

| Part PN | Part Name | Refs | MFG Parts |
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| 190Z00201 | Battery holder for 2032 button battery. TH | BH1 | Amco 562-2T1 AUK BH203202-HH AUK BH20D66 AUK BH20D66 {ROHS} PDI-connectors PDI-2032-0 |
| 210C30002 | Battery, Lithium, Cell 20x3.2mm, 3V, 210mAh, 2032 | BT1 | Maxell CR2032 RENATA CR2032 MFR RENATA CR2032 MFR(IB SC) RENATA CR2032 MFRSC |
| 151B10400S | Cap., 100nF, 10V, X7R/X5R, 10%, 0402 | C1,C10,C100,C101,C102,C103,C104,C106,C11,C12,C13,C14,C144,C145,C146,C147,C148,C149,C150,C151,C152,C153,C157,C159,C161,C162,C163,C164,C165,C193,C2,C20,C22,C23,C25,C3,C31,C32,C33,C38,C4,C43,C5,C54,C55,C56,C57,C58,C6,C60,C62,C63,C65,C7,C73,C74,C75,C76,C77,C78,C8,C80,C81,C82,C83,C84,C85,C88,C9,C90,C91,C92,C93,C95,C98,C99 | Epcos B37621K8104K060 Fenghua 0402B104K[100 160]NT Fenghua 0402B104K100NT Fenghua 0402B104K160NT Kemet C0402C104K8PAC(7867) Kemet C0402C104K8PAC7867 Kemet C0402C104K8RAC(7867) Murata GRM155R61A104KA01D Murata GRM155R61C104KA88D Murata GRM155R[6 7]1A104KA01D Murata GRP155R61A104KA01E SAMSUNG_ELECTRO CL05A104KO5NNNC SAMSUNG_ELECTRO CL05A104KP5NNNC SAMSUNG_ELECTRO CL05A104KP5NNNC SAMSUNG_ELECTRO CL05A104K[P O]5NNN[C E] SAMSUNG_ELECTRO CL05B104KP5NNNC SAMSUNG_ELECTRO CL05B104KP5NNN[C E] SAMSUNG_ELECTRO CL05B104KP5NNND SAMSUNG_ELECTRO CL05B104KPNC Taiyo_yuden LMK105BJ104KV-F TDK C1005JB1A104KT TDK C1005X7R1C104KT Walsin 0402B104K100CT Yageo 2238 247 156 49 Yageo CC0402KRX[5 7]R6BB104 |
| 151C10400S | Cap., 100nF, 25V, X5R/X7R, 10%, 0402 | C113,C114,C116,C119,C132,C133 | Fenghua 0402[B X]104K250NT Fenghua 0402X104K250NT Hitano 0402X104K250NU SAMSUNG_ELECTRO CL05A104KA5NNNC SAMSUNG_ELECTRO CL05B104KA5NNNC Taiyo_yuden TMK105B7104KVHF Taiyo_yuden TMK105BJ104KV-F TDK C1005X7R1E104K050BB |
| 151D10100S | Cap., 100pF, 0402, NPO, 50V, 5% or 1% | C27,C28,C29,C30,C52 | Fenghua 0402CG101F500NT Fenghua 0402CG101[F J]500NT Kemet C0402C101F5GAC Murata GRM1555C1H101JA01D Murata GRP1555C1H101JD01E SAMSUNG_ELECTRO CL05C101JB5NNNC SAMSUNG_ELECTRO CL05C101JBNC SAMSUNG_ELECTRO CL05C101[J F]BNC VISHAY VJ0402A101FXAA[T C] Walsin 0402N101J500LT Yageo CC0402JRNPO9BN101 |

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| 151B10730S | Cap., 100uF, 6.3V, X5R, 20%, 1206, H=1.6mm | C120,C121 | Fenghua 1206X107M6R3NT Kemet C1206C107[K M]9PAC7210 Murata GRM31CR60J107ME39L SAMSUNG_ELECTRO CL31A107MQHNNN[C E] SAMSUNG_ELECTRO CL31A107MQHNNNE Taiyo_yuden JMK316(A)BJ107ML-T Taiyo_yuden JMK316ABJ107ML-T Taiyo_yuden JMK316BJ107ML-T TDK C3216X5R0J107MT Thunder 1206X107M6R3CT Wurth 885012108005 Yageo CC1206MKX5R5BB107 |
| 151C10300S | Cap., 10nF, 25V, X7R, 10%, 0402 | C109,C123,C125,C51,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 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 CC0402KRX7R9BB103 |
| 151D10000S | Cap., 10pF, 0402, NPO, 50V, 5% or 1% | C122 | Epcos B37920K5100J60 Fenghua 0402CG100[F J]500NT Fenghua 0402CG100J500NT Kemet C0402C100F5GAC Murata GRM1552C1H100JA01D Murata GRP1552C1H100JZ01E SAMSUNG_ELECTRO CL05C100FBNC SAMSUNG_ELECTRO CL05C100[F J]B5NNNC SAMSUNG_ELECTRO CL05C100JB5NNNC VISHAY VJ0402A100FXAA[T C] Walsin 0402N100J500LT |
| 151B10610S | Cap., 10uF, 6.3V, X5R/X7R, 20%, 0603 | C140,C141,C142,C143,C156,C158,C160,C19,C64,C68,C70,C72 | Kemet C0603C106[K M]9PAC Murata GRM188R60J106ME47D SAMSUNG_ELECTRO CL10A106[K M]Q8NNNC SAMSUNG_ELECTRO CL10A106MQ8NNNC Taiyo_yuden JMK107(A B)BJ106[K M]A-T Taiyo_yuden JMK107ABJ106MA-T Taiyo_yuden JMK107BJ106MA-T TDK C1608X5R0J106[K M]T Walsin 0603X106[K M]6R3CT Yageo CC0603MRX5R5BB106 |
| 151J10250S | Cap., 1nF, 2KV,SMD 1812, X7R, 10%, 7"REEL | C166 | AVX 1812GC102KA19A AVX 1812GC102KAT1A Johanson_Dielectrics 202S43W102KV4E Johanson_Dielectrics 202S43W102KV4E {DC>0501} Murata GHM1540X7R102K2K PDC MA1812XR102KN202PR PHYCOMP 18122R102KFBB00 SAMSUNG_ELECTRO CL43B102KJFNNNE Vishay-BC_Components 1812B102K202BT Walsin 1812B102K202CT Walsin 1812B102K302CT Yageo CC1812KKX7RDBB102 |
| 151C10500S | Cap., 1uF, 16V, X5R/X7R, 10%, 0402 | C124 | CAL-CHIP GMC04X5R105K6R3NT(LF) Fenghua 0402X105K160NT SAMSUNG_ELECTRO CL05A105KO5NNNC Taiyo_yuden EMK105BJ105KV-F TDK C1005X5R1C105K050BC |

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| 151C10520S | Cap., 1uF, 16V, X7R, 20%, 0805 | C108 | Epcos B37941K9105K06[0 2] Fenghua 0805B105K250NT Murata GRM21BR71C105KA01L PHYCOMP 08052R105M7BB0D SAMSUNG_ELECTRO CL21B105KOFNFNE SAMSUNG_ELECTRO CL21B105KOFN[F N]NE TDK C2012X7R1C105KT Walsin 0805B105K160CT Walsin 0805B105K250CT Walsin 0805B105K250CT |
| 151D10510S | Cap., 1uF, 50V, X5R/X7R, 10%, 0603 | C26 | Murata GRM188R61H105KAALD SAMSUNG_ELECTRO CL10A105KB8NNNC Taiyo_yuden UMK107BJ105KA-T TDK C1608X5R1H105K080AB Yageo CC0603KRX5R9BB105 |
| 151B10500S | Cap., 1uF, 6.3V, X5R/X7R, 20%, 0402 | C139,C21,C37,C49,C59,C66,C67,C69,C71,C79,C86,C87,C89,C94,C96 | CAL-CHIP GMC04X5R105M6R3NT Fenghua 0402X105M6R3NT 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 |
| 151D22110S | Cap., 220pF, 50V, NPO, 0603, 10% | C50 | Kemet C0603C221K5GAC SAMSUNG_ELECTRO CL10C221JB8NNNC SAMSUNG_ELECTRO CL10C221[J K]B8NNNC VISHAY VJ0603A221KXAAC |
| 151D22200S | Cap., 2.2nF, 50V, X7R, 10%, 0402 | C110,C127 | AVX 04025C222KAT2A Epcos B37921K0222K60 Kemet C0402C222K5RAC Murata GRM155R71H222KA01D Murata GRP155R71H222KA01E SAMSUNG_ELECTRO CL05B222KB5NNNC TDK C1005X7R1H222KT VISHAY VJ0402Y222KXAAT Walsin 0402B222K500CT Yageo CC0402KRX7R9BB222 |
| 151C22620S | Cap., 22uF, 25V, X5R/X7R, 20%, 0805 | C112,C117,C118,C131,C15,C16,C17,C18 | Murata GRM21BR61E226ME44L SAMSUNG_ELECTRO CL21A226MAQNNNE TDK C2012X5R1E226M125AC Yageo CC0805MKX5R8BB226 |
| 151B22610S | Cap., 22uF, 6.3V, X5R/X6S, 20%, 0603 | C24,C97 | Murata GRM188R60J226MEA0D SAMSUNG_ELECTRO CL10A226MQ8NRNC SAMSUNG_ELECTRO CL10A226MQ8NRN[C E] SAMSUNG_ELECTRO CL10A226MQ8NRNE TDK C1608X5R0J226M080AC |
| 151D27000S | Cap., 27pF, 50V, 0402, NPO, 5% or 1% | C105,C154,C155,C47 | Epcos B37920K5270J60 Hitano 0402N270F500NU Murata GRM1555C1H270JA01D SAMSUNG_ELECTRO CL05C270FBNC SAMSUNG_ELECTRO CL05C270JB5NNNC SAMSUNG_ELECTRO CL05C270JB5NNND SAMSUNG_ELECTRO CL05C270[J F]B5NNNC SAMSUNG_ELECTRO CL05C270[J F]B5NNND TDK C1005COG1H270JT Walsin 0402N270J500[C L]T Walsin 0402N270J500CT Walsin 0402N270J500LT |

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| 151C47680S | Cap., 47uF, 16V, X5R, 20%, 1210, H=2.5mm | C107 | Murata GRM32ER61C476KE15K Murata GRM32ER61C476KE15L Murata GRM32ER61C476ME15L Murata GRM32ER61C476ME15L Murata GRM32ER61C476[M K]E15K Murata GRM32ER61C476[M K]E15L SAMSUNG_ELECTRO CL32A476MOJNNNE Taiyo_yuden EMK325BJ476[M K]M-T Taiyo_yuden EMK325BJ476MM-T |
| 151B47620S | Cap., 47uF, 6.3V, X5R/X7R, 20%, 0805 | C111,C129,C130 | Kemet C0805C476M9PAC SAMSUNG_ELECTRO CL21A476[K M]Q[F Y]NNN[C E G] SAMSUNG_ELECTRO CL21A476MQYNNNE SAMSUNG_ELECTRO CL21A476MQYNNNG Taiyo_yuden JMK212BJ476MG-T Taiyo_yuden JMK212BJ476[M K]G- T TDK C2012X5R0J476MT |
| 180K02202 | Conn., 2 x USB3 (Dual), Type A, Rec, RA, TH | U30 | Astron 2360009-603-R Astron 237F318-6N001D-R Contact Technology SUA-210HS-30-277 Contact Technology SUA-210HS-30- S165 FIT (Foxconn) UEA1112C-8HD1-4F Morethanall USBB1-FRSBL- 9A Speed_Tech A32P101-00001-H |
| 182K00300S | Conn., Audio Jack, Stereo, 3.5mm, 3 pin, no switch, SMT | P5 | ATOM PJ30280-D Kycon ST-3500-3N Kycon ST-3500-3N-TR Lih_Sheng LJE0372-(T)3RT(-03[A H]){ROHS} Lih_Sheng LJE0372- T3RT-03A{ROHS} Lih_Sheng LJE0372-T3RT{ROHS} TOP- UP_Industry_Corp AJ330-3-SMT |
| 180K00401S | Conn., Audio Jack, Stereo, 3.5mm, with switch | P6,P7 | SC_Precision SCJ305P00DG0BP9G SC_Precision SCJ305P00DS0B00G |
| 182K02401S | Conn., B2B, 2x12 cont., P:0.4mm, Rec, Mated H=1.5, Black | P8 | Panasonic_Industrial AXK724147G |
| 180K00200 | Conn., DC Jack, 5.5/2.5mm ext/int Dia., TH, 20V/10A | J3 | Contact Technology DC-081HS-2.5 Contact Technology DC-081HS(- 2.5) CUI PJ-082BH Sinotech SJDC021-L Technik TDC-081HS {TDC- 081HS-2.5MM-PA6T-1AG-1} |
| 182P04000S | Conn., FPC, 0.5mm, 40 cont, RA, Downside contact, SMT | P3 | CVILux CF20-401D0R0-LF CVILux CF20-401D0R0[-LF]-NH] CVILux CF20-401D0T0 Pinrex 979-43-94030A Wurth 68714014522 |
| 180K01900S | Conn., HDMI-A, Rec, RA, th pins | J2 | Antenk HLHDMIAFCG1NTRA Astron 3690019-023-R Astron 369FA19- 0N008T-H Astron 369FA19-0N008T-[H R] Astron 369FA19-0N008T-R Chin-Ban H1F19E-A6A2-F-01 CZT A111912-Q-01-R CZT HLHDMIAFCG1NTRA Genesis 130-10051-01 Genesis HDAR-6U19- BKHCR-3F |

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| 190C00200 | Conn., Header, 1x 2, 100MIL, TH, JP2, 3mm tail, 6mm mating length | E10,E11,E3,E4,E5,E6,E7,E8,E9 | 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 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 |
| 190C00300 | Conn., Header, 1x3, 100MIL, TH, JP3, 3mm tail, 6mm mating length | E1,E2 | Archtech_Electronics TD-03ST Astron 27-0106H-103-1G CVILux CH31-03-2-V-1-00 Harwin M20-9770306 Jih_Vei_Electronics 21B11564-03S10B-01G-6/3 Jih_Vei_Electronics 21B1164-03S10-01G-6/3 {ROHS} Jih_Vei_Electronics 21B1164-03S10-01H-6/3 Keltron-KCC PH1-03S-G Major_League_Electronics TSHS-103-S-08-A-T MAXCONN 210-V-B-03-A-1 Oupiin 2011-1X3GS Wieson 2100-1*3ST1 |
| 190C03400S | Conn., Header, 2x17, 100MIL, SMT, 6mm mating length | P20,P21 | Archtech_Electronics TDE-34MG FCI 54202-T08-34P FCI 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 |
| 190C01000 | Conn., Header, 2x 5, 100MIL, TH, DR10, 3mm tail, 6mm mating length | P29 | Archtech_Electronics TDB-10ST Astron 27-0106H-205-1G-R CVILux CH81-10-2-V-1-00 Harwin M20-9760506 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 |
| 190C01402 | Conn., Header, 2x7, 100MIL, TH | P30 | Archtech_Electronics TDB-14ST Astron 27-0106H-207-1G CVILux CH81-14-2-V-1-00 CVILux CH81-142V200 Harwin M20-9760706 Jih_Vei_Electronics 21B22564-14S10B-01G-6/3 Jih_Vei_Electronics B2264-14S10-01G Keltron-KCC PH2-14S-G Major_League_Electronics TSHS-108-D-07-A-T MAXCONN 220-V-B-07-A-1 Oupiin 2011-2X07G00SPB Wieson 2100-2*7ST1 |
| 185B10010 | Conn., Jumper Plug (shunt), 2.54mm (.1") spacing, Gold plated, Black color | JP1,JP10,JP11,JP13,JP2,JP3,JP4,JP5,JP6,JP7,JP9 | CVILux CS01632A100 Jih_Vei_Electronics 27S1002-CLS65P-01G-B-B 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 |
| 180K01000S | Conn., Micro-USB3, AB-type (OTG), Rec, RA | P9 | Any_Mfg Micro USB 3 AB, 10pin, Rec, SMT GCT USB3125-30-A |

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| 180K00501S | Conn., Micro-USB, B-Type, Rec, RA, with optional pegs | P12 | Amco 211-100521-002 Mainsuper AV4-AA-005-K0 Morethanall MISB-SWP-5B-LF Walta D03-0718-05002 |
| 182K05201S | Conn., Mini-PCIE socket, Card H=3.75mm (5.6mm connector body), Black | P11 | Bellwether 80003-3021 Chufon C350003-03 Concraft 0717A0BA56C Lotes AAA-PCI-046-K01 Molex 67910-5701 Morethanall MPC1-W56-052-LF Tyco 1775838-2 |
| 180K00600 | Conn., RJ11, Phone Jack, 6P6C, RA, TH | P16 | Astron 17-01041-66-1G-R CVILux CJ366621100 Oupiin 8949-D66/06BNA Oupiin 8949-D66/6BLK |
| 182K01600 | Conn., RJ45, W/1GB-T mag and G/Y LED, RA, TH | P2 | 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 |
| 180K00900S | Conn.socket slot SD/MM SDIO card reader, SMT, Push-Push | P13 | Astron C54-2108-9-(TR)-R |
| 180K00802S | Conn., Ultra Mini Serial, 8pin (Mini-USB type) | P14 | Contact Technology MUSB-8B-D-G-S175 Contact Technology MUSB-8B-D-G-S175-R |
| 180K00902S | Conn., USB3 Type A, FEM, RA, PC Mount, SMT | J4 | Antenk U3AFM01-I-P-P-G0-D Contact Technology SUA-110M2-30-S081 |
| 130E30001S | Diode, Schottky, 5A, 30V, SOD-128 | D6,D8 | NXP (Freescale) PMEG3050BEP,115 ON_Semiconductors FSV530AF(TR) ROHM RBR5LAM30ATR |
| 130E05400S | Diode, Schottky, dual, common Cathode, BAT54C, SOT23 | D1 | 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 ST BAR43C Vishay-General_Semiconductor BAT54C/E9 |
| 130E05402S | Diode, Schottky, Sgl, BAT54WS, SOD-323 | D11,D2,D4 | DIODES_Inc (Pericom) BAT54WS-7 DIODES_Inc (Pericom) BAT54WS-7-F Diotec BAT54WS Infineon BAS140W Infineon BAS3010A-03W NXP (Freescale) 1PS76SB10 ON_Semiconductors BAT54HT1 ON_Semiconductors BAT54HT1G VISHAY BAT54WS-[E G]3-08 VISHAY BAT54WS-GS08 |
| 132D42200S | Diode, TVS, Dual USB 2.0 ESD protection, Low cap (1pF) | U15,U16,U17,U5 | AOS AOZ8007CI NXP (Freescale) IP4220CZ6 NXP (Freescale) IP4220CZ6(,125) ON_Semiconductors NUP4301MR6T1G ST DVIULC6-4SC6 |

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| 132D00150S | Diode, TVS, V _{rrm} =15V, BiDi, 1500W, SMC | D7 | Brightking SMCJ15CA DIODES_Inc (Pericom) SMCJ15CA-13-F FAIRCHILD (ON Semiconductors) SMCJ15CA LittleFuse SMCJ15CA VISHAY SMCJ15CA-E3/57T VISHAY SMCJ15CA-E3/9AT VISHAY SMCJ16CA-E3/57T |
| 142D11801S | EMI Filter, Common mode, With ESD, 60Ohm, USB3 app, SMT | L24,L25,L26,L27,L28,L29,L30,L31,L32,L6,L7,L8,L9 | Murata LXES11DAA2-135 TDK TCE1210U-500-2P-T |
| 147D12101S | Ferrite Bead, Z=120 Ohm@100Mhz, 3A, | FB1,FB3 | Chilisin UPB321611T-121Y-N Fair-Rite 2512061517Y3 Laird HI1206P121R-10 Murata BLM31PG121SN1L SAMSUNG_ELECTRO CIC31J121N[C E] SAMSUNG_ELECTRO CIC31J121NE Yageo UPB321611T-121Y-S |
| 175P15200S | Fuse, Resettable PTC, 0.75A I _h , 1.5A I _t | F2 | BOURNS MF-NSMF075-2 BOURNS MF-NSMF075(-2) Fuzetec FSMD075-1206R Inpaq PFS1206I075S LittleFuse 1206L075-CWR LittleFuse 1206L075-CYR LittleFuse 1206L075-THWR LittleFuse 1206L075-THYR Tyco NANOSMDC075F-2 |
| 175P22200S | Fuse, Resettable PTC, 1.1A I _h , 2.2A I _t | F3,F4,F5,F6 | BOURNS MF-NSMF110-2 Fuzetec FSMD110-1206R Inpaq PFS1206I110S LittleFuse 1206L110-CWR LittleFuse 1206L110-CYR Tyco nanoSMDC110F-2 |
| 124S82200S | IC, Analog switch, Dual USB current limited switch, 1A per channel, SO-8 | U9 | AIC AIC1528-1GSTR Raychem RYC8630-1M |
| 123V08000S | IC, Ind., Volt Reg, Step down, V _i 4.5-18V, 9A | U24 | Richtek RT6239AHGQUF |
| 116A32431I | IC, Interface, 3243E, Industrial, RS232 drvr,3T5R, 3.3V, QFN-32 | U18 | TI (National Semi) MAX3243ECRHBR TI (National Semi) MAX3243EIRHBR |
| 116A01020S | IC, interface, Level translator, 2 bit, Bi-Di, for OC and Push-pull, for I2C | U13,U19,U8 | TI (National Semi) TXS0102DCTR TI (National Semi) TXS0102DCTT TI (National Semi) TXS0102DCT[T R](E4 G4) |
| 116A34910S | IC, Interface. MAX3491, RS485/RS422, 10Mbps, 3.3V | U20 | ANALOG_DEVICES (LTC) ADM3491AR ANALOG_DEVICES (LTC) ADM3491ARZ EXAR SP3491CN EXAR SP3491CN-L/TR Intersil (Renesas) ISL83491IB MAXIM MAX3491CSD |
| 116A00120S | IC, Interface, PCIe Gen 1/2 Clock Generator, 1:4, 200MHz max, 3.3V | U36 | PERICOM (Diodes Inc) PI6C557-05LEX |
| 116A00140S | IC, Interface, USB 2.0 Full Speed to UART bridge | U14 | Silicon Labs CP2104-F03-GM(R) Silicon Labs CP2104-F03-GMR |

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| 116A00280S | IC, Interface, USB 3.0 Hub, 4 ports, Super-speed, QFN-68, 8x8mm | U27 | CYPRESS CYUSB3304-68LTXC |
| 123C40000S | IC, Led driver, Step-up, PWM, 2.5-5.5V Vin, 40mA Iout (var), 6-12 LED | U2 | Yobon YB9285 |
| 106D30040S | IC, Logic, 74LCX04, Hex Inverter, 3.3V, TSSOP-14 | U29 | 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 {> DC0510} ON_Semiconductors MC74LCX04DT ON_Semiconductors MC74LCX04DTR2 ST 74LCX04TTR TI (National Semi) SN74LVC04APWR |
| 111S31000S | IC, Memory, EEPROM, 24C08, 1Kx8, 16-bytes page size, 1.8-5.5V, I2C interface | U4 | ON_Semiconductors CAT24C08HU4I-GT3 |
| 116B95550S | IC, Periph, 16-bit I2C and SMBus GPIO I/O expander | U31 | EXAR XRA1201PIL24-F EXAR XRA1201PIL24(TR)-F EXAR XRA1201PIL24TR-F MAXIM MAX7311ATG 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 TI (National Semi) TCA9555RTWR |
| 116B20460I | IC, Periph, Ind., Touch screen controller, 1.5Vio, SPI | U1 | AKM AK4182AVN-L AKM AK4182AVN(-L) TI (National Semi) TSC2046IRGVR TI (National Semi) TSC2046IRGVR(G4) TI (National Semi) TSC2046IRGVT |
| 123V4R500S | IC, Volt. Reg. LDO, 500mA, Adjustable 0.8:4.5V, RT9186 | U10,U11,U12,U28 | Richtek RT9186AGQV |
| 123V15001S | IC, Volt Reg., RT8272, Step down, 3A, Vi=4.75V..24V, Vo=0.92V..15V | U23,U25 | Richtek RT8272-GSP |
| 147A22000S | Inductor, 22uH, 0.5A | L1 | Coilmaster SQH4018S-220M-LF Delta SI54-220 Murata LQH44PN220MP0L |
| 147A2R201S | Inductor, 2.2uH, Isat=14A, 18mohm DCR | L11 | Delta MPL73-2R2 Delta MPT730-2R2M1 TDK SPM6530T-2R2M TMP FMJ-0630T-2R2 HF Viking SDB0630MT2R2 |

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| 147A6R801S | Inductor, 6.8uH, Irated>=3.5A, DCR < 40mohm | L10,L12 | 3L UPIA0604-6R8M Coilmaster SQH8040S-6R8N-LF Murata LQH88PN6R8N38K TDK VLP8040T-6R8M |
| 139A10020S | LED, Green, SMT,1206 | 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 QTLP650D4TR KingBright KP-3216SGC KingBright KP3216SGD LiteON LTST- C230GKT Lumex SML-LX1206GC-TR P-Tec PL00200-WCG13 z#QT_Opto QTLP650D-4 z#QT_Opto QTLP650D-4.TR |
| 141C25601S | OSC., Industrial, 25.000MHz, 50PPM, 3.2x2.5mm SMD, 3.3V | OSC1 | IQD 25.000000MHz CFPS-39I B TR NDK NZ3225SA-25.000MHz_E Raltron Com130[25]5]-25.000-EXT-T-TR Siward OSC813500NLS25.000-3.3R TAI TIEN PXETGLJANF-25.000Mhz |
| 188C03100 | PCB, SB-iMX8, Rev 1.0 | PCB1 | AVIV_PCB 188C03100, IMG Cirket Electronics 188C03100, IMG PCL 188C03100, IMG Unitech 188C03100, IMG Wanfeng Circuit 188C03100, IMG |
| 161C00005S | Res., 0R, 5%, 0402, 1/16W | R104,R112,R114,R115,R116,R117,R118, R138,R141,R142,R160,R162,R170,R171, R174,R175,R176,R177,R178,R179,R180, R182,R183,R184,R185,R188,R189,R71, R72,R81,R84,R86,R88,R94,R99 | PDC FCR02JV000 Royalohm 0402WGF0000TCE SAMSUNG_ELECTRO RC1005J000CS TY-OHM RCM0402-1/16W-0R-J Walsin WR04X000PTL Yageo RC0402JR-070R Yageo RC0402JR-070RL |
| 161C10031S | Res., 100K, 1%, 0402, 1/16W | R131,R132,R154,R92 | Royalohm 0402WGF1003TCE SAMSUNG_ELECTRO RC1005F1003CS Walsin WR04X1003FTL Yageo RC0402FR-07100KL |
| 161C10001S | Res., 100R, 1%, 0402, 1/16W | R66,R69,R70 | PDC FCR02FV1000 Royalohm 0402WGF1000TCE SAMSUNG_ELECTRO RC1005F1000CS TY-OHM RCM0402-1/16W- 100R-F Walsin WR04X1000FTL Yageo RC0402FR-07100R Yageo RC0402FR-07100RL |
| 161C10021S | Res., 10K, 1%, 0402, 1/16W | R100,R101,R105,R107,R110,R111,R113, R119,R122,R126,R143,R144,R145,R150, R151,R152,R153,R155,R169,R19,R228, R230,R48,R49,R53,R54,R55,R64,R68,R7 8,R91,R93,R98 | PDC FCR02FV1002 Royalohm 0402WGF1002TCE SAMSUNG_ELECTRO RC1005F1002CS TY-OHM RCM0402-1/16W-10K- F Walsin WR04X1002FTL Yageo RC0402FR-0710K0 Yageo RC0402FR- 0710KL |

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| 161D12001S | Res., 120R, 1%, 0603 | R123 | AVX CR101200FT BOURNS CR0603-FX-1200E CTS 7120603-1200F KOA RK73H1JT1200F PDC FCR03FT1210 ROHM MCR03EZHF1200 SAMSUNG_ELECTRO RC1608F1200CS TY-OHM RCM0603-1/16W-120R-F VISHAY CRCW06031200FRT1 Walsin WR06X1200FTL Yageo RC0603FR-07120R Yageo RC0603FR-07120RL |
| 161C12421S | Res., 12.4K, 1%, 0402, 1/16W | R140 | SAMSUNG_ELECTRO RC1005F1242CS Walsin WR04X1242FTL Yageo RC0402FR-0712K4L |
| 161C13321S | Res., 13.3K, 1%, 0402, 1/16W | R97 | SAMSUNG_ELECTRO RC1005F1332CS VISHAY CRCW040213K3FKED Yageo RC0402FR-0713K3L |
| 161C16521S | Res., 16.5K, 1%, 0402, 1/16W | R102 | SAMSUNG_ELECTRO RC1005F1652CS Walsin WR04X1652FTL Yageo RC0402FR-0716K5L |
| 161C10011S | Res., 1K, 1%, 0402, 1/16W | R129,R156,R77,R80,R96 | PDC FCR02FV1001 Royalohm 0402WGF1001TCE SAMSUNG_ELECTRO RC1005F1001CS TY-OHM RCM0402-1/16W-1K-F Walsin WR04X1001FTL Yageo RC0402FR-071KL |
| 161C20031S | Res., 200K, 1%, 0402, 1/16W | R133 | PDC FCR02FV2003 Royalohm 0402WGF2003TCE SAMSUNG_ELECTRO RC1005F2003CS TY-OHM RCM0402-1/16W-200K-F Walsin WR04X2003FTL Yageo RC0402FR-07200K Yageo RC0402FR-07200KL |
| 161C20001S | Res., 200R, 1%, 0402, 1/16W | R15 | PDC FCR02FV2000 Royalohm 0402WGF2000TCE SAMSUNG_ELECTRO RC1005F2000CS TY-OHM RCM0402-1/16W-200R-F Walsin WR04X2000FTL Yageo RC0402FR-07200R Yageo RC0402FR-07200RL |
| 161C22005S | Res., 220R, 5%, 0402, 1/16W | R67 | PDC FCR02JV221 SAMSUNG_ELECTRO RC1005J221CS TY-OHM RCM0402-1/16W-220R-J Walsin WR04X221_JTL Yageo RC0402JR-07220R Yageo RC0402JR-07220RL |
| 161C32421S | Res., 32.4K, 1%, 0402, 1/16W | R135 | SAMSUNG_ELECTRO RC1005F3242CS Walsin WR04X3242FTL Yageo RC0402FR-0732K4L |
| 161C33R05S | Res., 33R, 5%, 0402, 1/16W | R124,R125,R127,R128,R163,R164,R165,R172 | PDC FCR02JV330 Royalohm 0402WGF0330TCE SAMSUNG_ELECTRO RC1005J330CS TY-OHM RCM0402-1/16W-33R-J Walsin WR04X330_JTL Yageo RC0402JR-0733R Yageo RC0402JR-0733RL |
| 161C40221S | Res., 40.2K, 1%, 0402, 1/16W | R130,R139 | Royalohm 0402WGF4022TCE SAMSUNG_ELECTRO RC1005F4022CS Walsin WR04X4022FTL Yageo RC0402FR-0740K2L |
| 161C43221S | Res., 43.2K, 1%, 0402, 1/16W | R134 | PDC FCR02FV4322 Royalohm 0402WGF4322TCE SAMSUNG_ELECTRO RC1005F4322CS TY-OHM RCM0402-1/16W-43K2-F Walsin WR04X4322FTL Yageo RC0402FR-0743K2 Yageo RC0402FR-0743K2L |

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| 161C44221S | Res., 44.2K, 1%, 0402, 1/16W | R46 | Royalohm 0402WGF4422TCE SAMSUNG_ELECTRO RC1005F4422CS Walsin WR04X4422FTL Yageo RC0402FR-0744K2L |
| 161C47511S | Res., 4.75K, 1%, 0402, 1/16W | R29,R30 | Royalohm 0402WGF4751TCE SAMSUNG_ELECTRO RC1005F4751CS Walsin WR04X4751FTL Yageo RC0402FR-074K75L |
| 161C47501S | Res., 475R, 1%, 0402, 1/16W | R121,R50,R51 | PDC FCR02FV4750 Royalohm 0402WGF4750TCE SAMSUNG_ELECTRO RC1005F4750CS TY-OHM RCM0402-1/16W- 475R-F Walsin WR04X4750FTL Yageo RC0402FR-07475R Yageo RC0402FR-07475RL |
| 161C47025S | Res., 47K, 5%, 0402, 1/16W | R65 | PDC FCR02JV473 SAMSUNG_ELECTRO RC1005J473CS TY-OHM RCM0402-1/16W-47K-J Walsin WR04X473_JTL Yageo RC0402JR- 0747K Yageo RC0402JR-0747KL |
| 161C49R91S | Res., 49.9R, 1%, 0402, 1/16W | R10,R11,R12,R2,R4,R6,R8,R9 | PDC FCR02FV49R9 Royalohm 0402WGF499JTCE SAMSUNG_ELECTRO RC1005F49R9CS TY-OHM RCM0402-1/16W- 49R9-F Walsin WR04X49R9FTL Yageo RC0402FR-0749R9 Yageo RC0402FR-0749R9L |
| 161C51111S | Res., 5.11K, 1%, 0402, 1/16W | R7 | SAMSUNG_ELECTRO RC1005F5111CS Walsin WR04X5111FTL Yageo RC0402FR-075K11L |
| 161C60411S | Res., 6.04K, 1%, 0402, 1/16W | R5 | PDC FCR02FV6041 Royalohm 0402WGF6041T[5]C]E SAMSUNG_ELECTRO RC1005F6041CS TY-OHM RCM0402-1/16W- 6K04-F Walsin WR04X6041FTL Yageo RC0402FR-076K04 Yageo RC0402FR-076K04L |
| 161C06R25S | Res., 6.2R, 1%, 0402, 1/16W | R52 | SAMSUNG_ELECTRO RC1005F6R2CS VISHAY CRCW04026R20FKED Walsin WR04W6R20FTL Yageo RC0402FR-076R2L |
| 161C64911S | Res., 6.49K, 1%, 0402, 1/16W | R103 | Royalohm 0402WGF6491TCE SAMSUNG_ELECTRO RC1005F6491CS Walsin WR04X6491FTL Yageo RC0402FR-076K49L |
| 161C68001S | Res., 680R, 1%, 0402, 1/16W | R120,R159,R63 | SAMSUNG_ELECTRO RC1005F680RCS Walsin WR04X6800FTL Yageo RC0402FR-07680RL |
| 161C91011S | Res., 9.1K, 1%, 0402, 1/16W | R106 | Royalohm 0402WGF9101TCE SAMSUNG_ELECTRO RC1005F9101CS Walsin WR04X9101FTL Yageo RC0402FR-079K1L |
| 163K04103S | Res., Array, 10K, 8P4R, 5%, 0805 | RN17,RN2,RN8 | Royalohm 4D02WVGJ0103TCE SAMSUNG_ELECTRO RP104PJ103CS TA-I CN24JTN103 Walsin WA04X103_JTL Yageo YC124JR-0710K Yageo YC124JR-0710KL |

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| 163K04472S | Res., Array, 4.7K, 8P4R, 5%, 0805 | RN20 | Royalohm 4D02WGJ0472TCE SAMSUNG ELECTRO RP104PJ472CS TA-I CN24JTN472 Walsin WA04X472_JTL Yageo YC124JR-074K7 Yageo YC124JR-074K7L |
| 380J52020 | Screw, M2, Pan head, Philips, 3.5mm +-0.3mm Length, Stainless Steel, Nickel or Zinc plating | SCREW1 | Acton_InoxPro BF22102003 Federal_Screw_Works DF1402003 WORLD_BRIDGE_MACHINARY 380J52020 |
| 190I00601S | Socket, Micro-Sim, SMT, 6pin | P10 | GCT SIM7050-6-0-00-A |
| 190I20400S | Socket, SODIMM-204, DDR3, 204 pin, RA, H=5.2mm | P1 | FIT (Foxconn) AS0A621-H2SB-7H Lotes AAA-DDR-109-K01 Tyco 2-2013289-1 |
| 383B52520S | Spacer, Round, Tapped, M2 Threaded, H=3.0mm, SMT | SP10,SP21,SP22 | MAC8 2SSB-3.0 TaiHeShuo (Guan Mei) 403-0204-0030-001-C+403-0700-0026-001 TaiHeShuo (Guan Mei) 403-0700-0018 |
| 206C10160 | Standoff, Hex, M2, L=4.5mm, Male/Female | SPACER1 | WORLD_BRIDGE_MACHINARY 206C10160 {HS200025M1} WORLD_BRIDGE_MACHINARY HS200025M1-2 |
| 170B00001S | SWITCH, Push-B,Tact, 6x6 mm, 4.3mm High, SMT | SW4,SW5,SW6 | APEM-MORS ADTSM61NVTR APEM-MORS MJTP1122B Canal_Electronics DTSM61N DAEJIN 1102S DIPTRONICS DTSM61N DIPTRONICS DTSM-61N-V-T/R Switronic 1102W |
| 131D31540S | Transistor, N-MOSFET, Dual, 0.5A, vgs(th)=0.6V, NTZD3154NT | Q5,Q6 | DIODES_Inc (Pericom) DMN32D2LV-7 ON_Semiconductors NTZD3154NT1G ON_Semiconductors NTZD3154NT5G |
| 131D03350S | Transistor, N-MOSFET, NDS335N, Vgs(TH)=1.2Vmax, Rds=100mOhm@2.5V, 3A, 20V | Q4 | DIODES_Inc (Pericom) DMN3052L-7 FAIRCHILD (ON Semiconductors) FDN335N FAIRCHILD (ON Semiconductors) NDS335N ON_Semiconductors NTR4501NT1G VISHAY SI2312BDS-T1-E3 |
| 131D10010S | Transistor, P-MOSFET, 5.5A, 20V, RDS=65mOhm@Vgs=10V | Q12 | ROHM RQ1E050RPTR |
| 131D74130S | Transistor, P-MOSFET, 8.3A, 20V, vgs(th)=-1.8V / Rds=30mOhm | Q7 | DIODES_Inc (Pericom) DMP2008UFG-7 FAIRCHILD (ON Semiconductors) FDMC510P FAIRCHILD (ON Semiconductors) FDMC510P_F106 FAIRCHILD (ON Semiconductors) FDMC510P(_F106) ON_Semiconductors NTLTS3107PR2G ON_Semiconductors NTTFS3A08PZTAG ROHM RQ1A070ZP VISHAY Si7413DN-T1-E3 VISHAY Si7413DN-T1-(G)E3 VISHAY Si7413DN-T1-GE3 |
| 141B25601S | XTAL, Industrial, 25.000Mhz, 50PPM, 3x5mm 4 pads SMT | X2 | Siward XTL541500NLK-25MHZ-18.0-TR TAI_TIEN XVGHNLNANF-25.000Mhz |

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| 141B26600S | XTAL, Industrial, 26.000Mhz, 10pF, 50PPM, 3.2x2.5mm, 4 pads, SMT | X1 | DIODES_Inc (Pericom) FL2600176 ECS ECS-260-10-33QZ-TR |
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