

BOM Check_list

Item Number	Quantity	Part Reference	Description	Mfr_name	Mfr_part_number	Height
1	1	A1	ANTENNA BLUETOOTH W-LAN ZIGBEE WIMAX SMD	TAIYO YUDEN	AH316M245001-T	0.60MM
23	1	D1	DIODE LOW CAPACITANCE TVS ARRAY SLP1616P6	SEMTECH	RCLAMP0854P.TCT	0.65MM
24	1	D2	IC 5V AUDIO INTERFACE ESD PROTECTION SLP1510N6	SEMTECH	ECLAMP2422N.TCT	0.65MM
25	1	D3	DIODE SCHOTTKY 40V SOD323	CENTRAL SEMI CORP	CMDSH05-4	1.00MM
26	1	D4	DIODE TVS 60V 1500W SMC	DIODES INC	SMCJ60A-13	2.62MM
27	1	FL1	PASSIVE FILTER EMI 330E 1500mA 0805	MURATA	BLM21PG331SN1	0.87MM
28	2	FL2,FL3	PASSIVE FILTER EMI 100MHz 0603	MURATA	BLM18AG102SN1D	0.95MM
29	1	J1	CON 0.5MM PITCH 30POS FEMALE RT SMD	JAE ELECTRONICS	DD1R030HA1R1300	4.00MM
30	1	J2	CON MINI USB-AB TYPE 5POS FEMALE RT SMD	MOLEX	56579-0576	3.95MM
31	1	J3	CON POWER JACK 3POS MALE RT SMD	SINGATRON	2DC-A252-K01	4.60MM
32	1	J4	CON AUDIO JACK 3POS 3.50MM FEMALE RT SMD	CUI INC	SJ-3523-SMT	5.00MM
33	2	J5,J8	CON SD CARD 8POS SMD	HIROSE ELECTRIC EUROPE	DDM3AT-SF-PEJ	1.68MM
34	4	J6,J7,J9,J10	CON PMC 20X2 0.8MM PITCH FEMALE ST SMD	SAMTEC	QSE-020-01-F-D-A-GP	3.33MM
35	1	J11	CON 3X1 1.5MM PITCH MALE RT SMD	MOLEX	87438-0343	4.45MM
36	2	LD1,LD2	DIODE LED RED/GREEN/BLUE SMD	DIALIGHT	598-8810-307F	1.4MM
37	2	LD3,LD4	DIODE LED BLUE SMD	DIALIGHT	598-8391-107F	1.00MM
38	3	L1,L3,L4	IND POWER 1.0uH 1.4A 20% SMD	COILCRAFT	LPS3015-102ML	1.50MM
39	1	L2	IND POWER 2.2uH 20% SMD	TDK CORPORATION	RLF7030T-2R2M5R4	3.20MM
40	1	L5	IND POWER 6.8uH 2.91A 20% SMD	WURTH ELECTRONICS INC	7447779006	4.50MM
41	1	L6	IND BEAD CHIP 100E 500mA 0603	WURTH ELECTRONICS INC	742792620	1.00MM
42	2	L7,L8	IND COIL 2.2uH 1.5A 20% SMD	TDK CORPORATION	VL4012AT-2R2M1R5	1.20MM
43	1	L9	PASSIVE FILTER EMI 1K 0402	MURATA	BLM15AG102SN1D	0.55MM
44	1	MOD1	MODULE COMBO BT+WLAN SMD	MURATA	LBEE1W8MEC-TEMP	1.50MM
45	6	Q1,Q3,Q4,Q5,Q6,Q8	IC LOAD SWITCH MOSFET SuperSOT23-6	FAIRCHILD	FDC6331L	1.22MM
46	1	Q2	TRANSISTOR MOSFET P-CHANNEL superSOT23-6	FAIRCHILD	FDC638APZ	1.22MM
47	1	Q7	IC MOSFET N-CHANNEL SOT323	INFINEON TECHNOLOGIES	BSS138W	1.00MM
84	2	SW1,SW2	SWITCH MICROMINIATURE SPST SMD	C&K COMPONENTS	KMS233GLFG	1.42MM
85	1	U1	IC HI-SPEED USB TRANSCEIVER WITH VARIABLE VOLTAGE QFN32	SMSC	USB3320C-EZK	1.00MM
86	2	U2,U83	OSC 26MHz SMD	KYOCERA	KT3225R26000ZAW28TMA	1.05MM
87	1	U3	CRY 18.432MHz SMD	CTS	403C35E18M43200	0.80MM
88	1	U4	IC HUB CONTROLLER HI-SPEED USB 2.0 QFN64	SMSC	USB2517-JZX	1.00MM
89	1	U5	IC LDO REGULATOR 200mA 3.0V ULTRA LOW NOISE SOT23-5	TEXAS INSTRUMENTS	TPS79928DDCT	1.10MM
90	1	U6	IC DUAL UART WITH 64-BYTE FIFO I2C/SPI INTERFACE HVQFN32	NXP SEMICONDUCTOR	SC16IS762IBS	1.00MM
91	1	U7	IC STEREO HEADPHONE AUDIO POWER AMPLIFIER MSOP8	TEXAS INSTRUMENTS	TPA6102A2DGK	1.10MM
92	1	U9	IC USB POWER MANAGER WITH LI-ION CHARGER & DIODE CONTROLLED	LINEAR TECHNOLOGY	LTC4085EDE#PBF	0.80MM
93	1	U10	IC VOLTAGE-TRANSLATION TRANSCEIVER FOR MMC SD CARD PBGA20	TEXAS INSTRUMENTS	SN74AVCA406LZX	0.61MM
94	1	U12	IC BUCK-BOOST DC/DC CONVERTER DFN14	LINEAR TECHNOLOGY	LTC3533EDE#PBF	0.80MM
95	1	U13	IC INTEGRATED POWER MANAGEMENT/AUDIO CODEC NFBGA139	TEXAS INSTRUMENTS	TPS65930BZCH	1.30MM
96	1	U14	IC P-CHANNEL 12V 6A MOSFET TSSOP8	FAIRCHILD	FDW2508P	1.20MM
97	1	U15	IC 32BIT DUAL BUS TRANSCEIVER LFBGA96	TEXAS INSTRUMENTS	SN74AVC32T245ZKER	1.40MM

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98	1	U16	IC TI APPLICATIONS PROCESSOR	TEXAS INSTRUMENTS	OMAP3530DCBB	1.00MM
99	1	U17	IC LOW LOSS POWER PATH CONTROLLER TSOT23-6	LINEAR TECHNOLOGY	LTC4412ES6	1.00MM
100	2	U18,U31	IC I2C BUS AND SMBUS VOLTAGE-LEVEL TRANSLATOR VSSOP8	TEXAS INSTRUMENTS	PCA9306DCUR	0.90MM
101	3	U19,U39,U81	IC SINGLE BUFFER/DRIVER SOT553-5	TEXAS INSTRUMENTS	SN74LVC1G07DRLRG4	0.60MM
102	1	U20	IC 4-CHANNEL I2C BUS SWITCH WITH RESET HVQFN16	PHILIPS	PCA9546ABS	1.00MM
103	1	U21	IC EFFICIENT SYNCHRONOUS BOOST CONVERTER QFN16	TEXAS INSTRUMENTS	TPS61032RSAR	1.00MM
104	1	U22	IC SINGLE BUFFER/DRIVER WITH OPEN-DRAIN OUTPUT SC70-5	TEXAS INSTRUMENTS	SN74AUC1G07DCKR	1.10MM
105	1	U23	IC SERIALIZER/DESERIALIZER 10:1 LVDS QFN32	TEXAS INSTRUMENTS	SN65LV1224BRHBT	1.00MM
106	4	U24,U29,U34,U36	IC LOW VOLTAGE FET BUS SWITCH BGA56	TEXAS INSTRUMENTS	SN74CB3Q16211GQLR	1.00MM
107	1	U25	IC LDO REGULATOR 200mA 3.0V ULTRA LOW NOISE SOT23-5	TEXAS INSTRUMENTS	TPS79930DDCT	1.10MM
108	1	U26	IC LOW VOLTAGE FET BUS SWITCH TVSOP24	TEXAS INSTRUMENTS	SN74CB3Q3384ADGVR	1.20MM
109	1	U27	IC LOW INPUT VOLTAGE CONTROLLED TURN-ON DUAL LOAD SWITCH SOT23-5	TEXAS INSTRUMENTS	TPS22960DCNR	1.45MM
110	1	U28	IC 16-BIT DUAL-SUPPLY BUS TRANSCEIVER VFBGA56	TEXAS INSTRUMENTS	SN74AVC16T245ZQLR	1.00MM
111	1	U30	IC BUCK- BOOST CONVERTER 3.3V SON10	TEXAS INSTRUMENTS	TPS63001DRCR	1.00MM
112	1	U32	IC IMPEDANCE TRACK FUEL GAUGE SON12	TEXAS INSTRUMENTS	BQ27500DRZT-V120	1.00MM
113	1	U33	IC 2.5V 50mA LOW DROPOUT LINEAR VOLTAGE REGULATOR SC70-5	TEXAS INSTRUMENTS	TPS71525DCKR	1.10MM
114	1	U35	IC HEX BUFFERS/DRIVERS QFN14	TEXAS INSTRUMENTS	SN74LVC07ARGYR	1.00MM
115	1	U37	IC I2C BUS 16-BIT EXPANDER VQFN24	TEXAS INSTRUMENTS	PCA9555RGER	1.00MM
116	1	U38	IC BUCK- BOOST CONVERTER 5V SON10	TEXAS INSTRUMENTS	TPS63002DRCR	1.00MM
117	1	U82	OSC 24MHz 1.8V SMD	KYOCERA	KC2520B24.0000C10E00	0.70MM
118	1	Y1	CRY 24.000MHz SMD	ABRACON	ABM8-24.000MHZ-B2-XT	0.80MM
119	1	Y2	CRY 32.768KHz SMD	FOX	FX135A-327	0.90MM