

Part PN	Part Name	Refs	MFG Parts
190Z00300S	Battery holder for 16mm cell battery, H=4mm max, SMT	BH1	KST MY-1632-02-R {KST-1618} RENATA SMTM1632.TR
210C30006	Battery, Lithium, Cell 16x3.2mm, 3V, 120mAh, 1632, -30C+80C	BT1	Any_Mfg 16x3.2mm, 3V, 120mAh, 1632, -30C+80C Any_Mfg CR1632 {-20+70C, 120-140mAh} JL_World (Sener) SBR1632 Panasonic_batteries BR-1632/DBN
151B10400S	Cap., 100nF, 10V, X7R/X5R, 10%, 0402	C100, C101, C127, C141, C143, C144, C146, C148, C152, C158, C161, C174, C189, C192, C193, C195, C197, C200, C211, C231, C232, C249, C255, C258, C260, C268, C269, C27, C270, C272, C274, C276, C277, C28, C31, C32, C33, C34, C35, C371, C373, C51, C55, C59, C61, C62, C63, C64, C66, C68, C70, C71, C73, C74, C75, C76, C77, C78, C79, C84, C86, C92, C93, C94, C95, C98, 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 CL05A104KO5NNNC SAMSUNG_ELECTRO CL05A104K[O P]5NNN[C E] SAMSUNG_ELECTRO CL05A104KP5NNNC SAMSUNG_ELECTRO CL05A104KP5NNNC SAMSUNG_ELECTRO CL05B104KO5NNNC SAMSUNG_ELECTRO CL05B104K[O P]5NNN[C E] SAMSUNG_ELECTRO CL05B104KP5NNNC SAMSUNG_ELECTRO CL05B104KP5NNND SAMSUNG_ELECTRO CL05B104KPNC Taiyo_yuden LMK105BJ104KV-F TDK C1005JB1A104KT TDK C1005X7R1C104K050BC Walsin 0402B104K100CT Walsin 0402[B X]104K100CT Walsin 0402X104K100CT Yageo (Brightking) 2238 247 156 49 Yageo (Brightking) CC0402KRX[5 7]R6BB104 Yageo (Brightking) CC0402KRX[5 7]R6BB104 Yageo (Brightking) CC0402KRX5R6BB104 Yageo (Brightking) CC0402KRX7R6BB104

151D10100S	Cap., 100pF, 0402, NPO, 50V, 5% or 1%	C54	Fenghua 0402CG101F500NT Fenghua 0402CG101[F J]500NT Fenghua 0402CG101J500NT Kemet (Yageo) C0402C101F5GAC Murata GRM1555C1H101JA01D Murata GRP1555C1H101JD01E SAMSUNG_ELECTRO CL05C101JB5NNNC SAMSUNG_ELECTRO CL05C101JBNC SAMSUNG_ELECTRO CL05C101[J F]BNC VISHAY VJ0402A101FXAA[T C] Walsin 0402N101J500[C L]T Walsin 0402N101J500CT Yageo (Brightking) CC0402JRNPO9BN101
151C10300S	Cap., 10nF, 25V, X7R, 10%, 0402	C53	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) CC0402KRX7R9BB103
151B10600S	Cap., 10uF, 10V, X5R, 20%, 0402	C14, C15, C16, C17, C60, C69	CAL-CHIP GMC04X5R106M10NT EYANG C0402X5R106M100NTC Fenghua 0402X106M100NT SAMSUNG_ELECTRO CL05A106MP5NUNC SAMSUNG_ELECTRO CL05A106MP5N[U R][B8 NC] Walsin 0402X106M100CT
151C10610S	Cap., 10uF, 16V, X5R/X7R, 20%, 0603	C52, C56, C85, C87, C91	CAPAX 0603B106[K M]160SNT Fenghua 0603X106[K M]160NT Fenghua 0603X106M160NT Murata 1GRM188C81C106MA73D SAMSUNG_ELECTRO CL10A106MO8NQNC Taiyo_yuden EMK107BBJ106MA-T Taiyo_yuden EMK107BJ106MA-T TDK C1608X5R1C106M080AB Thunder 0603X106M160CT
151C10611S	Cap., 10uF, 25V, X5R/X7R, 20%, 0603	C245	Murata GRM188R61E106MA73D SAMSUNG_ELECTRO CL10A106MA8NRNC TDK C1608X5R1E106M080AC
151D10630S	Cap., 10uF, 50V, X7R, 20%, 1206	C162, C163	CAL-CHIP GMC31X7R106K50NT SAMSUNG_ELECTRO CL31B106KBHNNNE TDK C3216X7R1H106K160AC

151B10610S	Cap., 10uF, 6.3V, X5R/X7R, 20%, 0603	C194, C20, C201, C225, C230, C237, C36, C37, C72	Kemet (Yageo) C0603C106[K M]9PAC Murata GRM188R60J106ME47D SAMSUNG_ELECTRO CL10A106[K M]Q8NNNC SAMSUNG_ELECTRO CL10A106KQ8NNNC SAMSUNG_ELECTRO CL10A106MQ8NNNC 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) CC0603MRX5R5BB106
151E10680S	Cap., 10uF, =>63V, X7R, 20%, 1210	C177, C178, C186, C187, C198, C199, C378, C379	Murata GRM32ER71J106KA12L Murata GRM32ER71J106[K M]A12L Murata GRM32ER71J106MA12L SAMSUNG_ELECTRO CL32B106KMVNNWE
151D15000S	Cap., 15pF, 50V, NPO, 5%, 0402	C234, C252	AVX 04025A150JAT2A Epcos B37920K5150J60 Fenghua 0402CG150J500NT Kemet (Yageo) C0402C150J5GAC Murata GRM1555C1H150JA01D Murata GRP15X5C1H150JD11E SAMSUNG_ELECTRO CL05C150JB[3 5]NNNC SAMSUNG_ELECTRO CL05C150JB3NNNC SAMSUNG_ELECTRO CL05C150JB5NNNC TDK C1005C0G1H150JT VISHAY VJ0402A150XAAC Walsin 0402N150J500[C L]T Walsin 0402N150J500CT Walsin 0402N150J500LT
151D18000S	Cap., 18pF, 50V, NPO, 5%, 0402	C81, C83	CAL-CHIP GMC04CG180J50NT CAL-CHIP GMC04CG180J50NT(LF) Fenghua 0402CG180J500NT Kemet (Yageo) C0402C180[J F]5GAC Murata GRM1555C1H180JA01D SAMSUNG_ELECTRO CL05C180JB5NNNC VISHAY VJ0402A180[F J]XAA[T C] Walsin 0402N180J500[C L]T Walsin 0402N180J500CT Walsin 0402N180J500LT
151C10500S	Cap., 1uF, 16V, X5R/X7R, 10%, 0402	C176, C182, C185, C24, C257, C26, C261	CAL-CHIP GMC04X5R105K16NT(LF) Fenghua 0402X105K160NT SAMSUNG_ELECTRO CL05A105K05NNNC Taiyo_yuden EMK105BJ105KV-F TDK C1005X5R1C105K050BC Walsin 0402[B X]105K[160 250]CT

151D10510S	Cap., 1uF, 50V, X5R/X7R, 10%, 0603	C22, C278, C57, C96	Murata GRM188R61H105KAAALD SAMSUNG_ELECTRO CL10A105KB8NNNC Taiyo_yuden UMK107BJ105KA-T TDK C1608X5R1H105K080AB Yageo (Brightking) CC0603KRX5R9BB105
151B10500S	Cap., 1uF, 6.3V, X5R/X7R, 20%, 0402	C1, C10, C11, C12, C13, C140, C142, C149, C18, C19, C2, C202, C244, C3, C4, C5, C6, C7, C8, C9	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) CC0402KRX5R5BB105
151E22410S	Cap., 220nF, 100V, X7R/X7S, 20%, 0603	C207	CAPAX 0603X224K101SNT Taiyo_yuden HMK107C7224KAHTE Taiyo_yuden MBASH168SC7224KTCA01
151C22400S	Cap., 220nF, 16V, X7R/X5R, 0402, 10%	C291, C58, C97	Murata GRM155R71C224KA12D SAMSUNG_ELECTRO CL05B224KO5NNNC Taiyo_yuden EMK105BJ224KV-F TDK C1005X5R1C224K050BB TDK C1005X5R1C224KT TDK CGA2B3X7R1E224K050BE Thunder 0402X224K160CT Walsin 0402B224K160CT Walsin 0402X224K6R3CT Wurth 885012105017 Yageo (Brightking) CC0402KRX5R[7 8]BB224 Yageo (Brightking) CC0402KRX5R7BB224
151D22110S	Cap., 220pF, 50V, NPO, 0603, 10%	C235, C264	Kemet (Yageo) C0603C221[G J]KJ5GACTU Kemet (Yageo) C0603C221K5GAC(7867) Kemet (Yageo) C0603C221K5GAC7867 SAMSUNG_ELECTRO CL10C221JB8NFNC SAMSUNG_ELECTRO CL10C221JB8NNNC SAMSUNG_ELECTRO CL10C221[J K]B8N[F N]NC VISHAY VJ0603A221[G J]KJXAPW1BC VISHAY VJ0603A221KXAAC Walsin 0603N221J500CT Walsin 0603N221[J K]500CT Yageo (Brightking) CC0603JRNPO9BN221

151D22200S	Cap., 2.2nF, 50V, X7R, 10%, 0402	C172, C180, C191, C206	AVX 04025C222KAT2A CAL-CHIP GMC04X7R222K50NT Epcos B37921K0222K60 Fenghua 0402B222K500NT Kemet (Yageo) C0402C222K5RAC Murata GRM155R71H222KA01D Murata GRP155R71H222KA01E SAMSUNG_ELECTRO CL05B222KB5NNNC TDK C1005X7R1H222K050BA TDK C1005X7R1H222KT VISHAY VJ0402Y222KXAAT Walsin 0402B222K500CT Yageo (Brightking) CC0402KRX7R9BB222
151B22500S	Cap., 2.2uF, 10V, X5R, 10%, 0402	C239, C254, C262	CAL-CHIP GMC04X5R225K10NT Murata GRT155R61A225KE01D SAMSUNG_ELECTRO CL05A225KP5NNNC SAMSUNG_ELECTRO CL05A225KP5N[N S]JNC SAMSUNG_ELECTRO CL05A225KP5NSNC TDK C1005X5R1A225K050BC Walsin 0402X225K100CT Yageo (Brightking) CC0402KRX5R6BB225
151C22620S	Cap., 22uF, 25V, X5R/X7R, 20%, 0805	C253	Murata GRM21BR61E226ME44L SAMSUNG_ELECTRO CL21A226MAQNNNE SAMSUNG_ELECTRO CL21A226MA[Q Y]JNNNE SAMSUNG_ELECTRO CL21A226MAYNNNE TDK C2012X5R1E226M125AC Yageo (Brightking) CC0805MKX5R8BB226
151B22610S	Cap., 22uF, 6.3V, X5R/X6S, 20%, 0603	C164, C165, C166, C167, C175, C179, C181, C188, C190, C203	Murata GRM188R60J226MEA0D Murata GRM188R60J226MEA0[D J] Murata GRM188R60J226MEA0J SAMSUNG_ELECTRO CL10A226MQ8NRNC SAMSUNG_ELECTRO CL10A226MQ8NRN[C E] SAMSUNG_ELECTRO CL10A226MQ8NRNE TDK C1608X5R0J226M080AC
151A22500S	Cap., 2.2uF, 6.3V, X5R/X7R, 20%, 0402	C104	AVX 04026D225[K M]AT2A Murata GRM155R60G225ME15D Murata GRM155R60J225ME[15 95][J D] Murata GRM155R60J225ME15D Murata GRM155R60J225ME95J Panasonic_Industrial ECJ0EB0J225M SAMSUNG_ELECTRO CL05A225[K M]Q5NNNC SAMSUNG_ELECTRO CL05A225[K M]Q5NSNC SAMSUNG_ELECTRO CL05A225MQ5NSNC SAMSUNG_ELECTRO CL05C270[J F]B5NNNC Taiyo_yuden JMK105[BJ C6]225[K M]V-F

151B47500S	Cap., 4.7uF, 10V, 20%, X5R, 0402	C138, C139, C23, C233, C240, C241, C247, C248, C25, C251, C256, C259, C265, C266, C267, C271, C273, C275	Murata GRM155R61A475MEAAD SAMSUNG_ELECTRO CL05A475KP5NRNC TDK C1005X5R1A475K050BC Yageo (Brightking) CC0402KRX5R6BB475
154A687D0S	Cap., 680uF, 4V, TANT7343, Std profile, Low ESR 12mohm, 20%	C250	Kemet (Yageo) T520D687M004ATE012 NIC NTP687M4TRD(12)F VISHAY T55D687M004C0007 VISHAY T55D687M004C000[7 8 9] VISHAY T55D687M004C0008 VISHAY T55D687M004C0008 VISHAY T55D687M004C0009
180K00401S	Conn., Audio Jack, Stereo, 3.5mm, with switch	J5, J6	SC_Precision SCJ305P00DG0BP9G SC_Precision SCJ305P00DS0B00G
182K04005S	Conn., B2B, 2x20 cont., P:0.4mm, Mating H=3mm, Rec	P9	Hirose DF40HC(3.0)-40DS-0.4V(51) Hirose DF40HC3.0-40DS-0.4V51
182K10005S	Conn., B2B, 2x50 cont., P:0.4mm, Mating H=3mm, Rec	P1, P2	Hirose DF40HC(3.0)-100DS-0.4V(51) Hirose DF40HC3.0-100DS-0.4V51
180K00200	Conn., DC Jack, 5.5/2.5mm ext/int Dia., TH, 20V/10A	J1	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}
182K05001S	Conn., Edge, 50pin, Vert, 1.27mm pitch, SMT	J4	Any_Mfg Edge, 50pin, Vert, 1.27mm pitch, SMT EDAC 302-050-399-205 EDAC 802-050-399-205
190C00200	Conn., Header, 1x2, 100MIL, TH, JP2, 3mm tail, 6mm mating length	E1, E2, E3, E4, E6, E7	Archtech_Electronics TD-02ST Astron 27-010[3 6]H-102-1G-R CVILux CH31-02-2-V-1-00 Harwin M20-9770206 Jih_Vei_Electronics 21B1164-02S10-01G-6/3 Jih_Vei_Electronics 21B12564-02S10B-01G-6/3*P Keltron-KCC PH1-02S-G Major_League_Electronics TSHS-102-S-08-A-T MAXCONN 210-V-B-02-A-1 Neltron 2211S-02G-1050H15 Oupiin 2011-1X2GS Wieson 2100-1*2ST1

190C02000S	Conn., Header, 2x10, 100MIL, SMT, DR20, 6mm mating length, W/o posts	P12, P14, P25	Archtech_Electronics TDE-20MG FCI (AMPHENOL) 54202-T08-20P FCI (AMPHENOL) 95278-401B20 Harwin M20-8861022 Jih_Vei_Electronics 21N22564-20M00B-01G-6-C*R Jih_Vei_Electronics N2264-20M15-01TG {ROHS} Major_League_Electronics TSHSM-110-D-06-T-V-P Oupiin 2015-2X10TD/L2 Samtec TSM-110-01-T-DV-M
190C00801S	Conn., Header, 2x 4, 100MIL, SMT, 6mm mating length	P10, P13, P15, P16, P17, P19, P20	AMPHENOL (FCI) 10129383-908001ALF Archtech_Electronics TDE-08MG FCI (AMPHENOL) 54202-T08-08P FCI (AMPHENOL) 95278-401B08 Harwin M20-8860422 Jih_Vei_Electronics 21N22564-08M10B01G6/1.5-C Jih_Vei_Electronics 21N22564-08M10B01G6/1.5-C*R Jih_Vei_Electronics N2264-08M15-01T Major_League_Electronics TSHSM-104-D-06-T-V-P Oupiin 2015-2X4G00D+tape&Reel+cap Oupiin 2015-2X4TD/L2 Samtec TSM-104-01-T-DV-M
190C01000S	Conn., Header, 2x 5, 100MIL, SMT, DR10, 6mm mating length	P11, P18, P24	AMP (TE) 146130-4 Archtech_Electronics TDE-10MG CVILux CH81102M10[1 2 3]-0P 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
185B10010	Conn., Jumper Plug (shunt), 2.54mm (.1") spacing, Gold plated, Black color	JP1, JP2, JP3, JP4, JP6, JP7	CVILux CS01632A100 Jih_Vei_Electronics 27S1002-CLS65B-01G-B-B Jih_Vei_Electronics 27S1002-CLS65[B P]-01G-B-B(P) Jih_Vei_Electronics S1002-CLE65-01G-B Keltron-KCC MJ-5.97-G Keltron-KCC MJ-6.47C-G Krista_Micro 24-872 MAXCONN S100 0 -2 MAXCONN S200 0 -2 Oupiin 2006-A BLK
182K06706S	Conn., M.2 (NGFF), 67pos, 0.5mm pitch, H=6.7mm, M Key	P22	Aces 51743-0750P-012 FIT (Foxconn) AS0BC21-S67BM-LH Lotes APCI0155-P001A

182K01300S	Conn., Micro-SD, Push/pull type, With Card Detect, SMT	P4	Molex 105162-0001 Molex 105162-0101 Molex 105162-[10 01 00]01
180K00501S	Conn., Micro-USB, B-Type, Rec, RA, with optional pegs	P21, P3	Amco 211-100521-002 Mainsuper AV4-AA-005-K0 {UCNRB005E005-0} T&R Walta D03-0718-05002
182K05203S	Conn., Mini-PCle socket, Card H=4.8mm (6.8mm connector body), Black	P8	Concraft 0717A01A68C Lotes AAA-PCI-073-P08 Neltron 6616-52SG-68-TR Tyco (TE) 2041262-1
182K01600	Conn., RJ45, W/1GB-T mag and G/Y LED, RA, TH	P5, P6	GLGNET NLFA1T802-GL/YR LINK-PP LPJG0801AHNL Prosper_Electronics PRJ-G111083NL SJC 9805-81024-130D-LOT3-A Speed_Tech P65-101-[1 2]AK9 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-B[1 5]2 UNE (B-TOP) B5002-32G8-09-A223-B52
180K00902S	Conn., USB3 Type A, FEM, RA, PC Mount, SMT	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-HSAFS1BN87A01
180K00400S	Conn., USB Type A, FEM, RA, PC Mount, SMT	J2	Kingfont USBAS-00401W001 Kingfont USBAS-00401W001{Tape&Reel 7"}
130E05402S	Diode, Schottky, Sgl, BAT54WS, SOD-323	D10, D11, D12, D14, D2	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) 1PS76SB10 ON_Semiconductors BAT54HT1 ON_Semiconductors BAT54HT1G VISHAY BAT54WS-[E G]3-08 VISHAY BAT54WS-GS08 Yangjie Electronic BAT54WS

132D42200S	Diode, TVS, Dual USB 2.0 ESD protection, Low cap (1pF)	U26, U27, U28, U33	AOS AOZ8007CI NXP (Freescale) IP4220CZ6 NXP (Freescale) IP4220CZ6(,125) ON_Semiconductors NUP4301MR6T1G ST DVIULC6-4SC6 Wayon WE05-4RVLC
132D10030S	Diode, TVS, Vrwm=22V, BiDi, 1500W, SMC	D9	BOURNS SMCJ22CA Brightking (Yageo) SMCJ22CA DIODES_Inc (Pericom) SMCJ22CA-13-F FAIRCHILD (ON Semiconductors) SMCJ22CA LittleFuse SMCJ22CA VISHAY SMCJ22CA-E3/9AT Yangjie Electronic SMCJ22CA
142D11801S	EMI Filter, Common mode, With ESD, 60Ohm, USB3 app, SMT	L1, L10, L11, L12, L13, L14, L15, L16, L17, L2, L3, L33, L4, L59, L6, L60, L61, L62, L63, L7	LittleFuse LCFE121002A650TG Murata LXES11DAA2-135 TDK TCE1210U-500-2P-T
147D30000S	Ferrite Bead, 0603, Z=30 Ohm@100Mhz, 5A, 0.01 Ohm DCR, 0603	FB1, FB2	ETRONIC MHC1608S300UA MAX ECHO BCMS160808A300 RDC01 5A Murata BLM18KG300TN1D TDK MPZ1608S300ATAH0 TDK MPZ1608S300AT(AH0 DH5)
147D12102S	Ferrite Bead, Z=120 Ohm@100Mhz, >=500mA, <=0.25 Ohm DCR, 0402	L23, L24, L26, L31	Chilisin (PULSE) SBJ100505T-121Y-N SAMSUNG_ELECTRO CIM05U121NC Taiyo_yuden BK1005HS121-T TDK MMZ1005S121C
147D22101S	Ferrite Bead, Z=220R@100Mhz, 2A, 0.05 Ohm DCR, 0603	FB4	Chilisin (PULSE) PBJ 160808T-221Y-N Laird (Ezurio) MI0603L221R-10 Murata BLM18KG221SN1D TDK MPZ1608S221ATA00 TDK MPZ1608S221AT[A00 D25] Tri-Tron (Sunborn) HTBS160808A221 RDC05
147D60000S	Ferrite Bead, Z=60 Ohm@100Mhz, 2.3A, 0.03 Ohm DCR, 0603	L5	Chilisin (PULSE) UPB160808T-600Y-N MAX ECHO BCMS160808A600 4A Murata BLM18PG600SN1D TDK MPZ1608Y600BTA00 Tri-Tron (Sunborn) HTBS160808A600 RDC03

124S10080S	IC, Analog, 3A power switch with adj. current limit (USB), For ARM platform	U41	JTM CXUS7702SR(MT-G) JTM CXUS7702SRMT-G Richtek RT9703GS Richtek RT9703[P G]S
124S10070S	IC, Analog, 4-Lane DisplayPort DPDT switch, 3.3V, MAX14998, QFN-42	U63	MAXIM (Analog Devices) MAX14998ETO+ MAXIM (Analog Devices) MAX14998ETO+T
116A00640S	IC, Interface, 10/100TX/1000 PHY, RGMII (1.5V<RGMII_VIO	U14	REALTEK RTL8211FD-CG REALTEK RTL8211FD(I)-CG
116A00380S	IC, Interface, CAN transceiver, 5Mbps data rate	U59	Infineon TLE9251VSJXUMA1 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 TI (National Semi) TCAN1057AVDRQ1
116A01020S	IC, interface, Level translator, 2 bit, Bi-Di, for OC and Push-pull, for I2C	U25	NXP (Freescale) NTS0102DP TI (National Semi) TXS0102DCTR TI (National Semi) TXS0102DCTT TI (National Semi) TXS0102DCT[T R](E4 G4)
116A00140S	IC, Interface, USB 2.0 Full Speed to UART bridge	U24	Silicon Labs CP2104-F03-GM(R) Silicon Labs CP2104-F03-GMR
116A72220S	IC, Interface, USB2.0 HS 2:1 multiplexer (DPDT)	U34, U36	Intersil (Renesas) ISL54222AIRUZ-T ON_Semiconductors NLAS7222AMTR2G ON_Semiconductors NLAS7222AMUR2G ON_Semiconductors NLAS7222AMUTAG ON_Semiconductors NLAS7222BMUTAG TOSHIBA TC7USB40MU,LF

123C40000S	IC, Led driver, Step-up, PWM, 2.5-5.5V Vin, 40mA Iout (var), 6-12 LED	U15	DIODES_Inc (Pericom) AP3019AKTR-G1 Yobon YB9285
123C15100S	IC, Led driver, Step-up, PWM, 3-18V Vin, 1.2A Iout (var), SOT-23	U5, U6	TI (National Semi) TPS61165DBV TI (National Semi) TPS61165DBVR TI (National Semi) TPS61165DBVT TI (National Semi) TPS61165DBV(T R)
106D90000S	IC, Logic, 74LVC, Single Schmitt Trigger buffer, 1.65- 5.5V, SC-70	U43	DIODES_Inc (Pericom) 74LVC1G17SE-7 Nexperia 74LVC1G17GW,125 TI (National Semi) SN74LVC1G17MDCKREP
106C20320S	IC, Logic, MicroGate, NC7SZ32, 2 Input OR gate, SC70	U46	DIODES_Inc (Pericom) 74LVC1G32SE-7 FAIRCHILD (ON Semiconductors) NC7SZ32P5X NXP (Freescale) 74LVC1G32GW ON_Semiconductors NC7SZ32P5X ON_Semiconductors NL17SZ32DFT2 ON_Semiconductors NL17SZ32DFT2G ON_Semiconductors NL17SZ32DFT2G(-L22038) TI (National Semi) SN74LVC1G32DCKR TI (National Semi) SN74LVC1G32DCKRE4 TI (National Semi) SN74LVC1G32DCKR(G4 E4) TOSHIBA TC7SZ32FU
111S31000S	IC, Memory, EEPROM, 24C08, 1Kx8, 16-bytes page size, 1.8- 5.5V, I2C interface, DFN-8	U31	ON_Semiconductors CAT24C08HU4I-GT3 Puya P24C08D-UNH-MIR ST M24C08-FMC6TG

116B95550S	IC, Periph, 16-bit I2C and SMBus GPIO I/O expander	U35	DIODES_Inc (Pericom) PI4IOE5V9555ZDEX DIODES_Inc (Pericom) PI4IOE5V9555ZDEX(-13R) EXAR (MaxLinear) XRA1201PIL24-F EXAR (MaxLinear) XRA1201PIL24(TR)-F EXAR (MaxLinear) XRA1201PIL24TR-F MAXIM (Analog Devices) MAX7311ATG(+T) NXP (Freescale) PCA9555BS,118 NXP (Freescale) PCA9555HF,118 ON_Semiconductors CAT9555HT6I-GT2 ON_Semiconductors CAT9555HV6I(G)-T2 ON_Semiconductors CAT9555HV6IG-T2 ON_Semiconductors CAT9555HV6I-T2 ON_Semiconductors PCA9655EMTTXG TI (National Semi) PCA9555RGER(G4) TI (National Semi) TCA9555RTWR
117A10070S	IC, Periph., WM8962B, LP Audio Stereo codec, I2S, w/Headphone Amplifier, (1.8-2.5V VIO), BGA-49	U37	Cirrus_Logic WM8962BECSN/R
106I20400S	IC, PLL clock buffer/driver for PCIe Gen 2/3, 1:4	U1	PERICOM (Diodes Inc) PI6C20400HEX PERICOM (Diodes Inc) PI6C20400LE PERICOM (Diodes Inc) PI6C20400LEX
123V4R500S	IC, Volt. Reg. LDO, 500mA, Adjustable 0.8:4.5V, RT9186A	U12	Richtek RT9186AGQV
123V30000S	IC, Volt Reg., Step down, 3A, Vin=4.5V..36V, Vo=0.8V..30V, RT7272B, SOP-8	U29, U30, U32, U40	Richtek RT7272BGSP

147A10001S	Inductor, 10uH, 0.8A, 4x4mm	L34, L8, L9	Delta SI43-100 Murata LQH44PN100MP0L Sunlord SWPA4020S100M Sunlord SWPA4020S100M(T) Sunlord SWPA4020S100MT Taiyo_yuden (LM) NR 4018T 100M Taiyo_yuden LM NR 4018T 100M Taiyo_yuden SWPA4020S100M TDK VLC4018T-100M
147A6R802S	Inductor, 6.8uH, Irms>=4A, Isat>=4A, DCR < 76mohm	L21, L22, L32	BOURNS SRP5030T-6R8M Erocore MPS0530S-6R8M
147A6R803S	Inductor, 6.8uH, Isat=>8A, Irms=>4.5A, DCR<=60mohm, Shielded, SMT	L20	Chilisin (PULSE) BMRA000606306R8MA1 Delta MPT730-6R8M1 TMP FMJ-0630T-6R8 HF
139A10020S	LED, Green, SMT,1206	DS3, DS4	Avago HSMG-C150 Avago HSMG-C151 DIALIGHT 597-3311-407 EVERLIGHT 15-21SYGC/S530-E2/TR8 EVERLIGHT 15-21SYGD/S530-E2/3T EVERLIGHT 15-21SYGD/S530-E2/TR8 EVERLIGHT 15-21/VGC/TR8/T1 EVERLIGHT QTL650D4TR KingBright KP-3216SGC KingBright KP3216SGD 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 QTL650D-4 z#QT_Opto QTL650D-4.TR
139A10110S	LED, Yellow, SMT,1206	DS2, DS5	DIALIGHT 597-3401-407 EVERLIGHT 15-21UYC/S530-A2/3T EVERLIGHT 15-21UYC/S530-A2/TR8 KingBright KP3216YD
188C04550	PCB, SB-UCMIMX95, Rev 1.0	PCB1	Q&D Circuits 188C04550, IMG Suntak 188C04550, IMG Unitech 188C04550, IMG
161G02011S	Res., 0.020R, 1%, 1206, 1/2W (Current sense)	R183	ROHM UCR18EVHFSR020 SAMSUNG_ELECTRO RU3216FR020CS Yageo (Brightking) RL1206FR-070R02L
161C0R751S	Res., 0.75R, 1%, 0402, 1/16W (current sense)	R58, R65	Panasonic_Industrial ERJ-2BQFR75X ROHM UCR01MVPFLR750 Tyco (TE) RLP73K1ER75FTDF VISHAY RCWE0402R750FKEA Yageo (Brightking) PT0402FR-070R75L

161C00005S	Res., 0R, 5%, 0402, 1/16W	R122, R16, R162, R163, R177, R178, R207, R228, R236, R247, R248, R249, R250, R254, R364, R365, R368, R369, R41, R51, R56, R60, R63, R99	Fenghua RC-02000JT PDC FCR02JV000 Royalohm 0402WGJ0000TCE SAMSUNG_ELECTRO RC1005J000CS TY-OHM RCM0402-1/16W-0R-J Walsin WR04X000PTL Yageo (Brightking) RC0402JR-070R Yageo (Brightking) RC0402JR-070RL
161C10031S	Res., 100K, 1%, 0402, 1/16W	R180, R191, R193, R196, R204, R213, R237	Fenghua RC-02K1003FT Royalohm 0402WGF1003TCE SAMSUNG_ELECTRO RC1005F1003CS Walsin WR04X1003FTL Yageo (Brightking) RC0402FR-07100KL
161C10001S	Res., 100R, 1%, 0402, 1/16W	R48	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
161C10021S	Res., 10K, 1%, 0402, 1/16W	R1, R134, R149, R15, R168, R169, R171, R172, R194, R2, R201, R209, R224, R229, R230, R235, R240, R243, R244, R245, R259, R325, R38, R44, R5, R52, R53, R61, R76, R8, R89, R9, R92	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
161D10R05S	Res., 10R, 5%, 0603	R150, R151, R154, R156, R157, R161, R165, R174, R175, R79	PDC FCR03JT100 ROHM MCR03EZHJ100 SAMSUNG_ELECTRO RC1608J100CS Stackpole RMCF0603JT10R0 TY-OHM RCM0603-1/16W-10R-J VISHAY CRCW0603100JRT1 Walsin WR06X100_JTL Yageo (Brightking) RC0603JR-0710R Yageo (Brightking) RC0603JR-0710RL
161C12001S	Res., 120R, 1%, 0402, 1/16W	R6	Fenghua RC-02K1200FT Royalohm 0402WGF1200TCE Walsin WR04X1200FTL Yageo (Brightking) RC0402FR-07120RL
161C12131S	Res., 121K, 1%, 0402, 1/16W	R184	SAMSUNG_ELECTRO RC1005F1213CS Walsin WR04X1213FTL Yageo (Brightking) RC0402FR-07121KL
161C12421S	Res., 12.4K, 1%, 0402, 1/16W	R212	Fenghua RC-02K1242FT SAMSUNG_ELECTRO RC1005F1242CS Walsin WR04X1242FTL Yageo (Brightking) RC0402FR-0712K4L
161C14721S	Res., 14.7K, 1%, 0402, 1/16W	R30	Royalohm 0402WGF1472TCE SAMSUNG_ELECTRO RC1005F1472CS Viking CR-02FL6--14K7 Walsin WR04X1472FTL Yageo (Brightking) RC0402FR-0714K7L

161C15011S	Res., 1.5K, 1%, 0402, 1/16W	R106, R231, R289	PDC FCR02FV1501 Royalohm 0402WGF1501TCE SAMSUNG_ELECTRO RC1005F1501CS TY-OHM RCM0402-1/16W-1K5-F Walsin WR04X1501FTL Yageo (Brightking) RC0402FR-071K5 Yageo (Brightking) RC0402FR-071K5L
161C17821S	Res., 17.8K, 1%, 0402, 1/16W	R187, R197, R222	Royalohm 0402WGF1782TCE SAMSUNG_ELECTRO RC1005F1782CS Walsin WR04X1782FTL Yageo (Brightking) RC0402FR-0717K8L
161C10011S	Res., 1K, 1%, 0402, 1/16W	R200, R203, R219, R62	Fenghua RC-02K1001FT PDC FCR02FV1001 Royalohm 0402WGF1001TCE SAMSUNG_ELECTRO RC1005F1001CS TY-OHM RCM0402-1/16W-1K-F Walsin WR04X1001FTL Yageo (Brightking) RC0402FR-071KL
161C20001S	Res., 200R, 1%, 0402, 1/16W	R90, R91	Fenghua RC-02K2000FT PDC FCR02FV2000 Royalohm 0402WGF2000TCE SAMSUNG_ELECTRO RC1005F2000CS TY-OHM RCM0402-1/16W-200R-F Walsin WR04X2000FTL Yageo (Brightking) RC0402FR-07200R Yageo (Brightking) RC0402FR-07200RL
161C20R51S	Res., 20.5R, 1%, 0402, 1/16W	R239, R241	Fenghua RC-02K20R5FT Fenghua RC-02[K W]20R5FT Royalohm 0402WGF205JTCE SAMSUNG_ELECTRO RC1005F20R5CS Walsin WR04X20R5FTL Yageo (Brightking) RC0402FR-0720R5L
161C22005S	Res., 220R, 5%, 0402, 1/16W	R45	PDC FCR02JV221 SAMSUNG_ELECTRO RC1005J221CS TY-OHM RCM0402-1/16W-220R-J Walsin WR04X221 JTL Yageo (Brightking) RC0402JR-07220R Yageo (Brightking) RC0402JR-07220RL
161C22111S	Res., 2.21K, 1%, 0402, 1/16W	R40	Fenghua RC-02K2211FT Royalohm 0402WGF2211TCE SAMSUNG_ELECTRO RC1005F2211CS Stackpole RMCF0402FT2K21 VISHAY CRCW04022K21FKED Walsin WR04X2211FTL Yageo (Brightking) RC0402FR-072K21L
161C22121S	Res., 22.1K, 1%, 0402, 1/16W	R223	PDC FCR02FV2212 SAMSUNG_ELECTRO RC1005F2212CS TY-OHM RCM0402-1/16W-22K1-F Walsin WR04X2212FTL Yageo (Brightking) RC0402FR-0722K1 Yageo (Brightking) RC0402FR-0722K1L

161C22015S	Res., 2.2K, 5%, 0402, 1/16W	R81, R82, R83, R84	Fenghua RC-02K222JT Royalohm 0402WGF2201TCE Royalohm 0402WGF222TCE SAMSUNG_ELECTRO RC1005J222CS Walsin WR04X222_[F]JTL Walsin WR04X222_FTL Walsin WR04X222_JTL Yageo (Brightking) RC0402JR-072K2L
161C23711S	Res., 2.37K, 1%, 0402, 1/16W	R218	PDC FCR02FV2371 SAMSUNG_ELECTRO RC1005F2371CS TY-OHM RCM0402-1/16W-2K37-F Walsin WR04X2371FTL Yageo (Brightking) RC0402FR-072K37 Yageo (Brightking) RC0402FR-072K37L
161C24911S	Res., 2.49K, 1%, 0402, 1/16W	R124	Royalohm 0402WGF2491TCE SAMSUNG_ELECTRO RC1005F2491CS Walsin WR04X2491FTL Yageo (Brightking) RC0402FR-072K49L
161C28721S	Res., 28.7K, 1%, 0402, 1/16W	R190, R199, R206, R214	Fenghua 0402WGF2872TCE Fenghua RC-02K2872FT Royalohm 0402WGF2872TCE SAMSUNG_ELECTRO RC1005F2872CS Walsin WR04X2872FTL Yageo (Brightking) RC0402FR-0728K7L
161C30131S	Res., 301K, 1%, 0402, 1/16W	R42	SAMSUNG_ELECTRO RC1005F3013CS Walsin WR04X3013FTL Yageo (Brightking) RC0402FR-07301KL
161C30021S	Res., 30K, 1%, 0402, 1/16W	R268	Fenghua RC-02K3002FT PDC FCR02FV3002 Royalohm 0402WGF3002TCE SAMSUNG_ELECTRO RC1005F3002CS TY-OHM RCM0402-1/16W-30K-F Walsin WR04X3002FTL Yageo (Brightking) RC0402FR-0730K Yageo (Brightking) RC0402FR-0730KL
161C33R05S	Res., 33R, 5%, 0402, 1/16W	R25, R26, R27, R28, R29, R31, R32, R33	Fenghua RC-02K330JT Fenghua RC-02[K]W]330JT PDC FCR02JV330 Royalohm 0402WGF0330TCE SAMSUNG_ELECTRO RC1005J330CS TY-OHM RCM0402-1/16W-33R-J Walsin WR04X330 JTL Yageo (Brightking) RC0402JR-0733R Yageo (Brightking) RC0402JR-0733RL
161C47511S	Res., 4.75K, 1%, 0402, 1/16W	R160, R164, R173, R188, R189, R225, R232, R233, R238, R258, R263, R265, R269, R271, R272, R3, R4	Fenghua RC-02K4751FT Royalohm 0402WGF4751TCE SAMSUNG_ELECTRO RC1005F4751CS Walsin WR04X4751FTL Yageo (Brightking) RC0402FR-074K75L

161C47501S	Res., 475R, 1%, 0402, 1/16W	R101, R133, R43, R46, R47	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
161C49R91S	Res., 49.9R, 1%, 0402, 1/16W	R17, R18, R19, R20, R21, R22, R23, R24	Fenghua RC-02K49R9FT Fenghua RC-02[K W]49R9FT PDC FCR02FV49R9 Royalohm 0402WGF499JTCE SAMSUNG_ELECTRO RC1005F49R9CS TY-OHM RCM0402-1/16W-49R9-F Walsin WR04X49R9FTL Yageo (Brightking) RC0402FR-0749R9 Yageo (Brightking) RC0402FR-0749R9L
161C56231S	Res., 562K, 1%, 0402, 1/16W	R266	SAMSUNG_ELECTRO RC1005F5623CS Walsin WR04X5623FTL Yageo (Brightking) RC0402FR-07562KL
161C56221S	Res., 56.2K, 1%, 0402, 1/16W	R198	SAMSUNG_ELECTRO RC1005F5622CS Walsin WR04X5622FTL Yageo (Brightking) RC0402FR-0756K2L
161C06R25S	Res., 6.2R, 1%, 0402, 1/16W	R39	SAMSUNG_ELECTRO RC1005F6R2CS VISHAY CRCW04026R20FKED Walsin WR04W6R20FTL Yageo (Brightking) RC0402FR-076R2L
161C64921S	Res., 64.9K, 1%, 0402, 1/16W	R181, R208	SAMSUNG_ELECTRO RC1005F6492CS Walsin WR04X6492FTL Yageo (Brightking) RC0402FR-0764K9L
161C68001S	Res., 680R, 1%, 0402, 1/16W	R182	Fenghua RC-02K6800FT SAMSUNG_ELECTRO RC1005F680RCS Walsin WR04X6800FTL Yageo (Brightking) RC0402FR-07680RL
161C91011S	Res., 9.1K, 1%, 0402, 1/16W	R14	Royalohm 0402WGF9101TCE SAMSUNG_ELECTRO RC1005F9101CS Walsin WR04X9101FTL Yageo (Brightking) RC0402FR-079K1L
163K04103S	Res., Array, 10K, 8P4R, 5%, 0805	RN17	BOURNS CAY10-103J4LF CAL-CHIP CN24J103CT Panasonic_Industrial EXB-N8V103JX Royalohm 4D02WGJ0103TCE SAMSUNG_ELECTRO RP104PJ103CS TA-I CN24JTN103 Walsin WA04X103JTL Yageo (Brightking) YC124JR-0710K Yageo (Brightking) YC124JR-0710KL
190I00601S	Socket, Micro-Sim, SMT, 6pin	P7	GCT SIM7050-6-0-00-A Most Well R2S32HM-824106G117A01

383B52531S	Spacer, Round, M2 Threaded, H=4mm, For 1.6mm PCB thickness, SMT	SP5, SP6	MAC8 TH-1.6-4.0-M2
383B54510S	Spacer, Round, Tapped, M3 Threaded, H=2.5mm, SMT	SP1	MAC8 3SSB-2.5 Omongroup OM.CJ.BR.0270 TaiHeShuo (Guan Mei) 403-0204-0025-002+403-0718-0032-002 TaiHeShuo (Guan Mei) 403-0204-0025-002-M TaiHeShuo (Guan Mei) 403-0204-0025-004-M
170B00001S	SWITCH, Push-B,Tact, 6x6 mm, 4.3mm High, SMT	SW2, SW3, SW4, SW5	APEM-MORS ADTSM61NVTR APEM-MORS MJTP1122B Canal_Electronics DTSM61N DAEJIN 1102S DIPTRONICS DTSM61N DIPTRONICS DTSM-61N-V-T/R Switronic 1102W
170F10010	Switch, Slide, SPST, On-Off, 16x10x8mm, TH	SW1	CW Industries GF-123-0054
131D10160S	Transistor, N-MOSFET, 1A, 30V, RDS	Q11, Q12, Q13, Q14, Q15	NXP (Freescale) BSH103BKR
131D31540S	Transistor, N-MOSFET, Dual, 20V, 0.5A, vgs(th)=0.6V, NTZD3154NT	Q4, Q6	DIODES_Inc (Pericom) DMN32D2LV-7 MCC SIX3134KA-TP ON_Semiconductors NTZD3154NT1G ON_Semiconductors NTZD3154NT5G VISHAY Si1036X-T1-GE3
131D74130S	Transistor, P-MOSFET, 8.3A, 20V, vgs(th)=-1.8V / Rds=30mOhm	Q1	DIODES_Inc (Pericom) DMP2008UFG-7 DIODES_Inc (Pericom) DMP2008UFG[-7 13] FAIRCHILD (ON Semiconductors) FDMC510P FAIRCHILD (ON Semiconductors) FDMC510P_F106 FAIRCHILD (ON Semiconductors) FDMC510P_F106 ON_Semiconductors NTLTS3107PR2G ON_Semiconductors NTTFS3A08PZTAG ROHM Q1A070ZP VISHAY Si7413DN-T1-E3 VISHAY Si7413DN-T1-GE3 VISHAY Si7413DN-T1-(G)E3 VISHAY SiS407DN-T1-GE3

141B25603I	XTAL, Industrial, 25.000Mhz, 18pF, 30PPM, 3.2x2.5mm, 4 pads, SMT	X1	Abracon ABM8-25.000MHZ-D2Y-T DIODES_Inc (Pericom) FL2500133 SJK SJK-7U-25.000-18-30-40-C-30 Tech-Time S32-25.000-18-48-1-2-F-R Yoketan S3225A-025000-T18BBAAC
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