

Part Name	QTY	Refs	MFG Parts
IC, Logic, MicroGate, NC7SZ32, 2 Input OR gate, SC70	2	U57, U68,	DIODES_Inc (Pericom) 74LVC1G32SE-7 FAIRCHILD (ON Semiconductors) NC7SZ32P5X NXP (Freescale) 74LVC1G32GW ON_Semiconductors NC7SZ32P5X ON_Semiconductors NL17SZ32DFT2 ON_Semiconductors NL17SZ32DFT2G TI (National Semi) SN74LVC1G32DCKR TI (National Semi) SN74LVC1G32DCKRE4 TI (National Semi) SN74LVC1G32DCKR(G4)E4 TOSHIBA TC7SZ32ELJ
IC, Logic, 74LCX04, Hex Inverter, 3.3V, TSSOP-14	1	U11,	FAIRCHILD (ON Semiconductors) 74LCX04MTC(before mar 06) FAIRCHILD (ON Semiconductors) 74LCX04MTCX FAIRCHILD (ON Semiconductors) 74LCX04MTCX(before mar 06) FAIRCHILD (ON Semiconductors) 74LCX04MTCX(_NL) NXP (Freescale) 74LVC04APW,118 {> DC0510} NXP (Freescale) 74LVC04APW-T,(118) {> DC0510} ON_Semiconductors MC74LCX04DT ON_Semiconductors MC74LCX04DTR2 ST 74LCX04TTR TI (National Semi) SN74LVC04APWR
IC, Memory, EEPROM, 24C08, 1Kx8, 16-bytes page size, 1.8-5.5V, I2C interface, DFN-8	1	U31,	ON_Semiconductors CAT24C08HU4I-GT3
IC, Interface, USB 2.0 Full Speed to UART bridge	1	U24,	Silicon Labs CP2104-F03-GM(R) Silicon Labs CP2104-F03-GMR
IC, Interface, CAN transceiver, 5Mbps data rate	2	U58, U59,	MicroChip (SST/Micrel/Atmel/SMSC) ATA6563-GAQW0 MicroChip (SST/Micrel/Atmel/SMSC) ATA6563-GAQW[0]1 MicroChip (SST/Micrel/Atmel/SMSC) ATA6563-GAQW1 ON_Semiconductors NCV7344AD13R2G
IC, Interface, Ind., USB 3.1 Type-C 2:1 Mux with DRP Controller, HD3SS3220	1	U42,	TI (National Semi) HD3SS3220IRNHT TI (National Semi) HD3SS3220IRNH[T]R
IC, interface, Level translator, 2 bit, Bi-Di, for OC and Push-pull, for I2C	7	U13, U25, U30, U44, U66, U67, U9,	NXP (Freescale) NTS0102DP TI (National Semi) TXS0102DCTR TI (National Semi) TXS0102DCTT TI (National Semi) TXS0102DCT[T]R[E4]G4
IC, Interface, 3243E, Industrial, RS232 drv,3T5R, For 2.7V-3.6V applications, QFN-32	1	U29,	Intersil (Renesas) ISL3243EIRZ(-T) Intersil (Renesas) ISL4243EIRZ(-T) TI (National Semi) MAX3243ECRHBR TI (National Semi) MAX3243ECRHBR(G4) TI (National Semi) MAX3243EIRHBR(G4) TI (National Semi) TRS3243EIRHBR(G4)
IC, Interface, USB2.0 HS 2:1 multiplexer (DPDT)	1	U41,	Intersil (Renesas) ISL54222AIRUZ-T ON_Semiconductors NLAS7222AMTR2G ON_Semiconductors NLAS7222AMUR2G ON_Semiconductors NLAS7222AMUTAG ON_Semiconductors NLAS7222BMUTAG
IC, Periph, 16-bit I2C and SMBus GPIO I/O expander	1	U35,	EXAR (MaxLinear) XRA1201PIL24-F EXAR (MaxLinear) XRA1201PIL24(TR)-F EXAR (MaxLinear) XRA1201PIL24TR-F MAXIM MAX7311ATG(+T) NXP (Freescale) PCA9555HF,118 ON_Semiconductors CAT9555HT6I-GT2 ON_Semiconductors CAT9555HV6I(G)-T2 ON_Semiconductors CAT9555HV6I(G)-T2 ON_Semiconductors CAT9555HV6I-T2 ON_Semiconductors PCA9655EMTTXG TI (National Semi) PCA9555RGER(G4) TI (National Semi) TCA9555RTWR
IC, Periph., WM8731, Audio Stereo codec, I2S, w/Headphone Amplifier (1.8-3.3V VIO)	1	U10,	Wolfson (Cirrus Logic) WM8731CLSEFL Wolfson (Cirrus Logic) WM8731CLSEFL(R) Wolfson (Cirrus Logic) WM8731CLSEFL/R
IC, Led driver, Step-up, PWM, 3-18V Vin, 1.2A Iout (var), SOT-23	1	U5,	TI (National Semi) TPS61165DBV TI (National Semi) TPS61165DBVR TI (National Semi) TPS61165DBV[T]R
IC, Led driver, Step-up, PWM, 2.5-5.5V Vin, 40mA Iout (var), 6-12 LED	1	U15,	DIODES_Inc (Pericom) AP3019AKTR-G1 Yobon YB9285
IC, Ind., Volt Reg, Step down, Vi 4.5-18V, 8A	1	U19,	Richtek RT6238A[L]H]GQUF Richtek RT6238BH]GQUF Richtek RT6238B[L]H]GQUF Richtek RT6239AL]GQUF Richtek RT6239A[L]H]GQUF
IC, Volt Reg., RT8272, Step down, 3A, Vi=4.75V..24V, Vo=0.92V..15V	3	U18, U20, U21,	Richtek RT8272-GSP
IC, Volt. Reg. LDO, 500mA, Adjustable 0.8-4.5V, RT9186	1	U23,	Richtek RT9186AGQV
IC, Analog, 4-Lane DisplayPort DPDT switch, 3.3V, MAX14998, QFN-42	2	U63, U65,	MAXIM MAX14998ETO+ MAXIM MAX14998ETO+T
IC, Analog, 3A power switch with adj. current limit (USB)	2	U34, U43,	JTM CXUS7702SR Richtek RT9703GS Richtek RT9703[P]G]S Richtek RT9703PS
Diode, Schottky, dual, common Cathode, BAT54C, SOT23	2	D1, D12,	DIODES_Inc (Pericom) BAT54C-7 DIODES_Inc (Pericom) BAT54C-7-F DIODES_Inc (Pericom) UBAT-54C FAIRCHILD (ON Semiconductors) BAT54C Infineon BAT64-05 NXP (Freescale) BAT54C NXP (Freescale) BAT54C,215 NXP (Freescale) BAT54C-QR ST BAR43C Vishay-General_Semiconductor BAT54C/E9 Yangjie Electronic BAT54C
Diode, Schottky, Sgl, BAT54WS, SOD-323	6	D10, D11, D14, D2, D4, D8,	DIODES_Inc (Pericom) BAT54WS-7 DIODES_Inc (Pericom) BAT54WS[Q]-[7]13]-F Diotec BAT54WS Infineon BAS140W Infineon BAS3010A-03W MCC BAT54WS-TP NXP (Freescale) 1PS765B10 ON_Semiconductors BAT54HT1 ON_Semiconductors BAT54HT1G VISHAY BAT54WS-[E]G]3-08 VISHAY BAT54WS-GS08 Yangjie Electronic BAT54WS
Diode, Schottky, 1A, 30V, SOD-123	3	D23, D24, D25,	DIODES_Inc (Pericom) B130LAW(-7-F) DIODES_Inc (Pericom) B130LAW-7-F ON_Semiconductors MBR130T1G ON_Semiconductors MBR130T3G VISHAY SL03-GS08
Diode, Schottky, 5A, 30V, SOD-128	3	D3, D6, D9,	NXP (Freescale) PMEG3050BEP,115 ON_Semiconductors FSV530AF ON_Semiconductors FSV530AF(TR) ROHM RB080LAM-30TR ROHM RBR5LAM30ATR ROHM RBR5LAM30ATR
Transistor, P-MOSFET, 1.5A, 8V, vgs(th)=-0.6V	1	Q4,	International_Rectifier (Infineon) IRLML6401TRPBF ON_Semiconductors NTR2101PT1G VISHAY SI2323DS-T1 VISHAY SI2333DS-T1-(G)E3 Yangjie Electronic YJL2301D
Transistor, N-MOSFET, Dual, 20V, 0.5A, vgs(th)=0.6V, NTZD3154NT	4	Q1, Q14, Q24, Q6,	DIODES_Inc (Pericom) DMN32D2LV-7 MCC SIX3134KA-TP ON_Semiconductors NTZD3154NT1G ON_Semiconductors NTZD3154NT5G VISHAY Si1036X-T1-GE3
Transistor, P-MOSFET, 8.3A, 20V, vgs(th)=1.8V / Rds=30mOhm	1	Q3,	DIODES_Inc (Pericom) DMP2008UFG-7 FAIRCHILD (ON Semiconductors) FDMC510P FAIRCHILD (ON Semiconductors) FDMC510P(LF106) FAIRCHILD (ON Semiconductors) FDMC510P_F106 ON_Semiconductors NTLTS3107PR2G ON_Semiconductors NTTF3A08PZTAG ROHM RQ1A070ZP VISHAY Si7413DN-T1-E3 VISHAY Si7413DN-T1-GE3 VISHAY Si7413DN-T1-(G)E3
Diode, TVS, Vrrwm=15V, BiDi, 1500W, SMC	1	D5,	Brightking (Yageo) SMCJ15CA(-AT) DIODES_Inc (Pericom) SMCJ15CA-13-F FAIRCHILD (ON Semiconductors) SMCJ15CA LittleFuse SMCJ15CA VISHAY SMCJ15CA-E3/57T VISHAY SMCJ15CA-E3/9AT VISHAY SMCJ16CA-E3/57T Yangjie Electronic SMCJ15CA
Diode, TVS, Dual USB 2.0 ESD protection, Low cap (1pF)	6	U26, U27, U28, U32, U33, U38,	AOS AOZ8007CI NXP (Freescale) IP4220CZ6 NXP (Freescale) IP4220CZ6,(125) ON_Semiconductors NUP4301MR6T1G ST DVIULC6-45C6

LED, Green, SMT, 1206	2	DS1, DS2,	Avago HSMG-C150 Avago HSMG-C151 DIALIGHT 597-3311-407 EVERLIGHT 15-21SYGC/S530-E2/TR8 EVERLIGHT 15-21SYGD/S530-E2/TR8 EVERLIGHT 15-21/VGC/TR8/T1 EVERLIGHT QTLTP650D4TR KingBright KP-32165GC KingBright KP32165GD LiteON LTST-C230GKT Lumex SML-LX1206GC-TR P-Tec PL00200-WCG13 TOYO LED TY-Y1206UG1(0.90) TOYO LED TY-Y1206UG10.90 z#QT_Opto QTLTP650D-4 z#QT_Opto QTLTP650D-4-TR
OSC., Industrial, 25.000MHz, 50PPM, 3.2x2.5mm SMD, 3.3V	2	OSC4, OSC5,	IQD 25.000000MHz CFP5-39I B TR NDK NZ3225SA-25.000MHz_E Raltron Com13025-25.000-EXT-T-TR Raltron Com130[25]5]-25.000-EXT-T-TR Siward OSC813500NLS25.000-3.3R TAI TIEN PXETGLJANF-25.000Mhz
EMI Filter, Common mode, With ESD, 60Ohm, USB3 app, SMT	24	L1, L10, L12, L13, L17, L18, L19, L2, L20, L21, L22, L23, L24, L25, L27, L28, L29, L30, L59, L60, L61, L62, L63, L7,	LittleFuse LCFE121002A650TG Murata LXES11DAA2-135 TDK TCE1210U-500-2P-T
Inductor, 10uH, 0.8A, 4x4mm	2	L8, L9,	Delta SI43-100 Murata LQH44PN100MP0L Sunlord SWPA4020S100M(T) Sunlord SWPA4020S100MT Taiyo_yuden (LM) NR 4018T 100M Taiyo_yuden LM NR 4018T 100M Taiyo_yuden SWPA4020S100M TDK VLC4018T-100M
Inductor, 2.2uH, Isat=14A, 18mohm DCR	1	L5,	Coiltronics (EATON_Bussmann) HCMA0703-2R2-R Delta MPL73-2R2 Delta MPT730-2R2M1 TDK SPM6530T-2R2M TMP FMJ-0630T-2R2 HFTR TMP FMJ-0730R-2R2 HFTR Viking SDB0630MT2R2
Inductor, 2.2uH, I rms=3A, Isat=3.5A, DCR<=85.5mOhm, H=1.2mm (MAX), Shielded, SMT	1	L3,	Chilisin BMQE000404112R2MAA TDK SPM4012T-2R2M-LR
Inductor, 6.8uH, Irated>=3.5A, DCR < 40mohm	2	L4, L6,	3L UPIA0604-6R8M Coilmaster SQH8040S-6R8N-LF MAG.LAYERS MNR-8040-6R8N Murata LQH88PN6R8N38K Taiyo_yuden NRS8040T6R8NJGJ TDK VLP8040T-6R8M Tri-Tron (Sunborn) SDB8040-6R8N
Cap., 100nF, 10V, X7R/X5R, 10%, 0402	130	C100, C101, C105, C106, C107, C14, C141, C143, C144, C145, C146, C148, C15, C151, C152, C153, C154, C155, C156, C157, C158, C159, C16, C160, C164, C165, C167, C168, C169, C17, C170, C177, C18, C186, C19, C191, C192, C193, C194, C20, C200, C201, C204, C205, C206, C207, C208, C209, C210, C211, C212, C213, C214, C215, C216, C217, C218, C219, C22, C220, C221, C222, C223, C226, C227, C228, C229, C27, C31, C33, C338, C339, C34, C351, C354, C367, C368, C37, C371, C373, C4, C44, C5, C51, C53, C54, C55, C6, C61, C63, C65, C66, C67, C69, C7, C8, C831, C832, C833, C874, C877, C880, C894, C895, C896, C897, C898, C899, C900, C905, C907, C908, C909, C910, C911, C912, C918, C919, C92, C920, C921, C922, C923, C924, C93, C94, C95, C96, C97, C99,	Epcos B37621K8104K060 Fenghua 0402B104K[100]160]NT Fenghua 0402B104K100NT Fenghua 0402B104K160NT Frontier Electronics 0402G[100]160]X104KCT Kemet (Yageo) C0402C104K8PAC(7867) Kemet (Yageo) C0402C104K8PAC7867 Kemet (Yageo) C0402C104K8RAC(7867) Murata GRM155R61A104KA01D Murata GRM155R61C104KA88D Murata GRM155R[6]7]1A104KA01D Murata GRM155R71A104KA01D Murata GRP155R61A104KA01E SAMSUNG_ELECTRO CL05A104K05NNNC SAMSUNG_ELECTRO CL05A104K[O]P]5NNN[C]E SAMSUNG_ELECTRO CL05A104KP5NNNC SAMSUNG_ELECTRO CL05A104KP5NNNC SAMSUNG_ELECTRO CL05B104K05NNNC SAMSUNG_ELECTRO CL05B104K[O]P]5NNN[C]E SAMSUNG_ELECTRO CL05B104KP5NNNC SAMSUNG_ELECTRO CL05B104KP5NNND SAMSUNG_ELECTRO CL05B104KPNC Taiyo_yuden LMK105B104KV-F TDK C1005JB1A104KT TDK C1005X7R1C104KT Walsin 0402[B]X]104K100CT Walsin 0402X104K100CT Yageo (Brightking) 2238 247 156 49 Yageo (Brightking) CC0402KRX[5]7]R68B104 Yageo (Brightking) CC0402KRX5R68B104 Yageo (Brightking) CC0402KRX7R68B104
Cap., 1uF, 6.3V, X5R/X7R, 20%, 0402	18	C1, C104, C140, C142, C147, C149, C161, C185, C187, C188, C198, C202, C28, C359, C38, C39, C45, C98,	CAL-CHIP GMC04X5R105M6R3NT Fenghua 0402X105K6R3NT Fenghua 0402X105[K]M]6R3NT Johanson_Dielectrics 100R07X105KV4T Murata GMD155R60J105KE11D Murata GRM155R60J105KE19D Panasonic_Industrial ECJ0E50J105[M]K] SAMSUNG_ELECTRO CL05A105KQ5NNNC SAMSUNG_ELECTRO CL05A105[M]K]Q5NNNC SAMSUNG_ELECTRO CL05A105MQ5NNNC TDK C1005X5R0J105[K]M]T TDK C1005X5R0J105KT Yageo (Brightking) CC0402KRX5R58B105
Cap., 10uF, 10V, X5R, 20%, 0402	12	C195, C30, C32, C35, C36, C886, C887, C888, C889, C9, C916, C917,	CAL-CHIP GMC04X5R106M10NT EYANG C0402X5R106M100NTC SAMSUNG_ELECTRO CL05A106MP5NUNC SAMSUNG_ELECTRO CL05A106MP5N[U]R]B8]N[C] Walsin 0402X106M100CT
Cap., 10uF, 6.3V, X5R/X7R, 20%, 0603	13	C162, C60, C70, C875, C876, C878, C879, C881, C901, C902, C903, C904, C906,	Kemet (Yageo) C0603C106[K]M]9PAC Murata GRM188R60J106ME47D SAMSUNG_ELECTRO CL10A106[K]M]Q8NNNC SAMSUNG_ELECTRO CL10A106KQ8NNNC SAMSUNG_ELECTRO CL10A106M8Q8NNNC Taiyo_yuden JMK107ABJ106KA-T Taiyo_yuden JMK107(A)BJ106[K]M]A-T Taiyo_yuden JMK107ABJ106MA-T Taiyo_yuden JMK107BJ106MA-T TDK C1608X5R0J106[K]M]T Walsin 0603X106[K]M]6R3CT Yageo (Brightking) CC0603MRX5R58B106
Cap., 100uF, 6.3V, X5R, 20%, 1206, H=1.6mm	7	C121, C122, C172, C197, C40, C41, C913,	Fenghua 1206X107M6R3NT Kemet (Yageo) C1206C107[K]M]9PAC7210 Murata GRM31CR60J107ME39L SAMSUNG_ELECTRO CL31A107MQHNNN[C]E SAMSUNG_ELECTRO CL31A107MQHNNNE Taiyo_yuden JMK316(A)BJ107ML-L Taiyo_yuden JMK316ABJ107ML-L Taiyo_yuden JMK316(A)BJ107ML-T Taiyo_yuden JMK316ABJ107ML-T Taiyo_yuden JMK316BJ107ML-T TDK C3216X5R0J107MT Thunder 1206X107M6R3CG Thunder 1206X107M6R3CT Wurth 885012108005 Yageo (Brightking) CC1206MKX5R58B107
Cap., 4.7uF, 10V, 20%, X5R, 0402	2	C760, C761,	Murata GRM155R61A475MEAAD SAMSUNG_ELECTRO CL05A475KP5NNRC TDK C1005X5R1A475K050BC Yageo (Brightking) CC0402KRX5R68B475
Cap., 47uF, 6.3V, X5R/X7R, 20%, 0805	3	C112, C129, C136,	Kemet (Yageo) C0805C476M9PAC Murata GRM218R60J476ME15L SAMSUNG_ELECTRO CL21A476[K]M]Q[F]Y]NNN[C]E]G SAMSUNG_ELECTRO CL21A476MQYNNNE SAMSUNG_ELECTRO CL21A476MQYNNNG Taiyo_yuden JMK212BBJ476MG-T Taiyo_yuden JMK212(B)BJ476[M]K]G-T Taiyo_yuden JMK212BJ476MG-T TDK C2012X5R0J476MT
Cap., 10nF, 25V, X7R, 10%, 0402	7	C110, C124, C126, C139, C48, C49, C82,	CAL-CHIP GMC04X7R103K[25]50]NT(LF) CAL-CHIP GMC04X7R103K50NT Epcos B37921K9103K60 Fenghua 0402B103K[250]500]NT Fenghua 0402B103K500NT Hitano 0402B103K[250]500]NU Kemet (Yageo) C0402C103K3RAC Murata GRM155R71E103KA01D Murata GRP155R71E103KA01[D]E PHYCOMP 2238 917 156 36 SAMSUNG_ELECTRO CL05B103KANC SAMSUNG_ELECTRO CL05B103KB5NNNC Taiyo_yuden TMK105B7103KV-F Taiyo_yuden TMK105BJ103KV-F TDK C1005JB1E103KT VISHAY VJ0402Y103KXJAT Walsin 0402B103K250CT Yageo (Brightking) CC0402KRX7R98B103

Cap., 100nF, 25V, X5R/X7R, 10%, 0402	8	C114, C115, C117, C120, C131, C132, C135, C138,	Fenghua 0402[B]X104K250NT Fenghua 0402X104K250NT Hitano 0402X104K250NU SAMSUNG_ELECTRO CL05A104KA5NNNC SAMSUNG_ELECTRO CL05B104KA5NNNC Taiyo_yuden TMK105B7104KVHF Taiyo_yuden TMK105BJ104KV-F TDK C1005X7R1E104K050BB Walsin 0402B104K250CT Walsin 0402[B]X104K250CT Walsin 0402X104K250CT Yageo (Brightking) CC0402KRX5R8BB104
Cap., 1uF, 16V, X5R/X7R, 10%, 0402	8	C125, C358, C360, C774, C775, C777, C778, C779,	CAL-CHIP GMC04X5R105K16NT(LF) Fenghua 0402X105K160NT SAMSUNG_ELECTRO CL05A105K05NNNC Taiyo_yuden EMK105BJ105KV-F TDK C1005X5R1C105K0508C Walsin 0402[B]X105K160J250CT
Cap., 1uF, 16V, X7R, 20%, 0805	1	C109,	Epcos B37941K9105K06[0]2J Fenghua 0805B105K250NT Murata GRM21BR71C105KA01L PHYCOMP 0805R105M7BB0D SAMSUNG_ELECTRO CL21B105K0FNFNE SAMSUNG_ELECTRO CL21B105K0FNF[F]NNE SAMSUNG_ELECTRO CL21B105K0FNNNE TDK C2012X7R1C105KT Walsin 0805B105K160CT Walsin 0805B105K250CT Walsin 0805B105K250CT Yageo (Brightking) CC0805KKX7R7BB105 Yageo (Brightking) CC0805[K]M[X]X7R7BB105
Cap., 10uF, 16V, X5R/X7R, 20%, 0603	3	C52, C56, C85,	CAPAX 0603B106[K]M160SNT Fenghua 0603X106[K]M160NT Murata 1GRM188C81C106MA73D SAMSUNG_ELECTRO CL10A106MO8NQNC Taiyo_yuden EMK107BBJ106MA-T Taiyo_yuden EMK107BJ106MA-T TDK C1608X5R1C106M080AB Thunder 0603X106M160CT
Cap., 220nF, 16V, X7R/X5R, 0402, 10%	1	C58,	Murata GRM155R71C224KA12D SAMSUNG_ELECTRO CL05B224K05NNNC Taiyo_yuden EMK105BJ224KV-F TDK C1005X5R1C224KT TDK CGA2B3X7R1E224K050BE Thunder 0402X224K160CT Walsin 0402B224K160CT Walsin 0402X224K6R3CT Wurth 885012105017 Yageo (Brightking) CC0402KRX5R[7]B8B224 Yageo (Brightking) CC0402KRX5R7BB224
Cap., 22uF, 25V, X5R/X7R, 20%, 0805	7	C113, C118, C119, C127, C130, C137, C733,	Murata GRM21BR61E226ME44L SAMSUNG_ELECTRO CL21A226MAQNNNE TDK C2012X5R1E226M125AC Yageo (Brightking) CC0805MKX5R8BB226
Cap., 47uF, 16V, X5R, 20%, 1210, H=2.5mm	1	C108,	Murata GRM32ER61C476KE15K Murata GRM32ER61C476KE15L Murata GRM32ER61C476[K]MJE15K Murata GRM32ER61C476[K]MJE15L Murata GRM32ER61C476ME15L Murata GRM32ER61C476ME15L SAMSUNG_ELECTRO CL32A476MOJNNNE Taiyo_yuden EMK325BJ476[M]KJM-T Taiyo_yuden EMK325BJ476MM-T
Cap., 10pF, 0402, NPO, 50V, 5% or 1%	1	C123,	CAL-CHIP GMC04CG100J50NT(LF) CAL-CHIP GMC04CG100J50NTLF Epcos B37920K5100J60 Fenghua 0402CG100[F]J500NT Fenghua 0402CG100J500NT Kemet (Yageo) C0402C100F5GAC Murata GRM1552C1H100JA01D Murata GRP1552C1H100JZ01E SAMSUNG_ELECTRO CL05C100FBNFC SAMSUNG_ELECTRO CL05C100[F]JJB5NNNC SAMSUNG_ELECTRO CL05C100JB5NNNC VISHAY VJ0402A100FXAA[T]C Walsin 0402N100J500[C]LT Walsin 0402N100J500CT Yageo (Brightking) CC0402JRNPO9BN100
Cap., 100pF, 0402, NPO, 50V, 5% or 1%	1	C50,	Fenghua 0402CG101F500NT Fenghua 0402CG101[F]J500NT Fenghua 0402CG101J500NT Kemet (Yageo) C0402C101F5GAC Murata GRM1555C1H101JA01D Murata GRP1555C1H101JD01E SAMSUNG_ELECTRO CL05C101JB5NNNC SAMSUNG_ELECTRO CL05C101JBNC SAMSUNG_ELECTRO CL05C101J[F]BNC VISHAY VJ0402A101FXAA[T]C Walsin 0402N101J500[C]LT Walsin 0402N101J500CT Yageo (Brightking) CC0402JRNPO9BN101
Cap., 1uF, 50V, X5R/X7R, 10%, 0603	2	C278, C57,	Murata GRM188R61H105KAALD SAMSUNG_ELECTRO CL10A105KB8NNNC Taiyo_yuden UMK107BJ105KA-T TDK C1608X5R1H105K080AB Yageo (Brightking) CC0603KRX5R9BB105
Cap., 220pF, 50V, NPO, 0603, 10%	3	C29, C42, C43,	Kemet (Yageo) C0603C221[G]J[K]5GACTU Kemet (Yageo) C0603C221K5GAC(7867) Kemet (Yageo) C0603C221K5GAC7867 SAMSUNG_ELECTRO CL10C221JB8NFNC SAMSUNG_ELECTRO CL10C221JB8NNNC SAMSUNG_ELECTRO CL10C221J[J]K[B8NF]NJC VISHAY VJ0603A221[G]J[K]XAPW1BC VISHAY VJ0603A221KXAA Walsin 0603N221J500CT Walsin 0603N221J[J]K500CT Yageo (Brightking) CC0603JRNPO9BN221
Cap., 2.2nF, 50V, X7R, 10%, 0402	4	C111, C128, C133, C150,	AVX 04025C222KAT2A Epcos B37921K0222K60 Kemet (Yageo) C0402C222K5RAC Murata GRM155R71H222KA01D Murata GRP155R71H222KA01E SAMSUNG_ELECTRO CL05B222KB5NNNC TDK C1005X7R1H222KT VISHAY VJ0402Y222KXAAT Walsin 0402B222K500CT Yageo (Brightking) CC0402KRX7R9BB222
Res., 0R, 5%, 0402, 1/16W	68	R100, R106, R137, R1378, R1379, R138, R1391, R1396, R140, R141, R142, R143, R145, R150, R156, R158, R160, R161, R163, R165, R168, R174, R177, R178, R179, R181, R192, R196, R197, R198, R199, R201, R202, R203, R207, R208, R210, R215, R216, R217, R220, R223, R225, R228, R23, R230, R231, R239, R242, R245, R246, R247, R248, R276, R28, R299, R301, R303, R348, R349, R36, R41, R51, R63, R78, R83, R893, R99,	Fenghua RC-02000J/T PDC FCR02JV000 Royalohm 0402WGF000TCE SAMSUNG_ELECTRO RC1005J000CS TY-OHM RCM0402-1/16W-0R-J Walsin WR04X000PTL Yageo (Brightking) RC0402JR-070R Yageo (Brightking) RC0402JR-070RL
Res., 6.2R, 1%, 0402, 1/16W	1	R39,	SAMSUNG_ELECTRO RC1005F6R2CS VISHAY CRCW04026R20FKED Walsin WR04W6R20FTL Yageo (Brightking) RC0402FR-076R2L
Res., 0.75R, 1%, 0402, 1/16W (current sense)	1	R65,	Panasonic_Industrial ERJ-2BQFR75X ROHM UCR01MVPFLR750 Tyco (TE) RLP73K1ER75FTDF VISHAY RCWE0402R750FKEA Yageo (Brightking) PT0402FR-070R75L
Res., 100R, 1%, 0402, 1/16W	3	R32, R33, R34,	Fenghua RC-02K1000FT PDC FCR02FV1000 Royalohm 0402WGF1000TCE SAMSUNG_ELECTRO RC1005F1000CS TY-OHM RCM0402-1/16W-100R-F Walsin WR04X1000FTL Yageo (Brightking) RC0402FR-07100R Yageo (Brightking) RC0402FR-07100RL
Res., 1K, 1%, 0402, 1/16W	7	R109, R126, R265, R266, R267, R268, R884,	Fenghua RC-02K1001FT PDC FCR02FV1001 Royalohm 0402WGF1001TCE SAMSUNG_ELECTRO RC1005F1001CS TY-OHM RCM0402-1/16W-1K-F Walsin WR04X1001FTL Yageo (Brightking) RC0402FR-071KL

Res., 10K, 1%, 0402, 1/16W	53	R102, R113, R119, R124, R127, R135, R136, R1375, R1380, R1381, R1382, R1383, R1384, R1385, R1388, R1389, R1393, R146, R149, R17, R172, R222, R229, R235, R243, R252, R31, R313, R314, R315, R316, R319, R320, R321, R325, R327, R328, R329, R340, R341, R350, R52, R54, R56, R61, R64, R69, R70, R71, R76, R89, R891, R9,	Fenghua RC-02K1002FT PDC FCR02FV1002 Royalohm 0402WGF1002TCE SAMSUNG_ELECTRO RC1005F1002CS TY-OHM RCM0402-1/16W-10K-F Walsin WR04X1002FTL Yageo (Brightking) RC0402FR-0710K0 Yageo (Brightking) RC0402FR-0710KL
Res., 100K, 1%, 0402, 1/16W	4	R108, R114, R115, R128,	Fenghua RC-02K1003FT Royalohm 0402WGF1003TCE SAMSUNG_ELECTRO RC1005F1003CS Walsin WR04X1003FTL Yageo (Brightking) RC0402FR-07100KL
Res., 1M, 5%, 0402, 1/16W	2	R153, R236,	Fenghua RC-02K105JT Royalohm 0402WGJ0105TCE SAMSUNG_ELECTRO RC1005J105CS Walsin WR04X105_JTL Yageo (Brightking) RC0402JR-071ML
Res., 10M, 5%, 0402, 1/16W	1	R237,	PDC FCR02JV106 Royalohm 0402WGF1005TCE Royalohm 0402WGJ0106TCE SAMSUNG_ELECTRO RC1005J106CS TY-OHM RCM0402-1/16W-10M-J Walsin WR04X106_JTL Yageo (Brightking) RC0402JR-0710M Yageo (Brightking) RC0402JR-0710ML
Res., 1.2K, 1%, 0402, 1/16W	1	R171,	SAMSUNG_ELECTRO RC1005F122CS Walsin WR04X1201FTL Yageo (Brightking) RC0402FR-071K2L
Res., 12.4K, 1%, 0402, 1/16W	1	R125,	SAMSUNG_ELECTRO RC1005F1242CS Walsin WR04X1242FTL Yageo (Brightking) RC0402FR-0712K4L
Res., 15K, 1%, 0402, 1/16W	1	R122,	PDC FCR02FV1502 SAMSUNG_ELECTRO RC1005F1502CS SAMSUNG_ELECTRO RC1005F153CS TY-OHM RCM0402-1/16W-15K-F Walsin WR04X1502FTL Yageo (Brightking) RC0402FR-0715K Yageo (Brightking) RC0402FR-0715KL
Res., 2K, 1%, 0402, 1/16W	1	R111,	SAMSUNG_ELECTRO RC1005F2001CS Walsin WR04X2001FTL Yageo (Brightking) RC0402FR-072KL
Res., 20K, 1%, 0402, 1/16W	2	R152, R270,	Fenghua RC-02K2002FT PDC FCR02FV2002 Royalohm 0402WGF2002TCE SAMSUNG_ELECTRO RC1005F2002CS TY-OHM RCM0402-1/16W-20K0-F Walsin WR04X2002FTL Yageo (Brightking) RC0402FR-0720K Yageo (Brightking) RC0402FR-0720KL
Res., 200K, 1%, 0402, 1/16W	6	R323, R324, R887, R889, R890, R897,	Fenghua RC-02K2003FT PDC FCR02FV2003 Royalohm 0402WGF2003TCE SAMSUNG_ELECTRO RC1005F2003CS TY-OHM RCM0402-1/16W-200K-F Walsin WR04X2003FTL Yageo (Brightking) RC0402FR-07200K Yageo (Brightking) RC0402FR-07200KL
Res., 215K, 1%, 0402, 1/16W	1	R116,	VISHAY CRCW0402215KFED Yageo (Brightking) RC0402FR-07215KL
Res., 220R, 5%, 0402, 1/16W	1	R35,	PDC FCR02JV221 SAMSUNG_ELECTRO RC1005J221CS TY-OHM RCM0402-1/16W-220R-J Walsin WR04X221_JTL Yageo (Brightking) RC0402JR-07220R Yageo (Brightking) RC0402JR-07220RL
Res., 2.2K, 5%, 0402, 1/16W	5	R104, R105, R1386, R1387, R75,	Royalohm 0402WGF2201TCE Royalohm 0402WGJ0222TCE SAMSUNG_ELECTRO RC1005J222CS Walsin WR04X222_[F]JTL Walsin WR04X222_FTL Walsin WR04X222_JTL Yageo (Brightking) RC0402JR-072K2L
Res., 27.4K, 1%, 0402, 1/16W	1	R264,	Royalohm 0402WGF2742TCE SAMSUNG_ELECTRO RC1005F2742CS Walsin WR04X2742FTL Yageo (Brightking) RC0402FR-0727K4L
Res., 32.4K, 1%, 0402, 1/16W	1	R120,	SAMSUNG_ELECTRO RC1005F3242CS Walsin WR04X3242FTL Yageo (Brightking) RC0402FR-0732K4L
Res., 33R, 5%, 0402, 1/16W	1	R20,	Fenghua RC-02K330JT Fenghua RC-02[K]W330JT PDC FCR02JV330 Royalohm 0402WGJ0330TCE SAMSUNG_ELECTRO RC1005J330CS TY-OHM RCM0402-1/16W-33R-J Walsin WR04X330_JTL Yageo (Brightking) RC0402JR-0733R Yageo (Brightking) RC0402JR-0733RL
Res., 40.2K, 1%, 0402, 1/16W	2	R110, R123,	Royalohm 0402WGF4022TCE SAMSUNG_ELECTRO RC1005F4022CS Walsin WR04X4022FTL Yageo (Brightking) RC0402FR-0740K2L
Res., 47K, 5%, 0402, 1/16W	4	R18, R19, R256, R27,	PDC FCR02JV473 SAMSUNG_ELECTRO RC1005J473CS TY-OHM RCM0402-1/16W-47K-J Walsin WR04X473_JTL Yageo (Brightking) RC0402JR-0747K Yageo (Brightking) RC0402JR-0747KL
Res., 475R, 1%, 0402, 1/16W	4	R46, R47, R48, R49,	Fenghua RC-02K4750FT PDC FCR02FV4750 Royalohm 0402WGF4750TCE SAMSUNG_ELECTRO RC1005F4750CS TY-OHM RCM0402-1/16W-475R-F Walsin WR04X4750FTL Yageo (Brightking) RC0402FR-07475R Yageo (Brightking) RC0402FR-07475RL
Res., 4.75K, 1%, 0402, 1/16W	4	R189, R190, R191, R194,	Fenghua RC-02K4751FT Royalohm 0402WGF4751TCE SAMSUNG_ELECTRO RC1005F4751CS Walsin WR04X4751FTL Yageo (Brightking) RC0402FR-074K75L
Res., 49.9K, 1%, 0402, 1/16W	1	R117,	SAMSUNG_ELECTRO RC1005F4992CS Walsin WR04X4992FTL Yageo (Brightking) RC0402FR-0749K9L
Res., 5.62K, 1%, 0402, 1/16W	4	R21, R22, R25, R26,	PDC FCR02FV5621 SAMSUNG_ELECTRO RC1005F5621CS TY-OHM RCM0402-1/16W-5K62-F Walsin WR04X5621FTL Yageo (Brightking) RC0402FR-075K62 Yageo (Brightking) RC0402FR-075K62L
Res., 60.4R, 1%, 0402, 1/16W	4	R332, R333, R343, R346,	Fenghua RC-02K60R4FT Fenghua RC-02[K]W60R4FT PDC FCR02FV60R4 Royalohm 0402WGF604JTCE SAMSUNG_ELECTRO RC1005F60R4CS TY-OHM RCM0402-1/16W-60R4-F Walsin WR04X60R4FTL Yageo (Brightking) RC0402FR-0760R4 Yageo (Brightking) RC0402FR-0760R4L
Res., 680R, 1%, 0402, 1/16W	3	R112, R148, R16,	SAMSUNG_ELECTRO RC1005F680RCS Walsin WR04X6800FTL Yageo (Brightking) RC0402FR-07680RL
Res., 9.1K, 1%, 0402, 1/16W	2	R107, R144,	Royalohm 0402WGF9101TCE SAMSUNG_ELECTRO RC1005F9101CS Walsin WR04X9101FTL Yageo (Brightking) RC0402FR-079K1L
Res., 0R, 1206	3	R67, R68, R73,	SAMSUNG_ELECTRO RC3216F000CS VISHAY CRCW1206-100-000-JCS Walsin WR12X000PTL Yageo (Brightking) RC1206JR-070R Yageo (Brightking) RC1206JR-070RL
Res., Array, 10K, 8P4R, 5%, 0805	3	RN17, RN7, RN8,	BOURNS CAY10-103J4LF CAL-CHIP CN24J103CT Panasonic Industrial EXB-N8V103JX Royalohm 4D02WGJ0103TCE SAMSUNG_ELECTRO RP104PJ103CS TA-I CN24JTN103 Walsin WA04X103_JTL Yageo (Brightking) YC124JR-0710K Yageo (Brightking) YC124JR-0710KL
SWITCH, Push-B,Tact, 6x6 mm, 4.3mm High, SMT	3	SW5, SW6, SW7,	APEM-MORS ADTSM61NVTR APEM-MORS MJTP1122B Canal Electronics DTSM61N DAEJIN 1102S DIPTRONICS DTSM61N DIPTRONICS DTSM-61N-V-T/R Switronic 1102W
Fuse, Resettable PTC, 1.1A 1h, 2.2A 1t	1	F4,	BOURNS MF-NSMF110-2 Fuzetec F5MD110-1206R Inpaq PFS1206I110S LittleFuse 1206L110-CWR LittleFuse 1206L110-CVR LittleFuse 1206L110THYR Tyco (TE) nanoSMDC110F-2
Terminal Block, Pluggable, Header, 5P, 3.81mm pitch, RA, TH	1	P4,	Kunacon HACH381055R0K
Conn., DC Jack, 5.5/2.5mm ext/int Dia., TH, 20V/10A	1	J2,	Contact Technology DC-081HS(-2.5) Contact Technology DC-081HS-2.5 CUI PJ-082BH Sinotech SJDC021-L Sinotech SJDC021-TR Technik TDC-081HS (TDC-081HS-2.5MM-PA6T-1AG-1) TTAf DC-101 (Tape and Reel)

Conn., Audio Jack, Stereo, 3.5mm, with switch	3	J6, J7, J8,	SC_Precision SCJ305P00DG0BP9G SC_Precision SCJ305P00DS0B00G
Conn., Micro-USB, B-Type, Rec, RA, with optional pegs	1	P13,	Amco 211-100521-002 Mainsuper AV4-AA-005-K0 {UCNRB005E005-0} Morethanall MISB-SWPR-5B-LF Walta D03-0718-05002
Conn., RJ11, Phone Jack, 6P6C, RA, TH	3	P16, P18, P19,	Astron 17-01041-66-1G-R Bel-Fuse SS-6466-NF CVILux CJ366621100 Oupiin 8949-D66/06BNA Oupiin 8949-D66/6BLK XW_Connectors XW-901-109 5921
Conn., USB3 Type A, FEM, RA, PC Mount, SMT	1	J3,	Antenk U3AFM01-I-P-P-G0-D Contact Technology SUA-110M2-30-S081 Contact Technology SUA-110M2-30-S277 Genesis 210-10043-01 Most Well R2U3AHM-HSAFS1B87A01
Conn., HDMI-A, Rec, RA, th pins	1	P14,	Astron 369FA19-0N008T-H Astron 369FA19-0N008T-[H R] Astron 369FA19-0N008T-R CZT A111912-Q-01-R CZT A111926-B-01-R CZT HLHDMIAFCG1NTRA
Conn., Type C, FEM, RA, Full SMT	1	J5,	Molex 105450-0[0]1J01 Molex 105450-0101
Conn., Micro-SD, Push/pull type, With Card Detect, SMT	1	P23,	Molex 105162-0001 Molex 105162-0101 Molex 105162-[10]01J01
Conn., RJ45, W/1GB-T mag and G/Y LED, RA, TH	2	P26, P6,	GLGNET NLFA1T802-GL/YR LINK-PP LPJG0801AHNL Prosper_Electronics PRJ-G111083NL SJC 9805-81024-130D-LOT3-A Speed_Tech P65-101-[1]2JAK9 Speed_Tech P65-101-1AK9 Speed_Tech P65-101-2AK9 UDE RB1-125BAK1A UNE (B-TOP) B5002-32G8-09-A223-B12 UNE (B-TOP) B50(02-32)G8-09-A223-B11S12 UNE (B-TOP) B5002-32G8-09-A223-B52
Conn., W2B, Rec, 30pos, 0.4mm pitch, PCB	2	P47, P48,	I-PEX 20682-030E-02 I-PEX 20682-030E-02(-S)
Conn., Mini-PCIe socket, Card H=7.5mm (9.9mm connector body), Black	1	P9,	Astron 3594052-00017T-R Lotes AAA-PCI-093-K01 Lotes AAA-PCI-093-[K P]01(_A) Lotes AAA-PCI-093-P01 Lotes AAA-PCI-093-P01_A Molex 48338-0099 Most Well RMW8105299220 Tyco (TE) 1759546-1
Conn., FPC, 0.5mm, 8 cont, RA, Upside contact, SMT	1	P45,	Tyco (TE) 1734839-8
Conn., FPC, 1mm, 8 cont, RA, Upside contact, SMT	1	P5,	Tyco (TE) 84953-8
Conn., FPC, 0.5mm, 22 cont, RA, Upside contact, SMT	2	P49, P50,	AMPHENOL (FCI) SFV22R-2STBE1HLF
Conn., FPC, 0.5mm, 30 cont, RA, Upside contact, SMT	1	P22,	Tyco (TE) 3-1734839-0
Conn., FPC, 0.5mm, 40 cont, RA, Upside contact, SMT	1	P11,	Pinrex 979-43-94020A Tyco (TE) 4-1734839-0
PCB, SB-iMX8PLUS, Rev 1.0	1	PCB1,	Print-Electronics 188C03910, IMG Suntak 188C03910, IMG Unitech 188C03910, IMG
Conn., Header, 1x 2, 100MIL, TH, JP2, 3mm tail, 6mm mating length	12	E10, E11, E14, E18, E21, E22, E23, E4, E6, E7, E8, E9,	Archtech_Electronics TD-02ST Astron 27-010[3]6JH-102-1G-R CVILux CH31-02-2-V-1-00 Harwin M20-9770206 Jih_Vei_Electronics 21B1164-02S10-01G-6/3 Keltron-KCC PH1-02S-G Major_League_Electronics TSHS-102-S-08-A-T MAXCONN 210-V-B-02-A-1 Oupiin 2011-1X2GS Wieson 2100-1*2ST1
Conn., Header, 1x3, 100MIL, TH, JP3, 3mm tail, 6mm mating length, 1.5mm insulator height	1	E2,	Jih_Vei_Electronics 21B11564-03S10B-01G-6/3 Jih_Vei_Electronics 21B1164-03S10-01G-6/3 (ROHS)
Conn., Header, 2x 5, 100MIL, TH, DR10, 3mm tail, 6mm mating length	1	P7,	Archtech_Electronics TDB-10ST Astron 27-0106H-205-1G-R CVILux CH81-10-2-V-1-00 Harwin M20-9760506 Jih_Vei_Electronics 21B22564-10S10B-01G-6/3 Jih_Vei_Electronics B2264-10S10-01G (ROHS) Keltron-KCC PH2-10S-G Major_League_Electronics TSHS-105-D-08-A-T MAXCONN 220-V-B-05-A-1 Oupiin 2011-2X5GS Wieson 2100-2*5ST1
Conn., Header, 2x 5, 100MIL, SMT, DR10, 6mm mating length	1	P27,	AMP (TE) 146130-4 Archtech_Electronics TDE-10MG CVILux CH81T02M10[1]2[3] OP FCI (AMPHENOL) 54202-T08-10P FCI (AMPHENOL) 71276-210HT FCI (AMPHENOL) 95278-401B10 Harwin M20-8860522 Jih_Vei_Electronics 21N22564-10M10B-01G-6/1.5-C*B Jih_Vei_Electronics N2264-10M15-01G (ROHS) Jih_Vei_Electronics N2264-10M15-01T Major_League_Electronics TSHSM-105-D-06-T-V-P Neltron 2213SMD-10T Oupiin 2015-2X5TD/L2 Samtec TSM-105-01-T-DV-M
Conn., Header, 2x17, 100MIL, SMT, 6mm mating length	1	P25,	Archtech_Electronics TDE-34MG FCI (AMPHENOL) 54202-T08-34P FCI (AMPHENOL) 95278-401B34LF Harwin M20-8861722 Jih_Vei_Electronics 21N22564-34M10B-01G-6/1.5 -C Jih_Vei_Electronics N22564-34M15B-01G Jih_Vei_Electronics N2264-34M15-01T Major_League_Electronics TSHSM-117-D-06-T-V-P Neltron 2213SMD-34T Oupiin 2015-2X17TD/L2 Samtec TSM-117-01-DV-M
Socket, Micro-Sim, SMT, 6pin	1	P20,	GCT SIM7050-6-0-00-A
Socket, SODIMM-204, DDR3, 204 pin, RA, H=5.2mm	1	P1,	CWE CDDR3-CA0441-204B31 FIT (Foxconn) AS0A621-H2SB-7H Linktek (Argosy) MION-204-05CB TR Lotes AAA-DDR-109-K01 Tyco (TE) 2-2013289-1
Battery holder for 2032 button battery. TH	1	BH1,	Amco 562-2T1 AUK BH203202-HH AUK BH20D66 AUK BH20D66 (ROHS) PDI-connectors PDI-2032-0
Battery, Lithium, Cell 20x3.2mm, 3V, 210mAh, 2032	1	BT1,	Maxell CR2032 RENATA CR2032 MFR RENATA CR2032 MFR(IB SC) RENATA CR2032 MFRSC
Spacer, Round, Tapped, M2 Threaded, H=3.0mm, SMT	3	SP1, SP2, SP3,	MAC8 2SSB-3.0 TaiHeShuo (Guan Mei) 403-0204-0030-001-C+403-0700-0026-001 TaiHeShuo (Guan Mei) 403-0700-0018