

Part PN	Part Name	Refs	MFG Parts
139A10020S	LED, Green, SMT,1206	DS3, DS4,	Avago HSMG-C150 Avago HSMG-C151 DIALIGHT 597-3311-407 EVERLIGHT 15-21SYGD/S530-E2/3T EVERLIGHT 15-21SYGD/S530-E2/TR8 EVERLIGHT 15-21/VGC/TR8/T1 EVERLIGHT QTL P650D4TR KingBright KP-3216SGC KingBright KP3216SGD Lumex SML-LX1206GC-TR P-Tec PL00200-WCG13 TOYO LED TY-Y1206UG1(0.90) TOYO LED TY-Y1206UG10.90 z#QT_Opto QTL P650D-4 z#QT_Opto QTL P650D-4.TR
161D10R05S	Res., 10R, 5%, 0603	R150, R151, R154, R156, R157, R161, R165, R174, R175, R79,	PDC FCR03JT100 ROHM MCR03EZJH100 SAMSUNG_ELECTRO RC1608J100CS Stackpole RMC F0603JT10R0 TY-OHM RCM0603-1/16W-10R-J VISHAY CRCW0603100JRT1 Walsin WR06X100_JTL Yageo (Brightking) RC0603JR-0710R Yageo (Brightking) RC0603JR-0710RL
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
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-CLS65B-01G-B-BP 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
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
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
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
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
180K00400S	Conn., USB Type A, FEM, RA, PC Mount, SMT	J2,	Kingfont USBAS-00401W001 Kingfont USBAS-00401W001{Tape&Reel 7"} Neltron 5075AR-04-SM1A-WH-TR
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
151D22110S	Cap., 220pF, 50V, NPO, 0603, 10%	C235, C264,	Kemet (Yageo) C0603C221[G J K]5GACTU 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 K]XAPW1BC VISHAY VJ0603A221KXAAC Walsin 0603N221J500CT Walsin 0603N221[J K]500CT Yageo (Brightking) CC0603JRNPO9BN221

151B10400S	Cap., 100nF, 10V, X7R/X5R, 10%, 0402	C100, C101, C127, C141, C143, C144, C146, C148, C152, C155, C158, C160, C161, C174, C189, C192, C193, C195, C197, C200, C204, C211, C231, C232, C249, C255, C258, C260, C268, C269, C27, C270, C272, C274, C276, C277, C28, C282, C284, C285, C286, C288, C290, C293, C31, C32, C33, C34, C35, C371, C373, C51, C55, C59, C62, C63, C64, C68, C70, C71, C73, C74, C75, C76, C77, C78, C79, C80, C84, C86, C88, 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) CC0402KRX5R6BB104 Yageo (Brightking) CC0402KRX7R6BB104
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

161C00005S	Res., 0R, 5%, 0402, 1/16W	R100, R122, R123, R16, R162, R163, R176, R177, R178, R186, R192, R195, R207, R216, R217, R220, R226, R227, R228, R236, R247, R248, R249, R250, R254, R256, 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
161C10021S	Res., 10K, 1%, 0402, 1/16W	R1, R109, R110, R111, R112, R113, R114, R115, R120, R130, R134, R149, R15, R168, R169, R171, R172, R194, R2, R201, R209, R210, R224, R229, R230, R235, R240, R243, R244, R245, R253, 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
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
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
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

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
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
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
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 0402WGJ0330TCE SAMSUNG_ELECTRO RC1005J330CS TY-OHM RCM0402-1/16W-33R-J Walsin WR04X330 JTL Yageo (Brightking) RC0402JR-0733R Yageo (Brightking) RC0402JR-0733RL
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 VJ0402A150JXAAC Walsin 0402N150J500[C L]T Walsin 0402N150J500CT Walsin 0402N150J500LT
106C20320S	IC, Logic, MicroGate, NC7SZ32, 2 Input OR gate, SC70	U46,	DIODES_Inc (Pericom) 74LVC1G32SE-7 FAIRCHILD (ON Semiconductors) NC7SZ32P5X NXP (Freescall) 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

151D10100S	Cap., 100pF, 0402, NPO, 50V, 5% or 1%	C54,	Fenghua 0402CG101F500NT Fenghua 0402CG101[FJ]500NT Fenghua 0402CG101J500NT Kemet (Yageo) C0402C101F5GAC Murata GRM1555C1H101JA01D Murata GRP1555C1H101JD01E SAMSUNG_ELECTRO CL05C101JB5NNNC SAMSUNG_ELECTRO CL05C101JBNC SAMSUNG_ELECTRO CL05C101[JF]BNC VISHAY VJ0402A101FXAA[T][C] Walsin 0402N101J500[C][L]T Walsin 0402N101J500CT Yageo (Brightking) CC0402JRNPO9BN101
161C15011S	Res., 1.5K, 1%, 0402, 1/16W	R107, 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
161C47501S	Res., 475R, 1%, 0402, 1/16W	R101, R102, R133, R135, R43,	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
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
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
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
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

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
161C24911S	Res., 2.49K, 1%, 0402, 1/16W	R124, R125,	Royalohm 0402WGF2491TCE SAMSUNG_ELECTRO RC1005F2491CS Walsin WR04X2491FTL Yageo (Brightking) RC0402FR-072K49L
161C22015S	Res., 2.2K, 5%, 0402, 1/16W	R81, R82, R83, R84,	Fenghua RC-02K222JT Royalohm 0402WGF2201TCE Royalohm 0402WGF2201TCE SAMSUNG_ELECTRO RC1005J222CS Walsin WR04X222_[F J]TL Walsin WR04X222_FTL Walsin WR04X222_JTL Yageo (Brightking) RC0402JR-072K2L
161C47511S	Res., 4.75K, 1%, 0402, 1/16W	R160, R164, R173, R185, R188, R189, R225, R232, R233, R234, R238, R246, R252, R258, R260, R263, R264, R265, R269, R271, R272, R274, R275, R277, R279, R3, R4,	Fenghua RC-02K4751FT Royalohm 0402WGF4751TCE SAMSUNG_ELECTRO RC1005F4751CS Walsin WR04X4751FTL Yageo (Brightking) RC0402FR-074K75L
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
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
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
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
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

116B95550S	IC, Periph, 16-bit I2C and SMBus GPIO I/O expander	U35, U38,	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
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
161C17821S	Res., 17.8K, 1%, 0402, 1/16W	R187, R197, R222,	Royalohm 0402WGF1782TCE SAMSUNG_ELECTRO RC1005F1782CS Walsin WR04X1782FTL Yageo (Brightking) RC0402FR-0717K8L
151B10500S	Cap., 1uF, 6.3V, X5R/X7R, 20%, 0402	C1, C140, C142, C149, C18, C19, C2, C202, C244, C4, 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
161C56221S	Res., 56.2K, 1%, 0402, 1/16W	R198,	SAMSUNG_ELECTRO RC1005F5622CS Walsin WR04X5622FTL Yageo (Brightking) RC0402FR-0756K2L
161C12131S	Res., 121K, 1%, 0402, 1/16W	R184,	SAMSUNG_ELECTRO RC1005F1213CS Walsin WR04X1213FTL Yageo (Brightking) RC0402FR-07121KL



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
123V4R500S	IC, Volt. Reg. LDO, 500mA, Adjustable 0.8:4.5V, RT9186A	U12,	Richtek RT9186AGQV
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
180K00401S	Conn., Audio Jack, Stereo, 3.5mm, with switch	J5, J6,	SC_Precision SCJ305P00DG0BP9G SC_Precision SCJ305P00DS0B00G
161C12421S	Res., 12.4K, 1%, 0402, 1/16W	R212,	Fenghua RC-02K1242FT SAMSUNG_ELECTRO RC1005F1242CS Walsin WR04X1242FTL Yageo (Brightking) RC0402FR-0712K4L
151D18000S	Cap., 18pF, 50V, NPO, 5%, 0402	C81, C83, C89, C90,	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
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
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
161C91011S	Res., 9.1K, 1%, 0402, 1/16W	R14,	Royalohm 0402WGF9101TCE SAMSUNG_ELECTRO RC1005F9101CS Walsin WR04X9101FTL Yageo (Brightking) RC0402FR-079K1L

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)
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
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 {S2E}
151C22400S	Cap., 220nF, 16V, X7R/X5R, 0402, 10%	C159, 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
147D22101S	Ferrite Bead, Z=220R@100Mhz, 2A, 0.05 Ohm DCR, 0603	FB4, FB5,	Chilisin (PULSE) PBJ 160808T-221Y-N Laird (Ezurio) MI0603L221R-10 Murata BLM18KG221SN1D TDK MPZ1608S221ATA00 TDK MPZ1608S221AT[A00 D25] Tri-Tron (Sunborn) HTBS160808A221 RDC05
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}
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)
161C30131S	Res., 301K, 1%, 0402, 1/16W	R42,	SAMSUNG_ELECTRO RC1005F3013CS Walsin WR04X3013FTL Yageo (Brightking) RC0402FR-07301KL
161C68001S	Res., 680R, 1%, 0402, 1/16W	R182,	Fenghua RC-02K6800FT SAMSUNG_ELECTRO RC1005F680RCS Walsin WR04X6800FTL Yageo (Brightking) RC0402FR-07680RL
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

190I00601S	Socket, Micro-Sim, SMT, 6pin	P7,	GCT SIM7050-6-0-00-A Most Well R2S32HM-824106G117A01
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
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 MMZ1005S121CT000
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
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
132D10030S	Diode, TVS, Vrrwm=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
151C22620S	Cap., 22uF, 25V, X5R/X7R, 20%, 0805	C253,	Murata GRM21BR61E226ME44L SAMSUNG_ELECTRO CL21A226MAQNNNE SAMSUNG_ELECTRO CL21A226MA[Q Y]NNNE SAMSUNG_ELECTRO CL21A226MAYNNNE TDK C2012X5R1E226M125AC Yageo (Brightking) CC0805MKX5R8BB226
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
151C10500S	Cap., 1uF, 16V, X5R/X7R, 10%, 0402	C176, C182, C185, C24, C257, C26, C261,	CAL-CHIP GMC04X5R105K16NT(LF) Fenghua 0402X105K160NT SAMSUNG_ELECTRO CL05A105KO5NNNC Taiyo_yuden EMK105BJ105KV-F TDK C1005X5R1C105K050BC Walsin 0402[B X]105K[160]250JCT

116A00140S	IC, Interface, USB 2.0 Full Speed to UART bridge	U24,	Silicon Labs CP2104-F03-GM(R) Silicon Labs CP2104-F03-GMR
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
161C06R25S	Res., 6.2R, 1%, 0402, 1/16W	R39,	SAMSUNG_ELECTRO RC1005F6R2CS VISHAY CRCW04026R20FKED Walsin WR04W6R20FTL Yageo (Brightking) RC0402FR-076R2L
151D10510S	Cap., 1uF, 50V, X5R/X7R, 10%, 0603	C22, C278, C57, C96,	Fenghua 0603B105K500NT Murata GRM188R61H105KAALD SAMSUNG_ELECTRO CL10A105KB8NNNC Taiyo_yuden UMK107BJ105KA-T TDK C1608X5R1H105K080AB Yageo (Brightking) CC0603KRX5R9BB105
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
161C64921S	Res., 64.9K, 1%, 0402, 1/16W	R181, R208,	SAMSUNG_ELECTRO RC1005F6492CS Walsin WR04X6492FTL Yageo (Brightking) RC0402FR-0764K9L
161G02011S	Res., 0.020R, 1%, 1206, 1/2W (Current sense)	R183,	ROHM UCR18EVHFSR020 SAMSUNG_ELECTRO RU3216FR020CS Yageo (Brightking) RL1206FR-070R02L
161C56231S	Res., 562K, 1%, 0402, 1/16W	R266,	SAMSUNG_ELECTRO RC1005F5623CS VISHAY CRCW0402562KFKED Walsin WR04X5623FTL Yageo (Brightking) RC0402FR-07562KL
182K05203S	Conn., Mini-PCIe 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
141B25603I	XTAL, Industrial, 25.000Mhz, 18pF, 30PPM, 3.2x2.5mm, 4 pads, SMT	X1, X2,	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
151B10600S	Cap., 10uF, 10V, X5R, 20%, 0402	C14, C15, C154, C16, C17, C69, C82,	CAL-CHIP GMC04X5R106M10NT EYANG C0402X5R106M100NTC Fenghua 0402X106M100NT SAMSUNG_ELECTRO CL05A106MP5NUNC SAMSUNG_ELECTRO CL05A106MP5N[U R][B8 NC] Walsin 0402X106M100CT

151B22500S	Cap., 2.2uF, 10V, X5R, 10%, 0402	C239, C254, C262,	CAL-CHIP GMC04X5R225K10NT Murata GRT155R61A225KE01D SAMSUNG_ELECTRO CL05A225KP5NNNC SAMSUNG_ELECTRO CL05A225KP5N[N[S]NC SAMSUNG_ELECTRO CL05A225KP5NSNC TDK C1005X5R1A225K050BC Walsin 0402X225K100CT Yageo (Brightking) CC0402KRX5R6BB225
161C14721S	Res., 14.7K, 1%, 0402, 1/16W	R30,	Royalohm 0402WGF1472TCE SAMSUNG_ELECTRO RC1005F1472CS Viking CR- 02FL6--14K7 Walsin WR04X1472FTL Yageo (Brightking) RC0402FR-0714K7L
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
151B47500S	Cap., 4.7uF, 10V, 20%, X5R, 0402	C138, C139, C145, C147, C23, C233, C240, C241, C247, C248, C25, C251, C256, C259, C265, C266, C267, C271, C273, C275, C281, C283, C287, C289, C292,	Murata GRM155R61A475MEAAD SAMSUNG_ELECTRO CL05A475KP5NRNC TDK C1005X5R1A475K050BC Yageo (Brightking) CC0402KRX5R6BB475
151C10611S	Cap., 10uF, 25V, X5R/X7R, 20%, 0603	C245,	Murata GRM188R61E106MA73D SAMSUNG_ELECTRO CL10A106MA8NRNC TDK C1608X5R1E106M080AC
123V30000S	IC, Volt Reg., Step down, 3A, Vin=4.5V..36V, Vo=0.8V..30V, RT7272B, SOP-8	U29, U30, U32, U40,	Richtek RT7272BGSP
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
147A6R802S	Inductor, 6.8uH, Irms>=4A, Isat>=4A, DCR < 76mohm	L21, L22, L32,	BOURNS SRP5030T-6R8M Erocore MPS0530S-6R8M
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)

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
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 Murata CR1632 Panasonic_batteries BR-1632/DBN RENATA CR1632
190Z00300S	Battery holder for 16mm cell battery, H=4mm max, SMT	BH1,	KST MY-1632-02-R {KST-1618} RENATA SMTM1632.TR
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
151E22410S	Cap., 220nF, 100V, X7R/X7S, 20%, 0603	C207,	CAPAX 0603X224K101SNT Taiyo_yuden HMK107C7224KAHTE Taiyo_yuden MBASH168SC7224KTCA01
182K01300S	Conn., Micro-SD, Push/pull type, With Card Detect, SMT	P4,	Molex 105162-0001 Molex 105162-0101 Molex 105162-[10 01 00]01
161C12001S	Res., 120R, 1%, 0402, 1/16W	R6,	Fenghua RC-02K1200FT Royalohm 0402WGF1200TCE Walsin WR04X1200FTL Yageo (Brightking) RC0402FR-07120RL
151B22600S	Cap., 22uF, 6.3V, X5R/X6S, 20%, 0402	C41, C46,	CAL-CHIP GMC04X5R226M6R3NT CAPAX 0402B226[K M]6R3SNT SAMSUNG_ELECTRO CL05A226MQ5N6J8 Yageo (Brightking) CC0402MRX5R5BB226
124S10070S	IC, Analog, 4-Lane DisplayPort DPDT switch, 3.3V, MAX14998, QFN-42	U63,	MAXIM (Analog Devices) MAX14998ETO+ MAXIM (Analog Devices) MAX14998ETO+T
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
131D10160S	Transistor, N-MOSFET, 1A, 30V, RDS	Q11, Q12, Q13, Q14, Q15,	NXP (Freescale) BSH103BKR

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
151D10630S	Cap., 10uF, 50V, X7R, 20%, 1206	C162, C163,	CAL-CHIP GMC31X7R106K50NT SAMSUNG_ELECTRO CL31B106KBHNNNE TDK C3216X7R1H106K160AC
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
117A10070S	IC, Periph., WM8962B, LP Audio Stereo codec, I2S, w/Headphone Amplifier, (1.8-2.5V VIO), BGA-49	U37,	Cirrus_Logic WM8962BECSN/R
383B52531S	Spacer, Round, M2 Threaded, H=4mm, For 1.6mm PCB thickness, SMT	SP5, SP6,	MAC8 TH-1.6-4.0-M2
116A00640S	IC, Interface, 10/100TX/1000 PHY, RGMII (1.5V<RGMII_VIO	U13, U14,	REALTEK RTL8211FD-CG REALTEK RTL8211FD(I)-CG
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
170F10010	Switch, Slide, SPST, On-Off, 16x10x8mm, TH	SW1,	CW Industries GF-123-0054
613W01015S	Communication Equipment, WiFi 6 + BT5.3, 1Tx1R, SDIO/UART, M.2 1216, Laird 453-00157 (Sona NX611)	U8,	Laird (Ezurio) 453-00157C Laird (Ezurio) 453-00157[R C]
188C04740	PCB, SBC-MCM95, Rev 1.0	PCB1,	Q&D Circuits 188C04740, IMG Unitech 188C04740, IMG

106C20000S	IC, Logic, MicroGate, NC7SZ00P5, 2-input NAND gate, SC70	U12,	FAIRCHILD (ON Semiconductors) 74LVC1G00GW,125 FAIRCHILD (ON Semiconductors) NC7SZ00P5 FAIRCHILD (ON Semiconductors) NC7SZ00P5X FAIRCHILD (ON Semiconductors) NL17SZ00DFT2G FAIRCHILD (ON Semiconductors) NL17SZ00DFT2G NXP (Freescale) 74LVC1G00GW,125 NXP (Freescale) 74LVC1G00GW(/C2),125 NXP (Freescale) 74LVC1G00GW/C2,125 ON_Semiconductors NL17SZ00DFT2 ON_Semiconductors NL17SZ00DFT2G ON_Semiconductors NL17SZ00DFT2G-L22038 TOSHIBA TC7SZ00FU
151B10400S	Cap., 100nF, 10V, X7R/X5R, 10%, 0402	C137, C277, C278, C35, C48,	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
161C00005S	Res., 0R, 5%, 0402, 1/16W	R1, R141, R142, R159, R160, R179, R2, R20, R21, R59, R61,	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



161C10021S	Res., 10K, 1%, 0402, 1/16W	R13, R149, R169, R170, R171, R172, R173, R174, R175, R178, R34, R47, R49, R5, R57, R6, R62, R7, 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
161C20001S	Res., 200R, 1%, 0402, 1/16W	R136, R143, R144, R147, R148,	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
161C15001S	Res., 150R, 1%, 0402, 1/16W	R177,	PDC FCR02FV1500 Royalohm 0402WGF1500TCE SAMSUNG_ELECTRO RC1005F1500CS TY-OHM RCM0402-1/16W-150R-F Walsin WR04X1500FTL Yageo (Brightking) RC0402FR-07150R Yageo (Brightking) RC0402FR-07150RL
161C30021S	Res., 30K, 1%, 0402, 1/16W	R145,	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
161C10011S	Res., 1K, 1%, 0402, 1/16W	R146, R185, R186, R22, R27, R36, R40,	Fenghua RC-02K1001FT PDC FCR02FV1001 Royalohm 0402WGF1001TCE SAMSUNG_ELECTRO RC1005F1001CS TY-OHM RCM0402-1/16W-1K-F Walsin WR04X1001FTL Yageo (Brightking) RC0402FR-071KL
151D15000S	Cap., 15pF, 50V, NPO, 5%, 0402	C169, C170,	AVX 04025A150JAT2A Epcos B37920K5150J60 Fenghua 0402CG150J500NT Kemet (Yageo) C0402C150J5GAC Murata GRM1555C1H150JA01D Murata GRP15X5C1H150JD11E SAMSUNG_ELECTRO CL05C150JB[3]5JNNNC SAMSUNG_ELECTRO CL05C150JB3NNNC SAMSUNG_ELECTRO CL05C150JB5NNNC TDK C1005C0G1H150JT VISHAY VJ0402A150JXAAC Walsin 0402N150J500[C]L]T Walsin 0402N150J500CT Walsin 0402N150J500LT

106C20320S	IC, Logic, MicroGate, NC7SZ32, 2 Input OR gate, SC70	U11,	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
161C22015S	Res., 2.2K, 5%, 0402, 1/16W	R137, R138, R139, R140,	Fenghua RC-02K222JT Royalohm 0402WGF2201TCE Royalohm 0402WGJ0222TCE SAMSUNG_ELECTRO RC1005J222CS Walsin WR04X222_[F J]TL Walsin WR04X222_FTL Walsin WR04X222_JTL Yageo (Brightking) RC0402JR-072K2L
161C10031S	Res., 100K, 1%, 0402, 1/16W	R150, R151, R152, R153, R154, R155, R17, R30, R4, R44,	Fenghua RC-02K1003FT Royalohm 0402WGF1003TCE SAMSUNG_ELECTRO RC1005F1003CS Walsin WR04X1003FTL Yageo (Brightking) RC0402FR-07100KL
15502R600S	Cap., RF, 2.4pF, NPO, 50V, +- 0.5pF, 0402	C171, C172,	ATC 600L2R4CT200(X)T Johanson_Dielectrics 500R07S2R4[C D]Y3T Murata GRM1555C1H2R4[C G]A01D SAMSUNG_ELECTRO CL05C2R4[D C]B5GCNC Walsin 0402N2R4C500CT Walsin HH15N2R4[C D]500LT
151B10500S	Cap., 1uF, 6.3V, X5R/X7R, 20%, 0402	C136, C17, C30, C31, C32, C33,	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
106C20570S	IC, Logic, MicroGate, NC7SZ57, Univ Cfg 2-In gate, AND,NAND,NOR,XOR	U13,	FAIRCHILD (ON Semiconductors) NC7SZ57L6X NXP (Freescale) 74LVC1G57GM,115 NXP (Freescale) 74LVC1G57GM[,115 ,132] NXP (Freescale) 74LVC1G57GM,132

151A22500S	Cap., 2.2uF, 6.3V, X5R/X7R, 20%, 0402	C128, C134, C20, C65,	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[B J]C6J225[K M]V-F
141B32301I	XTAL, Industrial, 32.768Khz, 20PPM, 3.2x1.5mm SMT, -40+85C	X2,	ABLIC (SII Seiko) Q-SC32S03220C5AAAF ABLIC (SII Seiko) Q-SC32S03220C5AAAF {SC32S-12.5PF20PPM} ABLIC (SII Seiko) SC32S03220C5AAAF ABLIC (SII Seiko) SC32S-12.5PF20PPM {Q-SC32S03220C5AAAF} Epson FC-135 3276800kHz 12.5+20.0-20.0 {Q13FC1350000400} Frontier Electronics FTX32.768K12.5SM3-20DL16 IQD CFPX-206C IQD CFPX-217 {LFX TAL009678} IQD Q-SC32S03220C5AAAF IQD Q-SC32S03220C5AAAF Micro Crystal CM7V-T1A32.768kHz12.5pF20ppm Micro Crystal CM7V-T1A32.768kHz12.5pF20ppm(TAQC) NDK NX3215SA-32.768K-STD-MUA-4 NDK NX3215SA-32.768K-STD-MUA-[4 8] NDK Q-SC32S03220C5AAAF NDK SC32S-12.5PF20PPM Raltron RT3215-32.768-12.5-TR SJK SJK-7L-32.768-12.5-20-70-C Taijing Technology (TKD) SF32K32768D31T-12.5B {SF32WK32768D31T002} TAI_TIEN XDMCZLNDDF-0.032768 Tech-Time FS3-32.768KHZ-12.5-48-2-R Transko CS31-32.768K-12.5-TR Yoketan S3215C-032768-F12BAA Yoketan S3215C-032768-F12BAA(C) Yoketan S3215C-032768-F12BAAC
131D31540S	Transistor, N-MOSFET, Dual, 20V, 0.5A, vgs(th)=0.6V, NTZD3154NT	Q2,	DIODES_Inc (Pericom) DMN32D2LV-7 MCC SIX3134KA-TP ON_Semiconductors NTZD3154NT1G ON_Semiconductors NTZD3154NT5G VISHAY Si1036X-T1-GE3
161C24003S	Res., 240R, 0.5%, 0402, 1/16W	R48,	Fenghua RC-02K2400DT Royalohm 0402WGD2400TCE SAMSUNG_ELECTRO RC1005F241CS Viking AR02DTD(X)2400 Viking CR-02DL6--240R Walsin WF04H2400DTL Yageo (Brightking) RC0402DR-07240RL Yageo (Brightking) RE0402DRE07240RL Yageo (Brightking) RE0402DRE07240RL Yageo (Brightking) RT0402[B D]RE07240RL Yageo (Brightking) RT0402BRE07240RL Yageo (Brightking) RT0402DRE07240RL

161C51111S	Res., 5.11K, 1%, 0402, 1/16W	R32, R33, R45, R46,	SAMSUNG_ELECTRO RC1005F5111CS Walsin WR04X5111FTL Yageo (Brightking) RC0402FR-075K11L
147D22100S	Ferrite Bead, Z=220R@100Mhz, 300mA, 0.35 Ohm DCR, 0402	FB4,	Chilisin (PULSE) BBSY00100505221Y00 Chilisin (PULSE) SBY100505T-221Y-N Murata BLM15AG221SN1D SAMSUNG_ELECTRO CIM05U221NC Taiyo_yuden BKP1005HS221-T Yageo (Brightking) HFY100505T-221Y-NP
147D22101S	Ferrite Bead, Z=220R@100Mhz, 2A, 0.05 Ohm DCR, 0603	FB3,	Chilisin (PULSE) PBJ 160808T-221Y-N Laird (Ezurio) MI0603L221R-10 Murata BLM18KG221SN1D TDK MPZ1608S221ATA00 TDK MPZ1608S221AT[A00][D25] Tri-Tron (Sunborn) HTBS160808A221 RDC05
151B104B0S	Cap., 100nF, 6.3V, X5R, 10%, 0201	C160, C161, C162, C163, C176, C431, C432, C433, C434,	CAL-CHIP GMC02X5R104K6R3NT EYANG C0201X5R104K100NTA Fenghua 0201X104K100NT Fenghua 0201X104K100NT Fenghua 0201X104K100NT Fenghua 0201X104K6R3NT Hitano 0201X104K063NV Murata GMD033R60J104KE11D Murata GRM033R60J104KE19D Murata GRM033R60J104KE19D Murata GRM033R6[0J]1A]104KE1[5]9]D Murata GRM033R61A104KE15D SAMSUNG_ELECTRO CL03A104KQ3NNNC SAMSUNG_ELECTRO CL03A104KQ3NNN[C]E] Viking MC01KTX6V3104 Walsin 0201X104K6R3CT Yageo (Brightking) CC0201KRX5R5BB104
151C224B0S	Cap., 220nF, 10V, X5R, 0201, 10%, 0201	C124, C129, C135, C164, C165, C166, C167,	CAL-CHIP GMC02X5R224[K M]10NT(LF) CAL-CHIP GMC02X5R224M10NT Fenghua 0201X224[K M]100NT Fenghua 0201X224M100NT Hitano C0201X224K160NV Kemet (Yageo) C0201C224K4PAC Murata GRM033R61A224KE90D Murata GRM033R61A224ME90D Taiyo_yuden EMK063BJ224KP Taiyo_yuden EMK063BJ224KP-F Taiyo_yuden LMK063BJ224[K M]P-F Taiyo_yuden LMK063BJ224MP-F TDK C0603X5R1A224K030BB TDK C0603X5R1A224KT(00NN) TDK C0603X5R1A224KT00NN TDK C0603X5R1C224KT Viking MC01KTX250224 Yageo (Brightking) CC0201KRX5R6BB224
147AR4700S	Inductor, 0.47uH, Irms=>3.4A, Isat=>3.8A, DCR<=39mOhm, 2520	L3, L4, L5,	Chilisin (PULSE) BDUE00252012R47MQ1 Sunlord WPN252012ER47MT Taiyo_yuden MAMK2520TR47M TOKO (Murata) 1239AS-H-R47M=P2 Tri-Tron (Sunborn) SDB2512-R47M
111S31000S	IC, Memory, EEPROM, 24C08, 1Kx8, 16-bytes page size, 1.8- 5.5V, I2C interface, DFN-8	U10,	ON_Semiconductors CAT24C08HU4I-GT3 Puya P24C08D-UNH-MIR ST M24C08-FMC6TG

151A47610S	Cap., 47uF, 6.3V, X5R, 20%, 0603	C36, C37, C43, C44, C45, C54, C55, C56, C57,	Murata GRM188R60J476ME15D SAMSUNG_ELECTRO CL10A476MQENRBE
141B24605I	XTAL, Industrial, 24.000Mhz, 7pF, 10PPM, 250uW, 3.2x2.5mm, 4 pads, SMT	X3,	Siward XTL571300NLE-24.000-7R(-TR) {XTL571300-B29-818 250uW} Siward XTL571300NLE-24.000-7R-TR XTL571300-B29-818{250uW} Siward XTL571300NLE-24.000-7R {XTL571300-B29-818 250uW} Yoketan S3225A-024000-T07ABAAC
151B10600S	Cap., 10uF, 10V, X5R, 20%, 0402	C114, C115, C116, C117, C118, C119, C120, C121, C122, C211, C213, C214, C215, C216, C219, C220, C221, C258, C260, C261, C262, C263, C264, C265, C266, C268, C276, C281, C39, C42, C50, C51, C62, C73, C76,	CAL-CHIP GMC04X5R106M10NT EYANG C0402X5R106M100NTC Fenghua 0402X106M100NT SAMSUNG_ELECTRO CL05A106MP5NUNC SAMSUNG_ELECTRO CL05A106MP5N[U R][B8 NC] Walsin 0402X106M100CT
151B47500S	Cap., 4.7uF, 10V, 20%, X5R, 0402	C10, C21, C22, C23, C34, C47, C8, C9,	Murata GRM155R61A475MEAAD SAMSUNG_ELECTRO CL05A475KP5NRNC TDK C1005X5R1A475K050BC Yageo (Brightking) CC0402KRX5R6BB475
139A10260S	LED, Green, SMT, 0603	DS1,	EVERLIGHT 19-21/G6C-AM2P1/3T KingBright APT1608SGC KingBright KPT-1608-ML02A1 LiteON LTST-C191KGKT TOYO LED TY-Y0603UG1(0.60)
151B105B0S	Cap., 1uF, 6.3V, X5R/X7R, 20%, 0201	C102, C105, C106, C107, C109, C112, C123, C175, C177, C18, C182, C188, C19, C200, C202, C218, C259, C267, C285, C52, C53, C59, C60, C64, C66, C67, C68, C71, C72, C74, C78, C79, C81, C86, C87, C88, C91, C95, C98, C99,	Kyocera (AVX) 02016D105MAT2A Murata GRM033R60J105MEA2D SAMSUNG_ELECTRO CL03A105MQ3CSNC SAMSUNG_ELECTRO CL03A105MQ3CSN[C H] SAMSUNG_ELECTRO CL03A105MQ3CSNH Taiyo_yuden JMK063ABJ105MP-F TDK C0603X5R0J105M030BC Yageo (Brightking) CC0201[M K][P R]X5R5BB105
111M33602S	IC, Memory, MLC FLASH, eMMC v5.0/5.1, 153 ball, 64GB	U6,	
161C12001S	Res., 120R, 1%, 0402, 1/16W	R50,	Fenghua RC-02K1200FT Royalohm 0402WGF1200TCE Walsin WR04X1200FTL Yageo (Brightking) RC0402FR-07120RL

151B22600S	Cap., 22uF, 6.3V, X5R/X6S, 20%, 0402	C13, C14, C15, C16, C217, C24, C25, C250, C26, C27, C274, C28, C29, C40, C41, C46,	CAL-CHIP GMC04X5R226M6R3NT CAPAX 0402B226[K M]6R3SNT SAMSUNG_ELECTRO CL05A226MQ5N6J8 Yageo (Brightking) CC0402MRX5R5BB226
111L53101S	IC, Memory, LPDDR5-7500, 64Gbit (2Gx32), Quad-Die, 1.8V/1.05V/0.5V, BGA-315	U5,	
147AR1000S	Inductor, 0.1uH, Irms=15A, Isat=22A, 4.5mOhm DCR MAX	L6,	Coiltronics (EATON_Bussmann) HCM1A4020V2-R10-R PULSE BMMA00040420R10MV1 Sumida 0420CDMCCDS-R10MC
116B00640S	IC, Periph, RTC, RX8900CE, I2C, With 32.768Khz, DTCXO, Vin=1.6-5.5V, 3.2x2.5mm	U14,	Epson RX8900CE:UB(0) {X1B0003010002} Epson RX8900CE:UB0 {X1B0003010002} Epson RX8900CE:UB {X1B0003010002}
123M0R703S	IC, Volt. Reg., PMIC for i.MX9x, PF09	U1,	NXP (Freescale) PPF0900AMDA0ES NXP (Freescale) PPF0900AVNA1ES
123V1R201S	IC, Volt Reg., Core Supply Regulator with AVP and Watchdog, Vin 2.7V-5.5V, Vout 0.5V-1.2V, 8A, PF5301	U3,	NXP (Freescale) MPF5301AMMA0ES NXP (Freescale) PPF5301AVMABEP NXP (Freescale) PPF5301AVNABEP
123V1R202S	IC, Volt Reg., Core Supply Regulator with AVP and Watchdog, Vin 2.7V-5.5V, Vout 0.5V-1.2V, 15A, PF5302	U2,	NXP (Freescale) MPF5302AMMA0ES NXP (Freescale) PPF5302AVMAAEP NXP (Freescale) PPF5302AVNAAEP
115A01154S	IC, CPU, i.MX95 Hexa Core, 1.8Ghz, NPU, GPU, VPU, Not LIDDED, BGA-19x19	U4,	NXP (Freescale) PIMX9596AVZXNAB NXP (Freescale) PIMX9596CVYXNAB NXP (Freescale) PIMX9596CVZXNAB NXP (Freescale) PIMX9596CVZXNAC {IMX95-PP-SAMP-19C} NXP (Freescale) PIMX9596XVZXNAC
147AR4702S	Inductor, 0.47uH, Irms=>3.8A, Isat=>5A, DCR<=35mOhm, 2520	L1, L2,	BOURNS SRN2512-R47M Sunlord WPN252012ER47MT

147AR1001S	Inductor, 0.1uH, Irms=9A, Isat=11A, 9mOhm DCR MAX	L7,	BOURNS SRP3020TA-R10Y Laird (Ezurio) MGV0302R10N-10 PULSE P[A M]5401.101NLT VISHAY IHLP1212ABEVR10M5A VISHAY IHLP1212BZEVR10M51
151B475B0S	Cap., 4.7uF, 6.3V, X5R, 20%, 0201	C11, C12,	CAL-CHIP GMC02X5R475M6R3NT Murata GRM035R60J475ME15D SAMSUNG_ELECTRO CL03A475MQ5C65
188C04710	PCB, MCM-iMX95, Rev 1.0	PCB1,	Unitech 188C04710, IMG
503M016190	Assembled PCB, MCM-iMX95- C1800HM-D8-N64	U2,	Compulab MCM-iMX95-C1800HM-D8-N64, Rev 1.0