A-0-137CSP-MT-01-0	QUALCOMM
121	1509000111	2	SAFEB1G57KD0F00R14, GPS/GNSS SAW Filter, Nominal Center Frequency (fc)=1575.5MHz, Insertion Loss (1575.4...1577.4MHz):1.2dB max. Typical value 0.84dB, SAW FILTER FOR W-CDMA (Rx), nominal center frequency 2140MHz, IL(2110 to	U20 U61	SAFEB1G57KD0F00R14	MURATA
122	1509000121	1	2170MHz):1.9dB(typical) 2.5dB Max, Ripple Deviation(2110 to 2170MHz):0.6dB(typical) 1.5dB(max) SAWEN1G84CN0F00, SAW FILTER FOR GSM1800/GSM1900 (Rx), nominal center	U80	SAFEB2G14FB0F00	MURATA
123	1509000151	1	frequency 1842.5MHz, IL(1805 to 1880MHz):2.5dB(typical) 1.6dB Max, Ripple Deviation:0.4dB(typical) 1.8dB(max) 800/900MHz range SAW filter, nominal	U78	SAWEN1G84CN0F00R15	MURATA
124	1509000161	1	center frequency 881.5MHz, IL(869 to 894Mhz):1.4dB(typical) 2.0dB Max, Ripple Deviation:0.3dB(typical) 1.1dB(max) SAYFP1G95AA0B00 SAW DPX FOR UMTS BAND1	U77	SAWEN881MCN0F00R14	MURATA
125	1509000171	1	2.5mmX2.0mmX0.55mm SDCL1608CR47JTDF, Inductance 470nH, Inductance tolerance±5%, Min. Quality Factor 8, L/Q	U76	SAYFP1G95AA0B00R05	Murata
126	1203000011	1	TestFreq.50MHz, Max DC resistance 3.6Ω, Max. Rated Current 150mA, Min. Self resonant Frequency 250MHz, 1.6mm×0.8mm×0.8mm size	L6	SDCL1608CR47JTDF	SUNLORD
127	1601000021	1	SGM2019-1.2YN5G/TR output 1.2V, Low Power, Low Dropout, RF-Linear Regulators, 250mA LDO, SOT-23-5 package	U193	SGM2019-1.2YN5G/TR	SGMC
128	1601000051	1	SGM2019-3.3YN5G/TR, 300mA low noise low-dropout Regulator, 3.3V output, 5-pin SOT23-5 package, 2.9mm×3.0mm×1.3mm	U24	SGM2019-3.3YN5G/TR	SGMICRO
129	1601000031	2	body, 0.95mm lead pitch SGM2022-VYN6/TR, Dual, Low Dropout, 250mA LDO Regulators, VOUT1=1.8V and VOUT2=3.3V, SOT23-6 package, 3.02mm×2.95mm×1.25mm body, 0.95mm lead pitch	U175 U194	SGM2022-VYN6/TR	SGMICRO

130	1602000021	SGM6603-ADJYN6G/TR, 90% Efficient Synchronous Step-Up Converter with 1A Switch, 5.0V Fixed Output Voltages, SOT-23-6 package, 2.92mm×2.8mm×1.25mm body, 0.95mm lead pitch	U187	SGM6603-5.0YN6G/TR	SGMICRO
131	1602000011	SGM6603 90% Efficient Synchronous Step-Up Converter with 1A Switch, adjustable Output Voltage Up to 5.5V, SOT-23-6 Package	U186	SGM6603-ADJYN6G/TR	SGMC
132	1703000021	SIMPS-U0801-TP00, SIM Card 8Pin Push push Type, 19.3×26.30×1.8mm size, 1.27mm Pitch	J57 J58	SIMPS-U0801-TP00	Saber
133	1509000221	SKY77701, Power Amplifier Module for WCDMA / HSDPA / HSUPA / HSPA+ / LTE - Band I (1920 - 1980 MHz), Small low profile package, 3 mm x 3 mm x 0.9 mm size	U74	SKY77701	Skyworks
134	1512000051	SMB347 Charger IC	U38	SMB347ET-1699Y	SUMMIT
135	1513000021	SN75LVDS83BZQLR, FlatLink LVDS Display Serdes Interfaces transmitter, 56 ball ZQL BGA Package, 4.6mm×7.1mm×1.0mm body, 0.65mm ball pitch	U170	SN75LVDS83BZQLR	TI
136	1204000011	SWPA252012S2R2MT, Inductance 2.2uH, Inductance tolerance±20%, Max DC resistance 0.165Ω, saturation current 1.78A, Min. Self resonant frequency 69MHz, 2.5mm×2.0mm×1.2mm size	L68 L69 L70 L72	SWPA252012S2R2MT	Sunlord
137	1204000021	SWPA252012S4R7MT, Inductance 4.7uH, Inductance tolerance±20%, Max DC resistance 0.305Ω, Saturation Current Max 1.27A, Temperature Rise Current 0.72A, Mount area: 2.5mm×2.0mm×1.2mm, Low profile: 1.2mm max. height	L313 L319	SWPA252012S4R7MT	Sunlord
138	1204000031	SWPA3012S4R7MT, Inductance 4.7uH, Inductance tolerance±20%, Max DC resistance 0.12Ω, Saturation Current Max 0.9A, Temperature Rise Current 1.24A, Mount area: 3.0mm×3.0mm×1.4mm, Low profile: 1.4mm max. height	L328	SWPA3012S4R7MT	Sunlord
139	1204000041	SWPA4012S220MT, Inductance 22uH, Inductance tolerance±30%, Max DC resistance 0.47Ω, Saturation Current Max 0.54A, Temperature Rise Current 0.55A, Mount area: 4.0mm×4.0mm×1.4mm, Low profile: 1.4mm max. height	L326	SWPA4012S220MT	Sunlord
140	1203000021	SZ1608K252TF, Multilayer Chip Bead, 0603 Type, Impedance 2500±25% at 100MHz, Max rated Current 200mA, Max. DC Resistance 1.2Ω	L1 L4	SZ1608K252TF	Sunlord
141	1301000044	Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 1000pF, tolerance ±20%, 0201 SMD, Temperature characteristic X5R	C161 C358 C363 C369 C1454 C1598 C1599 C1600 C1601 C36 C37 C41 C42 C43 C44 C46 C49 C50 C51 C52	TMK063BJ102KP-F	TAIYO
142	1301000054	Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 0.01uF, tolerance ±20%, 0201 SMD, Temperature characteristic X5R	C209 C212 C359 C360 C364 C1585 C1641	LMK063BJ103KP-F	TAIYO
143	1301000063	TMK063BJ151JP-F, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 150pF, tolerance ±5%, 0201 SMD	C331 C332 C334 C338	GRM033R71E151KA01D	Murata
144	1301000094	TMK063BJ222MP, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 2200pF, tolerance ±20%, 0201 SMD	C171 C1569	EMK063BJ222KP-F	TAIYO
145	1301000422	TMK063BJ273MP, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 27000pF, tolerance ±20%, 0201 SMD, Temperature characteristic X5	C269	JMK063BJ333KP-F	TAIYO
146	1301000114	Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 470pF, tolerance ±20%, 0201 SMD, Temperature characteristic X5R	C507	TMK063BJ471KP-F	TAIYO
147	1301000124	TMK063BJ472MP-F, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 4700pF, tolerance ±20%, 0201 SMD, Temperature characteristic X5R	C21 C24 C25	EMK063BJ472KP-F	TAIYO
148	1301000134	TMK063CG010CPGF, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 1.0pF, tolerance ±0.25pF, 0201 SMD	C1462	TMK063CG010CT-F	TAIYO
149	1301000141	TMK063CG030CPGF, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 3.0pF, tolerance ±0.25pF, 0201 SMD	C1463	TMK063CG030CPGF	TAIYO

150	1301000173	1 TMK063CG070CPGF, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 7.0pF, tolerance $\pm 0.25\text{pF}$, 0201 SMD	C506	TMK063CG070DT-F	TAIYO
151	1301000191	2 TMK063CG0R5CPGF, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 0.5pF, tolerance $\pm 0.25\text{pF}$, 0201 SMD	C1457 C1561	TMK063CG0R5CPGF	TAIYO
152	1301000201	4 TMK063CG100JT-F, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 10pF, tolerance $\pm 5\%$, 0201 SMD	C110 C1617 C1618 C1619	TMK063CG100JT-F	TAIYO
153	1301000211	14 TMK063CG101JT-F, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 100pF, tolerance $\pm 5\%$, 0201 SMD	C113 C341 C344 C348 C350 C1422 C1423 C1440 C1448 C1449 C1450 C1453 C1469 C1644	TMK063CG101JT-F	TAIYO
154	1301000223	1 TMK063CG150JP-F Cap, Ceramic, 0201, 15pF, $\pm 5\%$, 25V, COG	C1444	GRM0335C1H150JD01D	Murata
155	1301000251	2 TMK063CG1R8CPGF, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 1.8pF, tolerance $\pm 0.25\text{pF}$, 0201 SMD	C1538 C1540	TMK063CG1R8CPGF	TAIYO
156	1301000262	15 TMK063CG220JT-F, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 22pF, tolerance $\pm 5\%$, 0201 SMD	C333 C480 C498 C1374 C1459 C1460 C1532 C1533 C1536 C1556 C1563 C1564 C1565 L288 L316	GRM0335C1E220JD01D	MURATA
157	1301000272	3 TMK063CG270JT-F, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 27pF, tolerance $\pm 5\%$, 0201 SMD	C53 C370 C516	GRM0335C1E270JD01D	Murata
158	1301000301	32 TMK063CG330JT-F, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 33pF, tolerance $\pm 5\%$, 0201 SMD	C6 C16 C17 C19 C60 C148 C149 C162 C262 C439 C1368 C1369 C1417 C1418 C1419 C1420 C1421 C1442 C1445 C1446 C1447 C1541 C1542 C1544 C1562 C1587 C1602 C1620 C1623 C1624 C1625 C1673	TMK063CG330JT-F	TAIYO
159	1301000403	2 TMK063CG390JT-F, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 39pF, tolerance $\pm 5\%$, 0201 SMD	C1443 C1458	TMK063CG390JT-F	TAIYO
160	1301000312	4 TMK063CG470JT-F, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 47pF, tolerance $\pm 5\%$, 0201 SMD	C10 C22 C23 C58	GRM0335C1E470JD01D	Murata
161	1301000331	2 TMK063CG560JT-F, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 56pF, tolerance $\pm 5\%$, 0201 SMD	C1456 C1461	TMK063CG560JT-F	TAIYO
162	1301000351	2 TMK063CG680JT-F, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 68pF, tolerance $\pm 5\%$, 0201 SMD	C1451 C1452	TMK063CG680JT-F	TAIYO
163	1301000363	1 TMK063CG6R8DPCGF, Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 6.8pF, tolerance $\pm 0.5\text{pF}$, 0201 SMD	C347	TMK063CG6R8CPGF	Taiyo
164	1301000394	2 Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 12pF, tolerance $\pm 5\%$, 0201 SMD, Temperature characteristic X5R	C265 C266	TMK063CH120JT-F	Taiyo
165	1303000033	8 Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 1uF, tolerance $\pm 20\%$, 0603 SMD, Temperature characteristic X5R	C1500 C1501 C1504 C1506 C1511 C1518 C1519 C1520	GRM188R61E105KA12D	Murata
166	1305000022	1 Multilayer Ceramic Capacitor, Rated voltage 25V, nominal capacitance 10uF, tolerance $\pm 20\%$, 1206 SMD, Temperature characteristic X5R, 3.2mm $\times$ 1.6mm $\times$ 1.6mm size	C1507	GRM31CR61E106KA12L	Murata
167	1509000201	1 TQM7M5022, 3V Quad-Band GSM850/GSM900/DCS/PCS Power Amplifier Module, ultra-small package, 5.0mm $\times$ 5.0mm $\times$ 1.02mm size	U79	TQM7M5022	TriQuint
168	1401000051	2 UDZSTE-175.6B, Zener Diode, Min Zener Voltage 5.49V, Max Zener Voltage 5.73V, Iz=5mA, UMD2 Package, 2.5mm $\times$ 1.25mm $\times$ 0.7mm Size	D92 D96	UDZSTE-175.6B	ROHM

169	1513000041	1 UM3202Q, dual channel ESD-protected level translator available in DFN8 1.70X1.35, UM5080, Low Capacitance Bidirectional	U62	UM3202Q	Union
170	1606000081	10 Single Line TVS Protection Diode, DFN2 1.0 × 0.6 Package, 1.075mm × 0.675mm × 0.55mm size, 0.65mm lead pitch	D23 D24 D25 D26 D27 D28 D31 D32 D60 D88	UM5080	Union
171	1304000044	1 Multilayer Ceramic Capacitor, Rated voltage 50V, nominal capacitance 1.0uF, tolerance ±20%, 0805	C1642	UMK212BJ105KG-T	TAIYO
172	1404000011	2 UMT3904T106, 200mA NPN General purpose transistor, maximum Collector-emitter voltage 40V, UMT3 package, 2.0mm × 2.1mm × 0.9mm body	Q42 Q47	UMT3904T106	Rohm
173	1403000011	2 UMT3906T106, PNP General Purpose Transistor, maximum Collector-base voltage VCB0=-40V, Maximum Collector-emitter voltage VCE0=-40V, Emitter-base voltage VEB0=-5V, Maximum Collector current IO=-200mA, UMT3 package, 2.0mm × 2.1mm × 0.9mm body	Q43 Q44	UMT3906T106	Rohm
174	1506000011	1 WCN2243 Bluetooth/FM System-on-chip(SOC) Device Training, 58 ball WLNSP package, 3.22mm × 3.3mm × 0.63mm body, 0.4mm lead pitch	U3	WCN2243-0-58WLNSP-TR-05	QUALCOMM
175	1406000041	4 WNM2306-3/TR, N-Channel, 20V, 3.6A, Power MOSFET, Drain-Source Voltage VDS=20V, Gate-Source Voltage VGS=±8V, Continuous Drain Cu	Q19 Q20 Q39 Q45	WNM2306-3/TR	Will
176	1406000051	5 WPM2341A, 20V P-Channel MOSFET, SOT-23 SMD Package	Q32 Q33 Q40 Q41 Q46	WPM2341A	willsemi
177	1604000021	1 X1G003821000100, Temperature Compensated Crystal Oscillator 19.200MHz, Frequency Tolerance ±1.5ppm, Operating Temperature Range -30° C~+80° C, 2.8±5% V supply voltage, 3.2mm × 2.5mm × 1.0mm size	Y3	X1G003821000100	EPSON
178	1720000091	1 Cover_PMU_Volgo7-97	Z1	Cover_PMU_Volgo7-97	
179	1720000101	Cover_BB_Volgo7-97-72	Z2	Cover_BB_Volgo7-97-72	
180	1720000111	Cover_RF_Volgo7-97-72	Z3	Cover_RF_Volgo7-97-72	
181	1001000161	1 QS0815C_MB_V3		QS0815C_MB_V3	