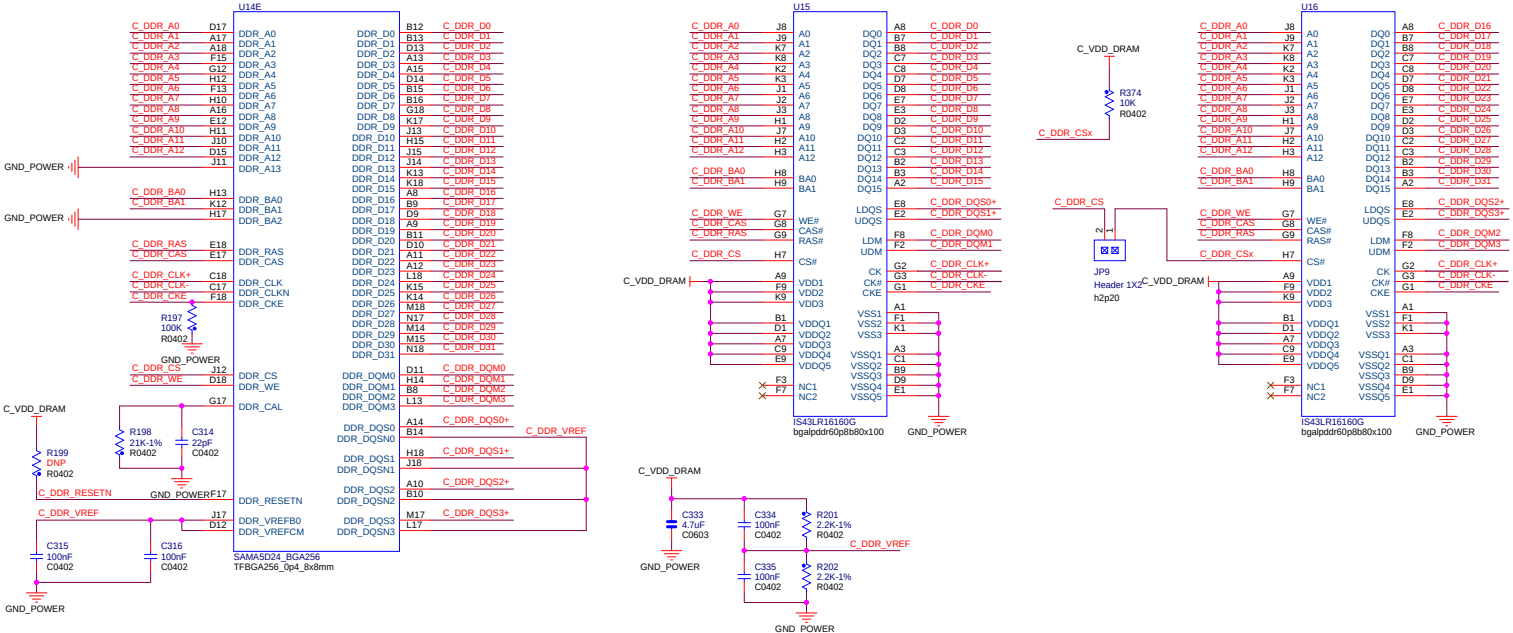
U14E
SAMA5D24_BGA256
TFBGA256_0p4_8x8mm
U15
IS43LR16160G
bgalpddr60p8b80x100
U16
IS43LR16160G
bgalpddr60p8b80x100
C_DDR_A0 D17
C_DDR_A1 A17
C_DDR_A2 A18
C_DDR_A3 F15
C_DDR_A4 G12
C_DDR_A5 H12
C_DDR_A6 F13
C_DDR_A7 H10
C_DDR_A8 A16
C_DDR_A9 E12
C_DDR_A10 H11
C_DDR_A11 J10
C_DDR_A12 D15
J11
GND_POWER
C_DDR_BA0 H13
C_DDR_BA1 K12
H17
GND_POWER
C_DDR_RAS E18
C_DDR_CAS E17
C_DDR_CLK+ C18
C_DDR_CLK- C17
C_DDR_CKE F18
R197
100K
R0402
GND_POWER
C_DDR_CS J12
C_DDR_WE D18
G17
C_VDD_DRAM
R198
21K-1%
R0402
C314
22pF
C0402
R199
DNP
R0402
C_DDR_RESETN
GND_POWER
F17
C_DDR_VREF J17
D12
C315
100nF
C0402
C316
100nF
C0402
GND_POWER
DDR_A0
DDR_A1
DDR_A2
DDR_A3
DDR_A4
DDR_A5
DDR_A6
DDR_A7
DDR_A8
DDR_A9
DDR_A10
DDR_A11
DDR_A12
DDR_A13
DDR_BA0
DDR_BA1
DDR_BA2
DDR_RAS
DDR_CAS
DDR_CLK
DDR_CLKN
DDR_CKE
DDR_CS
DDR_WE
DDR_CAL
DDR_RESETN
DDR_VREFB0
DDR_VREFCM
DDR_D0 B12
DDR_D1 B13
DDR_D2 D13
DDR_D3 A13
DDR_D4 A15
DDR_D5 D14
DDR_D6 B15
DDR_D7 K15
DDR_D8 G18
DDR_D9 K17
DDR_D10 J13
DDR_D11 H15
DDR_D12 J15
DDR_D13 J14
DDR_D14 K13
DDR_D15 K18
DDR_D16 A8
DDR_D17 B9
DDR_D18 D9
DDR_D19 A9
DDR_D20 B11
DDR_D21 D10
DDR_D22 A11
DDR_D23 A12
DDR_D24 L18
DDR_D25 K15
DDR_D26 K14
DDR_D27 M18
DDR_D28 N17
DDR_D29 M14
DDR_D30 M15
DDR_D31 N18
DDR_DQM0 D11
DDR_DQM1 H14
DDR_DQM2 B8
DDR_DQM3 L13
DDR_DQS0 A14
DDR_DQSN0 B14
DDR_DQS1 H18
DDR_DQSN1 J18
DDR_DQS2 A10
DDR_DQSN2 B10
DDR_DQS3 M17
DDR_DQSN3 L17
C_DDR_D0
C_DDR_D1
C_DDR_D2
C_DDR_D3
C_DDR_D4
C_DDR_D5
C_DDR_D6
C_DDR_D7
C_DDR_D8
C_DDR_D9
C_DDR_D10
C_DDR_D11
C_DDR_D12
C_DDR_D13
C_DDR_D14
C_DDR_D15
C_DDR_D16
C_DDR_D17
C_DDR_D18
C_DDR_D19
C_DDR_D20
C_DDR_D21
C_DDR_D22
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C_DDR_D25
C_DDR_D26
C_DDR_D27
C_DDR_D28
C_DDR_D29
C_DDR_D30
C_DDR_D31
C_DDR_DQM0
C_DDR_DQM1
C_DDR_DQM2
C_DDR_DQM3
C_DDR_DQS0+
C_DDR_VREF
C_DDR_DQS1+
C_DDR_DQS2+
C_DDR_DQS3+
A0 J8
A1 J9
A2 K7
A3 K8
A4 K2
A5 K3
A6 J1
A7 J2
A8 J3
A9 H1
A10 J7
A11 H2
A12 H3
BA0 H8
BA1 H9
WE# G7
CAS# G8
RAS# G9
CS# H7
VDD1 A9
VDD2 F9
VDD3 K9
VDDQ1 B1
VDDQ2 D1
VDDQ3 A7
VDDQ4 C9
VDDQ5 E9
NC1 F3
NC2 F7
DQ0 A8
DQ1 B7
DQ2 B8
DQ3 C7
DQ4 C8
DQ5 D7
DQ6 D8
DQ7 E7
DQ8 E3
DQ9 D2
DQ10 D3
DQ11 C2
DQ12 C3
DQ13 B2
DQ14 B3
DQ15 A2
LDQS E8
UDQS E2
LDM F8
UDM F2
CK G2
CK# G3
CKE G1
VSS1 A1
VSS2 F1
VSS3 K1
VSSQ1 A3
VSSQ2 C1
VSSQ3 B9
VSSQ4 D9
VSSQ5 E1
C_DDR_DQS0+
C_DDR_DQS1+
C_DDR_DQM0
C_DDR_DQM1
C_DDR_CLK+
C_DDR_CLK-
C_DDR_CKE
C_DDR_D16
C_DDR_D17
C_DDR_D18
C_DDR_D19
C_DDR_D20
C_DDR_D21
C_DDR_D22
C_DDR_D23
C_DDR_D24
C_DDR_D25
C_DDR_D26
C_DDR_D27
C_DDR_D28
C_DDR_D29
C_DDR_D30
C_DDR_D31
C_DDR_DQS2+
C_DDR_DQS3+
C_DDR_DQM2
C_DDR_DQM3
C_VDD_DRAM
R374
10K
R0402
C_DDR_CSx
C_DDR_CS
JP9
Header 1X2
h2p20
C_VDD_DRAM
C_VDD_DRAM
C333
4.7uF
C0603
GND_POWER
C334
100nF
C0402
R201
2.2K-1%
R0402
C_DDR_VREF
C335
100nF
C0402
R202
2.2K-1%
R0402
GND_POWER