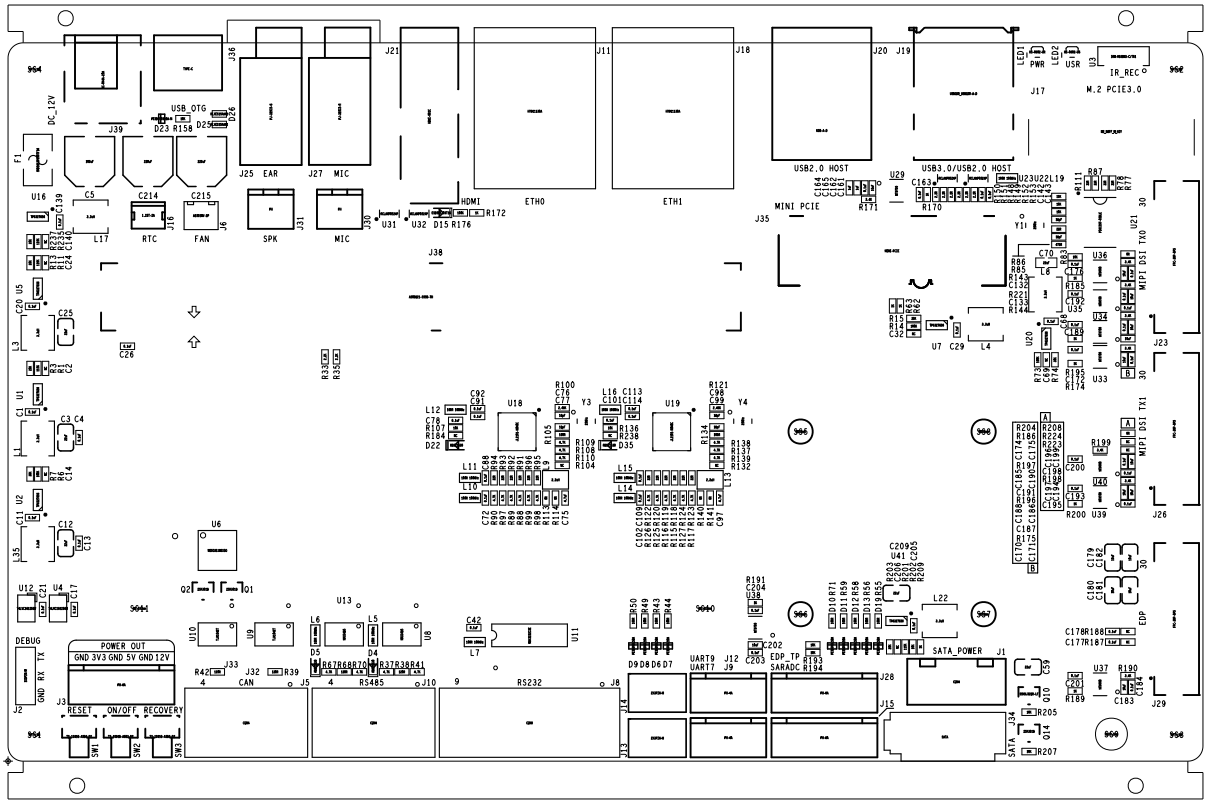
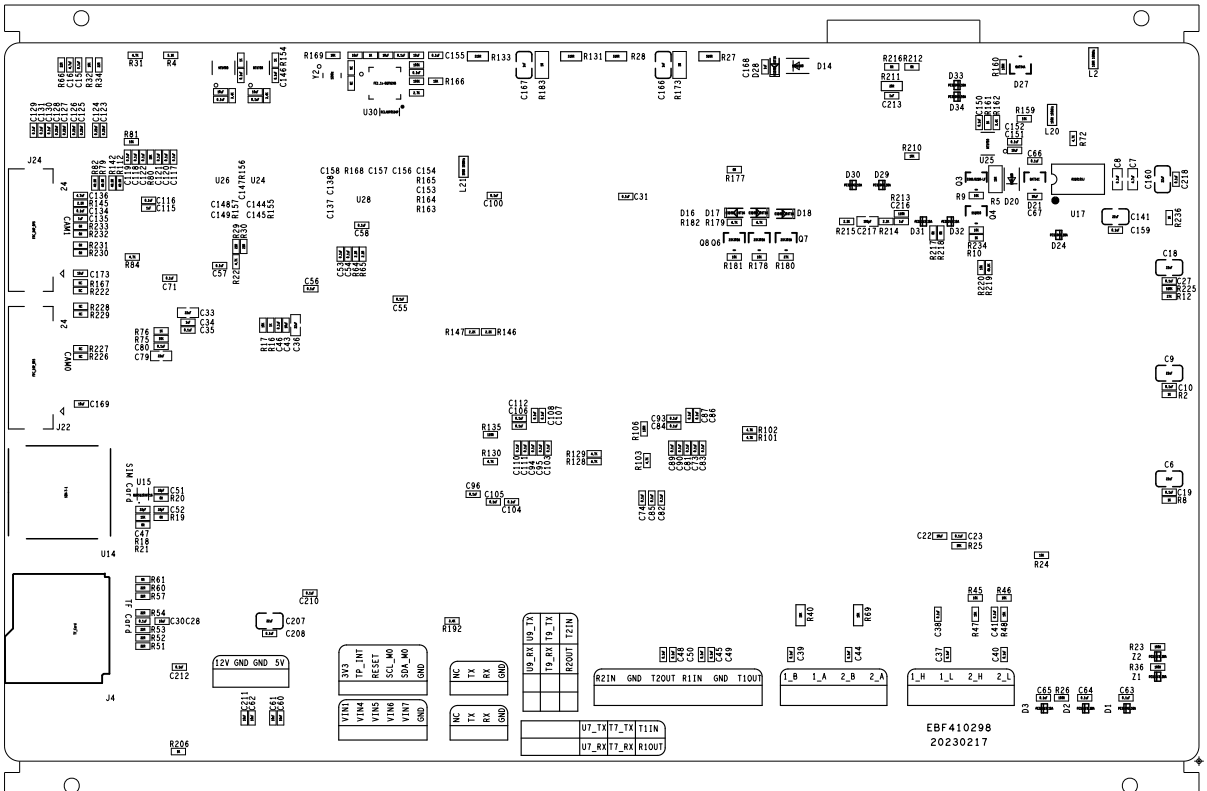

DC_12V
F1
USB_OTG
D23 R158
D25
J36
J24
J39
J25 EAR
J27 MIC
J21
J11
J18
J20 J19
LED1 PWR
LED2 USR
U3
IR_REC
J17
M.2 PCIE3.0
U16
C5
C139
C214
C215
L17
RTC
FAN
SPK
MIC
J16
J6
J31
J30
U31
U32 D15 R176
HDMI
R172
ETH0
ETH1
J38
USB2.0 HOST
MINI PCIE
J35
USB3.0/USB2.0 HOST
U29
R171
R170
U23 U22 L19
R87
R111
R77
R79
Y1
U21
MIPI DSI TX0
J23
C20 U5
C25
C26
L3
R3
R2
C1 U1
C3 C4
L1
R6
C14
C11 U2
C12
C13
J35
U12
C21
U4
C17
DEBUG
GND RX TX
J2
POWER OUT
GND 3V3 GND 5V GND 12V
J3
RESET ON/OFF RECOVERY
SW1
SW2
SW3
R42
J33
R39
CAN
J5
RS485
J10
RS232
J8
U6
Q2
Q1
U13
U10
U9
L6
L5
D5
D4
R67 R68 R70
R37 R38 R41
U8
C42
L7
U11
R33
R35
U18
U19
Y3
Y4
R100 C76 C77
R105
R109 R108 R110 R104
L16 C113 C101 C114
R136 R238 D35
R121 C98 C99
R134
R138 R137 R139 R132
L12 C78 R107 R184 D22
L11 L10
L15
L14
L13
C92 C91
C22 R90 R89 R88 R87 R86 R85 R84 R83 R82 R81 R80 R79 R78 R77 R76 R75 R74 R73 R72 R71 R70 R69 R68 R67 R66 R65 R64 R63 R62 R61 R60 R59 R58 R57 R56 R55 R54 R53 R52 R51 R50 R49 R48 R47 R46 R45 R44 R43 R42 R41 R40 R39 R38 R37 R36 R35 R34 R33 R32 R31 R30 R29 R28 R27 R26 R25 R24 R23 R22 R21 R20 R19 R18 R17 R16 R15 R14 R13 R12 R11 R10 R9 C15
C102 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C120 C121 C122 C123 C124 C125 C126 C127 C128 C129 C130 C131 C132 C133 C134 C135 C136 C137 C138 C139 C140 C141 C142 C143 C144 C145 C146 C147 C148 C149 C150 C151 C152 C153 C154 C155 C156 C157 C158 C159 C160 C161 C162 C163 C164 C165 C166 C167 C168 C169 C170 C171 C172 C173 C174 C175 C176 C177 C178 C179 C180 C181 C182 C183 C184 C185 C186 C187 C188 C189 C190 C191 C192 C193 C194 C195 C196 C197 C198 C199 C200 C201 C202 C203 C204 C205 C206 C207 C208 C209
R191
U38
U41
R203 R204 R205 R206 R207 R208 R209
D10 R71
D11 R59
D12 R58
D13 R56
D14 R55
L22
R200
U39
R109
U40
J26
MIPI DSI TX1
U36
U34
U35
U33
U20
U7 C29
L4
R86 R85 R143 C132 R221 C133 R144
R15 R14 C32
R22 R21 R20
R75 R74 R73 R72 R71
R95 R94 R93 R92 R91 R90 R89 R88 R87 R86 R85 R84 R83 R82 R81 R80 R79 R78 R77 R76 R75 R74 R73 R72 R71 R70 R69 R68 R67 R66 R65 R64 R63 R62 R61 R60 R59 R58 R57 R56 R55 R54 R53 R52 R51 R50 R49 R48 R47 R46 R45 R44 R43 R42 R41 R40 R39 R38 R37 R36 R35 R34 R33 R32 R31 R30 R29 R28 R27 R26 R25 R24 R23 R22 R21 R20 R19 R18 R17 R16 R15 R14 R13 R12 R11 R10 R9 R8 R7 R6 R5 R4 R3 R2 R1 R0 R174
C70 C83 C84 C85 C86 C87 C88 C89 C90 C91 C92 C93 C94 C95 C96 C97 C98 C99 C100 C101 C102 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C120 C121 C122 C123 C124 C125 C126 C127 C128 C129 C130 C131 C132 C133 C134 C135 C136 C137 C138 C139 C140 C141 C142 C143 C144 C145 C146 C147 C148 C149 C150 C151 C152 C153 C154 C155 C156 C157 C158 C159 C160 C161 C162 C163 C164 C165 C166 C167 C168 C169 C170 C171 C172 C173 C174 C175 C176 C177 C178 C179 C180 C181 C182 C183 C184 C185 C186 C187 C188 C189 C190 C191 C192 C193 C194 C195 C196 C197 C198 C199 C200 C201 C202 C203 C204 C205 C206 C207 C208 C209
R191
C204
U38
C202
C203
J12
EDP_TP
SARADC
R194
R193
UART9
UART7
J9
D9 D8 D6 D7
J14
J13
J28
J15
SATA_POWER
J1
C59
Q10
R205
Q14
R207
SATA
J34
U37
R190
C201
R189
C183
J29
EDP
C178 R188
C177 R187
C172
C182
C180
C181
U30
U37


12V GND GND 5V
3V3 TP_INT RESET SCL_MO SDA_MO GND
VIN1 VIN4 VIN5 VIN6 VIN7 GND
NC TX RX GND
NC TX RX GND
U9_RX U9_TX
T9_RX T9_TX
R2OUT T2IN
U7_TX T7_TX T1IN
U7_RX T7_RX R1OUT
R2IN GND T2OUT R1IN GND T1OUT
1_B 1_A 2_B 2_A
1_H 1_L 2_H 2_L
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