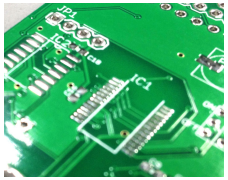
SKAARHOJ

EAGLE BOM and Soldering Guide

This tool is intended to help you in soldering or populating PCBs manually by showing a front- and backside view of components including highlighting similar components. This makes it easy to pick the right amount of the same components in one go and locate their position. Also, this tool creates a grouped BOM list which makes it easier to prepare a comma separated BOM for PCBA services such as the one Seeed Studio hosts.

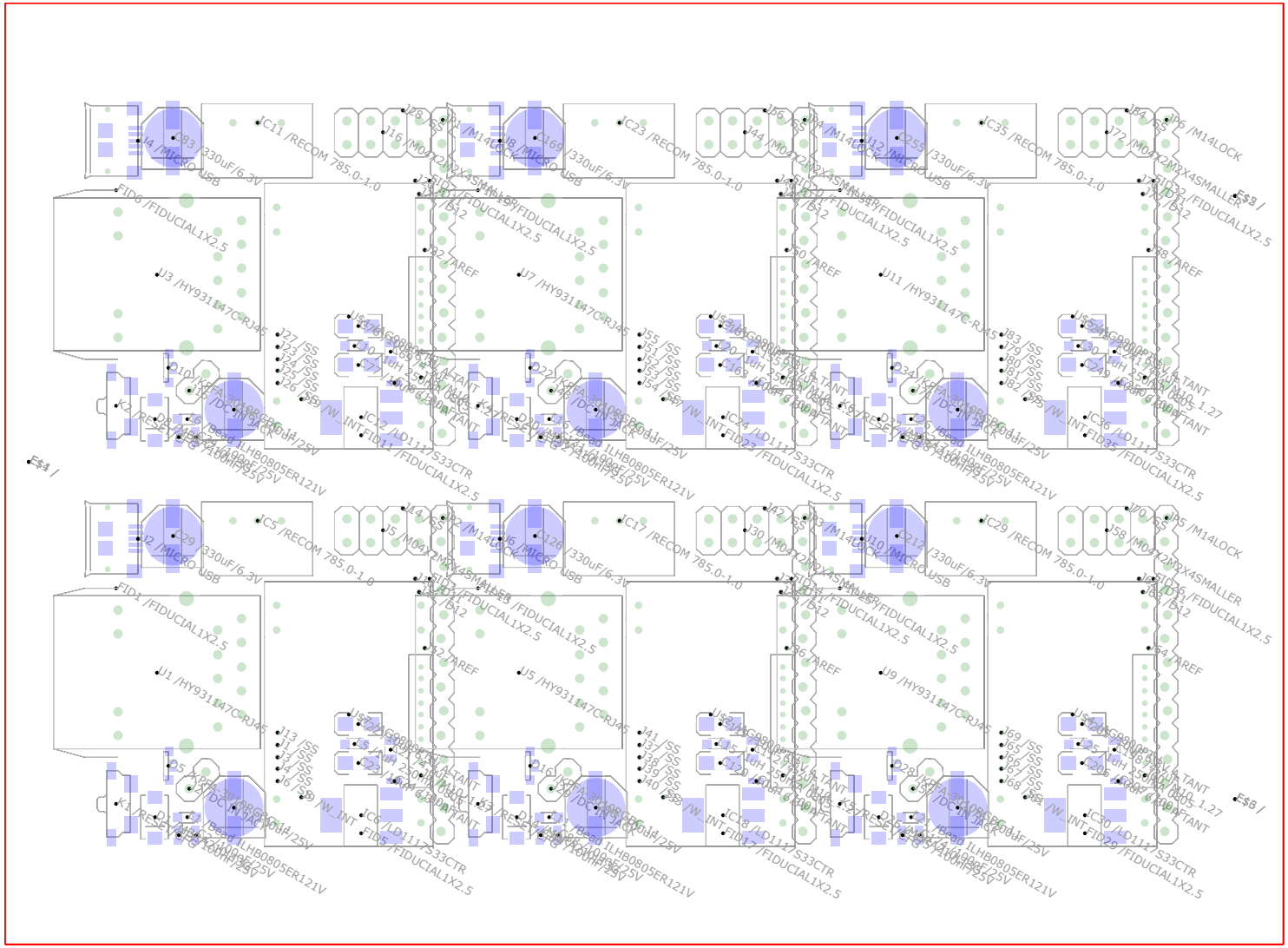


BoM (grouped):

xxx, 6, C1 C133 C176 C219 C36 C90, C==100uF/25V/PANASONIC_D
xxx, 12, C10 C12 C137 C141 C180 C184 C223 C227 C51 C55 C94 C98, C==1uF/0402C
xxx, 12, C100 C101 C143 C144 C186 C187 C229 C230 C57 C58 C6 C7, C==6.8nF/0402C
xxx, 24, C102 C103 C122 C123 C145 C146 C16 C165 C166 C17 C188 C189 C208 C209 C231 C232 C25 C251 C252 C26 C59 C60 C79 C80, C==22pF/0402C
xxx, 96, C104 C105 C106 C107 C109 C113 C114 C115 C116 C117 C118 C121 C127 C13 C134 C135 C136 C14 C147 C148 C149 C15 C150 C152 C156 C157 C158 C159 C160 C161 C164 C170 C177 C178 C179 C190 C191 C192 C193 C195 C199 C200 C201 C202 C203 C204 C207 C213 C220
xxx, 6, C108 C151 C18 C194 C237 C65, C==22uF/6.3V/0805
xxx, 6, C11 C130 C173 C216 C33 C87, C==22uF/0805
xxx, 6, C110 C153 C19 C196 C239 C67, C==10uF/16V/0805
xxx, 12, C111 C138 C154 C181 C197 C20 C224 C240 C52 C68 C9 C95, C==10nF/0402C
xxx, 6, C112 C155 C198 C21 C241 C69, C==4.7uF/0805
xxx, 18, C119 C120 C129 C162 C163 C172 C205 C206 C215 C22 C23 C248 C249 C258 C32 C76 C77 C86, C==10uF6.3VATANT/EIA3216
xxx, 12, C124 C125 C167 C168 C210 C211 C253 C254 C27 C28 C81 C82, C==18pF/0402C
xxx, 6, C126 C169 C212 C255 C29 C83, C==330uF/6.3V/PANASONIC_D
xxx, 6, C128 C171 C214 C257 C31 C85, C==100nF/25V/0402C
xxx, 18, C131 C132 C140 C174 C175 C183 C2 C217 C218 C226 C3 C34 C35 C4 C54 C88 C89 C97, C==100nF/25V/C0402
xxx, 6, C139 C182 C225 C5 C53 C96, C==10uF/25V/0805
xxx, 6, C142 C185 C228 C56 C8 C99, C==22nF/0402C
xxx, 6, D1 D14 D20 D26 D32 D8, D==MBRA210LT3G/SMA-DIODE
xxx, 6, D10 D16 D22 D28 D34 D5, D==KPFA-3010RGBC-11/LED-TRICOLOR-SMD
xxx, 12, D11 D15 D17 D2 D21 D23 D27 D29 D3 D33 D35 D9, D==SMAJ58CA/SMA-DIODE
xxx, 12, D12 D13 D18 D19 D24 D25 D30 D31 D36 D4 D6 D7, D==MBR0520/SOD-123
xxx, 3, E$1 E$2 E$3, E$==/FIDUCIAL-1.5X3
xxx, 3, E$4 E$5 E$6, E$==/FIDUCIAL-1.5X3_BOTTOM
xxx, 6, F1 F2 F3 F4 F5 F6, F==SMD-PPTC-500MA-15V(1812)/F1812
xxx, 36, FID1 FID10 FID11 FID12 FID13 FID14 FID15 FID16 FID17 FID18 FID19 FID2 FID20 FID21 FID22 FID23 FID24 FID25 FID26 FID27 FID28 FID29 FID3 FID30 FID31 FID32 FID33 FID34 FID35 FID36 FID4 FID5 FID6 FID7 FID8 FID9, FID==FIDUCIAL1X2.5/FIDUCIAL-1X2.5
xxx, 6, FTDI-RESET FTDI-RESET1 FTDI-RESET2 FTDI-RESET3 FTDI-RESET4 FTDI-RESET5, FTDI-RESET==SOLDERJUMPERNO/SJ_2S-NO
xxx, 6, IC1 IC13 IC19 IC25 IC31 IC7, IC==FT232RQ/QFN32
xxx, 6, IC10 IC16 IC22 IC28 IC34 IC4, IC==WizNetW5500/LQFP-48
xxx, 6, IC11 IC17 IC23 IC29 IC35 IC5, IC==RECOM785.0-1.0/RECOM_785.0-1.0
xxx, 6, IC12 IC18 IC24 IC30 IC36 IC6, IC==LD1117S33CTR/SOT-223
xxx, 6, IC14 IC20 IC26 IC3 IC32 IC8, IC==APX811-44UG-7/SOT143-R
xxx, 6, IC15 IC2 IC21 IC27 IC33 IC9, IC==ATMEGA1284P/QFN-44M1
xxx, 42, J1 J13 J14 J17 J23 J24 J25 J26 J27 J28 J3 J31 J37 J38 J39 J4 J40 J41 J42 J45 J51 J52 J53 J54 J55 J56 J59 J6 J65 J66 J67 J68 J69 J7 J70 J73 J79 J80 J81 J82 J83 J84, J==SS/M1X1
xxx, 6, J10 J20 J34 J48 J62 J76, J==D11/M1X1
xxx, 6, J11 J21 J35 J49 J63 J77, J==D12/M1X1
xxx, 6, J12 J22 J36 J50 J64 J78, J==AREF/M1X1
xxx, 6, J15 J2 J29 J43 J57 J71, J==DCINJACK/1X02
xxx, 6, J16 J30 J44 J5 J58 J72, J==M04X2M2X4SMALLER/M2X4SMALLER
xxx, 6, J18 J32 J46 J60 J74 J8, J==M10_1.27/M10X1
xxx, 6, J19 J33 J47 J61 J75 J9, J==W_INT/M1X1
xxx, 6, JP1 JP2 JP3 JP4 JP5 JP6, JP==M14LOCK/1X14_LOCK
xxx, 6, K1 K2 K3 K4 K5 K6, K==RESET/CFG/SW4-SMD-7.0X3.5X3.5MM-90D
xxx, 18, L1 L11 L12 L13 L16 L17 L18 L2 L21 L22 L23 L26 L27 L28 L3 L6 L7 L8, L==BeadILHB0805ER121V/L2012C
xxx, 6, L10 L15 L20 L25 L30 L5, L==1uH250mA0805/L2012C
xxx, 6, L14 L19 L24 L29 L4 L9, L==BeadILHB0805ER121V/0805
xxx, 6, R1 R111 R31 R51 R71 R91, R==10R/1%/0402
xxx, 12, R10 R105 R106 R11 R25 R26 R45 R46 R65 R66 R85 R86, R==22R/0402
xxx, 12, R100 R113 R120 R13 R20 R33 R40 R53 R60 R73 R80 R93, R==1M/0402
xxx, 12, R101 R115 R15 R21 R35 R41 R55 R61 R7 R75 R81 R95, R==10K/0402
xxx, 6, R102 R22 R42 R6 R62 R82, R==2K7/0402
xxx, 6, R103 R23 R43 R5 R63 R83, R==540R/0402
xxx, 6, R104 R24 R4 R44 R64 R84, R==390R/0402
xxx, 12, R107 R108 R27 R28 R47 R48 R67 R68 R8 R87 R88 R9, R==1K/0402
xxx, 12, R109 R110 R2 R29 R3 R30 R49 R50 R69 R70 R89 R90, R==470R/0402
xxx, 6, R112 R12 R32 R52 R72 R92, R==100K/0402
xxx, 6, R114 R14 R34 R54 R74 R94, R==12K4/1%/0402
xxx, 12, R116 R117 R16 R17 R36 R37 R56 R57 R76 R77 R96 R97, R==100R/0402
xxx, 12, R118 R119 R18 R19 R38 R39 R58 R59 R78 R79 R98 R99, R==1K5/0402
xxx, 6, RN1 RN10 RN12 RN4 RN6 RN8, RN==33R/CAY16
xxx, 6, RN11 RN2 RN3 RN5 RN7 RN9, RN==49R91%/CAY16
xxx, 6, U$1 U$2 U$3 U$4 U$5 U$7, U$==AG9800PTH/AG9800PTH
xxx, 6, U1 U11 U3 U5 U7 U9, U==HY931147C-RJ45/HY931147C
xxx, 6, U10 U12 U2 U4 U6 U8, U==MICROUSB/MICRO-USB5+4P-SMD-0.65-B
xxx, 6, USBVCC USBVCC1 USBVCC2 USBVCC3 USBVCC4 USBVCC5, USBVCC==SOLDERJUMPERNC/SJ_2S
xxx, 6, Y1 Y10 Y12 Y4 Y6 Y8, Y==20MhZ/X2-SMD-5.0X3.2X1.3MM
xxx, 6, Y11 Y2 Y3 Y5 Y7 Y9, Y==25MhZ/X2-SMD-5.0X3.2X1.3MM
xxx, 12, Z1 Z10 Z11 Z12 Z2 Z3 Z4 Z5 Z6 Z7 Z8 Z9, Z==PGB1010603/C0402

Zoom level 1 | Text 30 degress

Top:



Bottom: