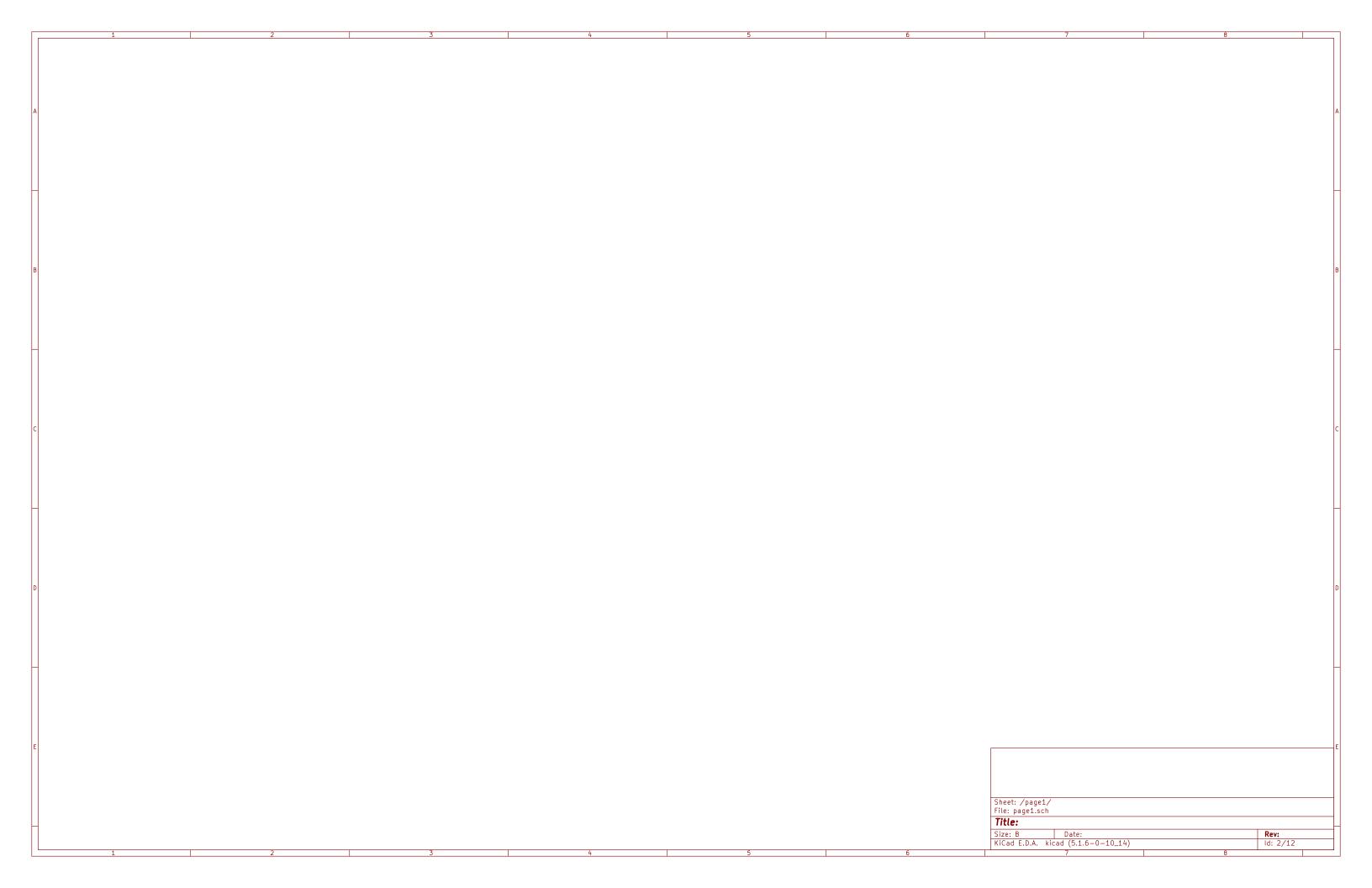


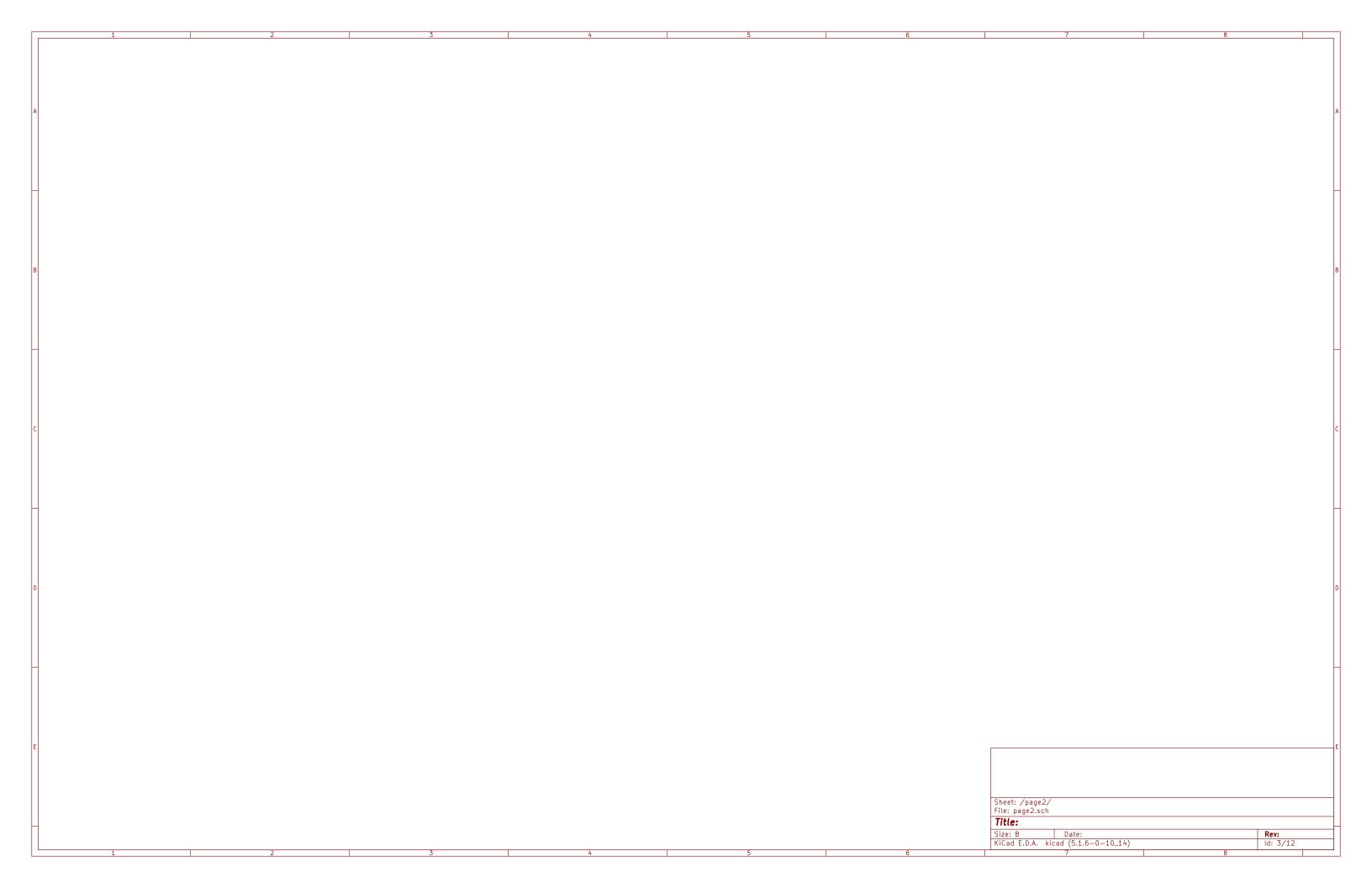
Sheet: page1 File: page1.sch Sheet: page2 File: page2.sch Sheet: page3 File: page3.sch Sheet: page4 File: page4.sch Sheet: page5 File: page5.sch Sheet: page6 File: page6.sch Sheet: page7 File: page7.sch Sheet: page8 File: page8.sch Sheet: page9 File: page9.sch Sheet: page10 File: page10.sch Sheet: page11 File: page11.sch

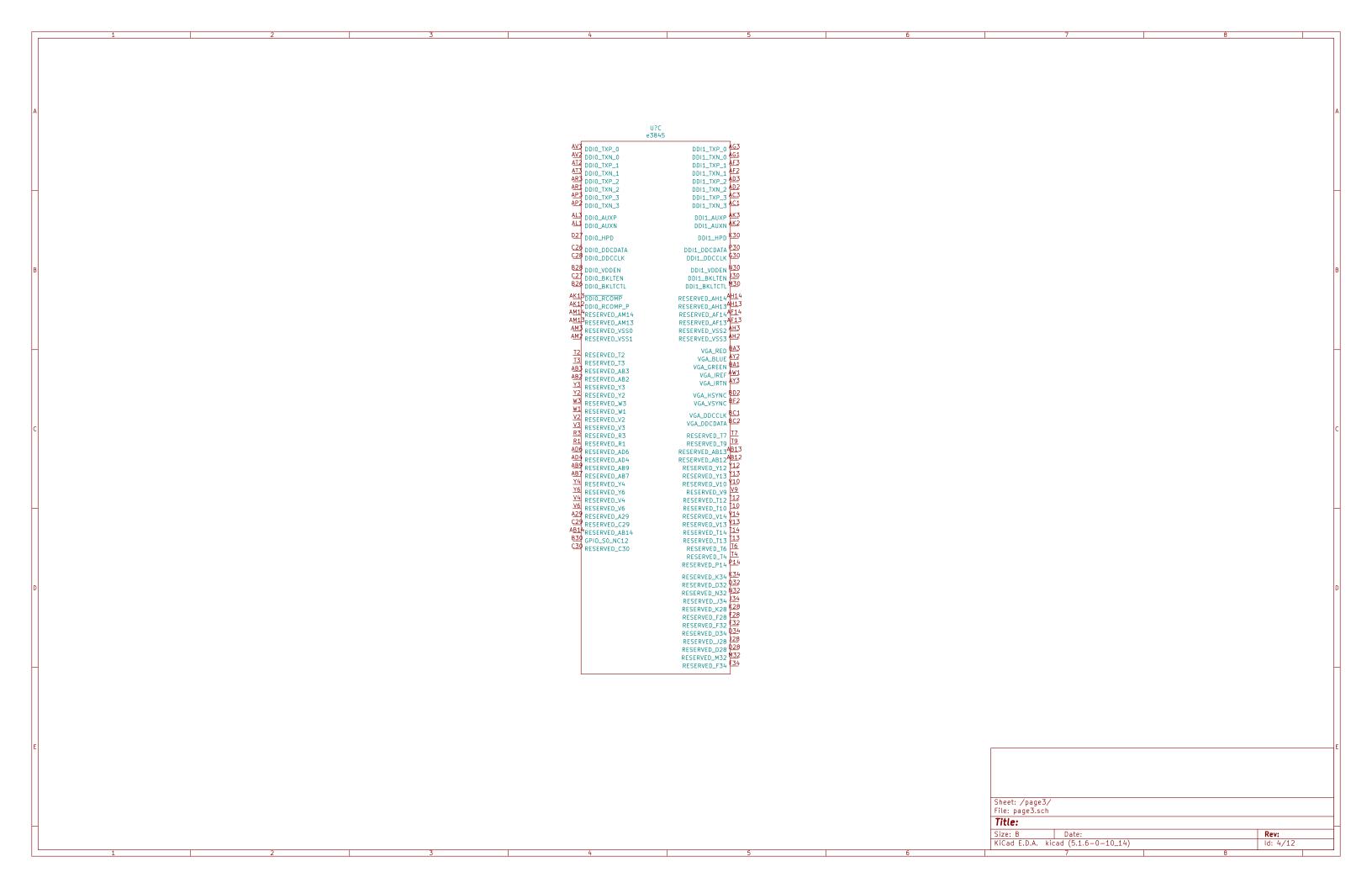
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Title: MinnowBoard Turbot Quad KiCad port.

Size: B Date:
KiCad E.D.A. kicad (5.1.6-0-10_14) **Rev:** ld: 1/12

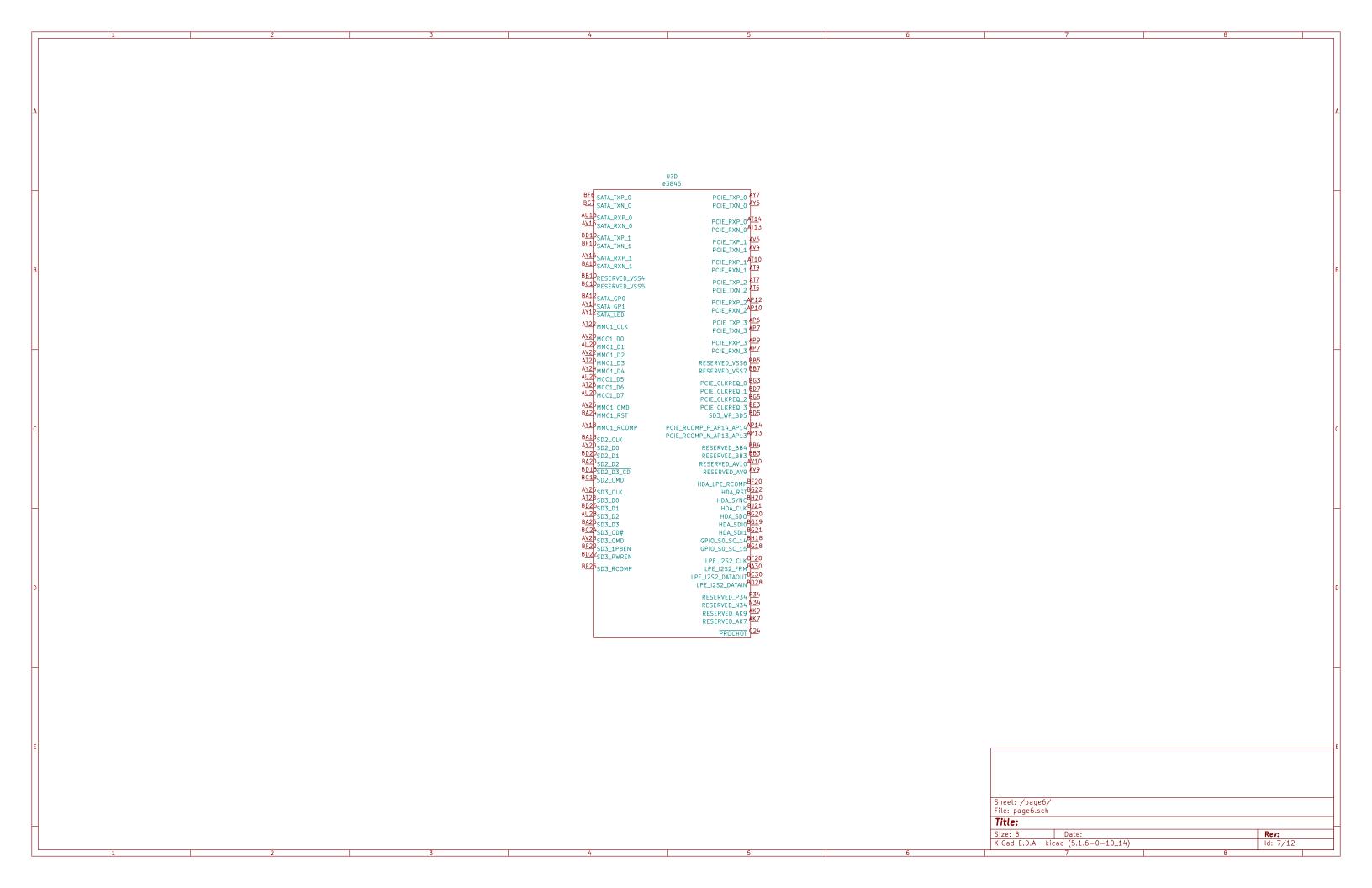


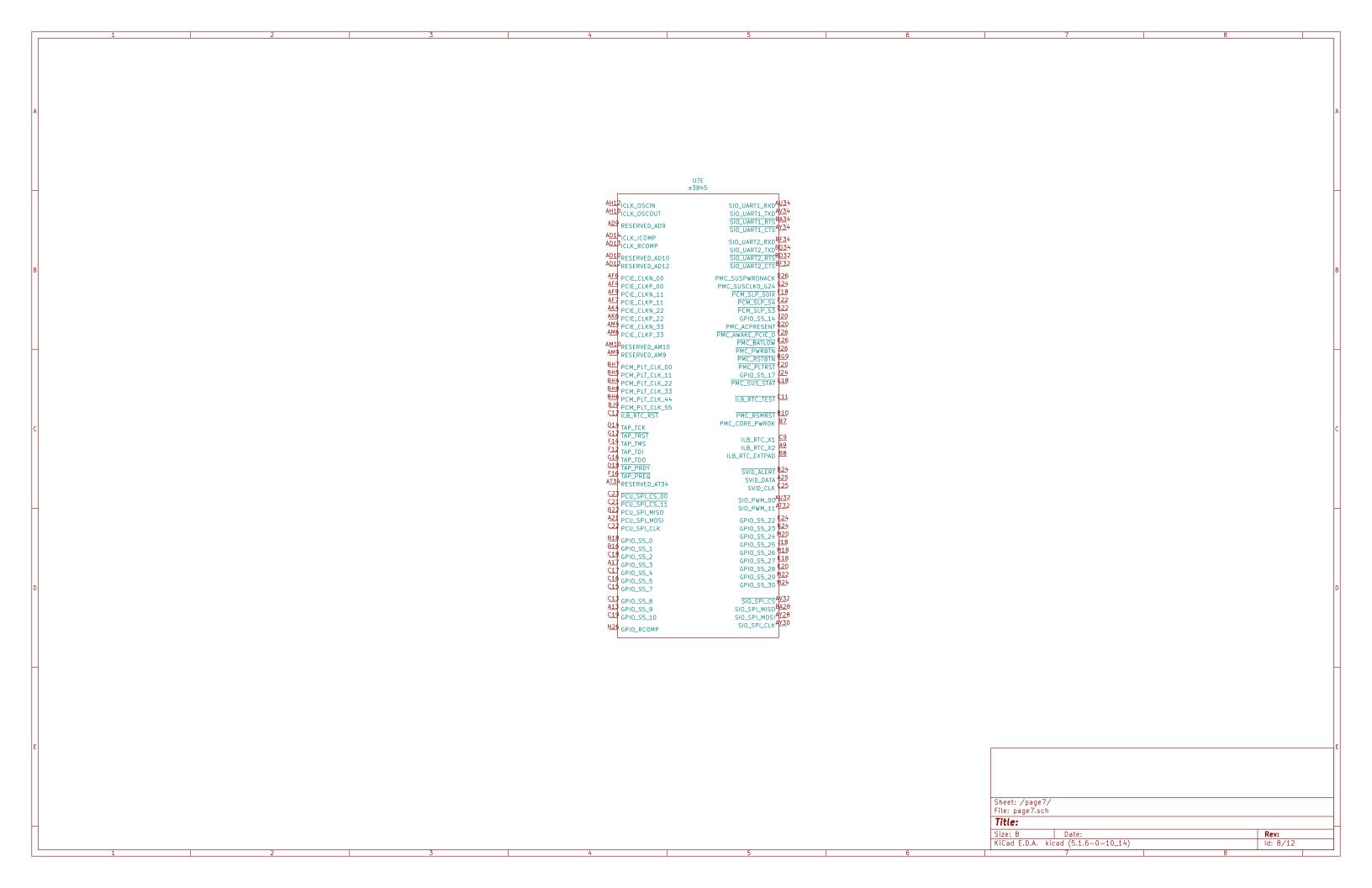


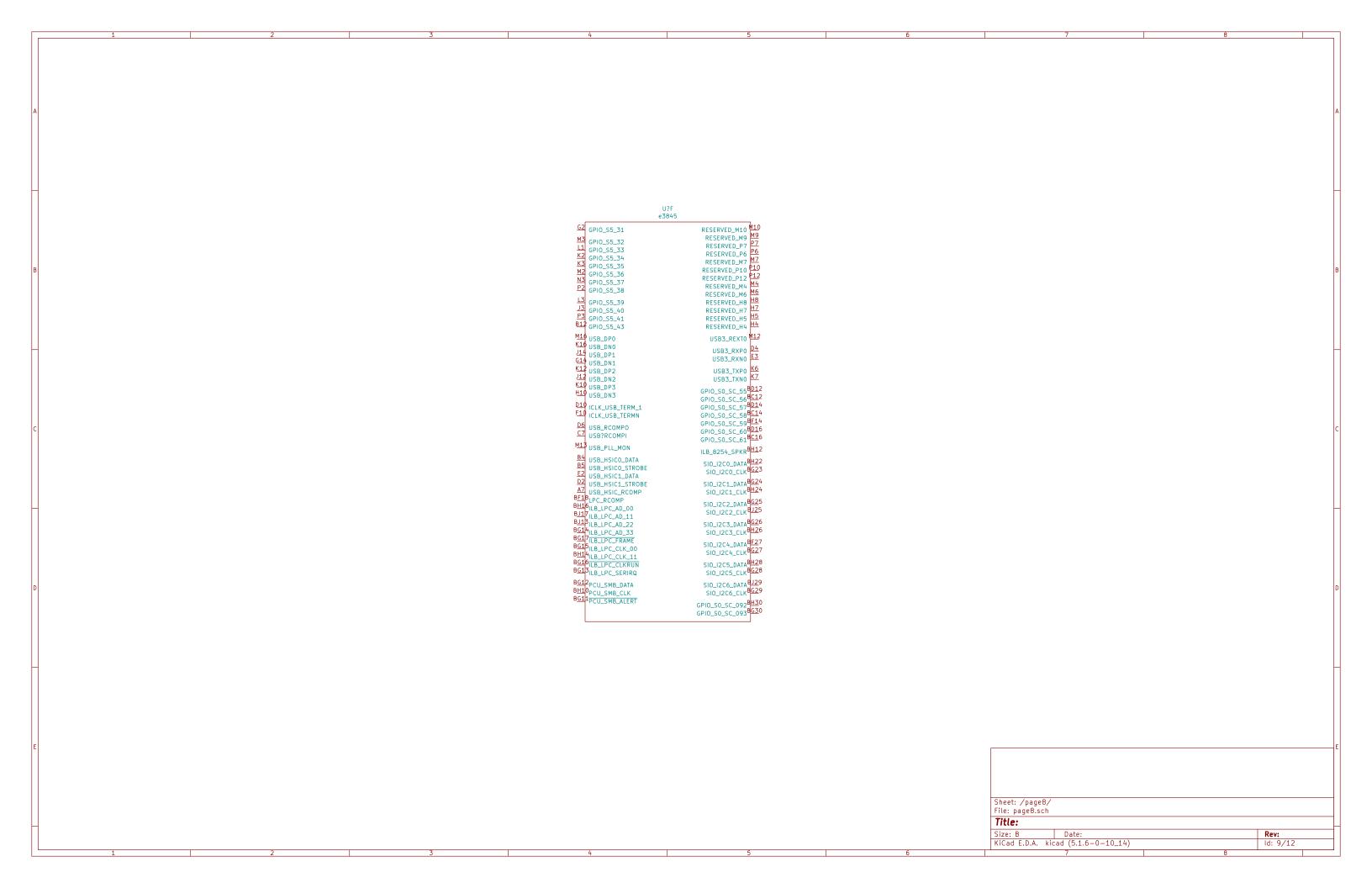


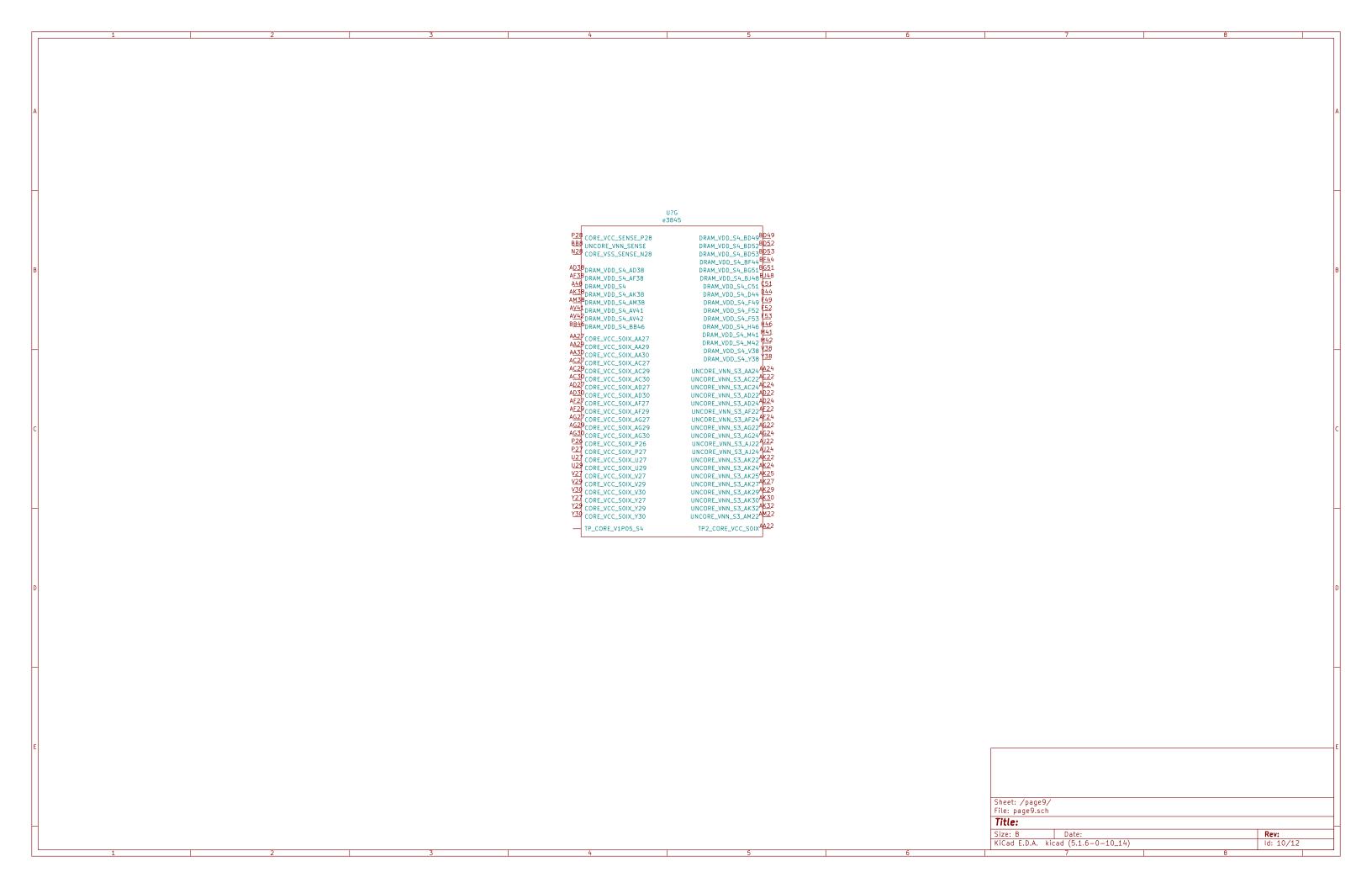
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DRAMO_DQ_66
V42
DRAMO_DQ_77
DRAMO_DQ_88 G52 DRAMO_MA_88 DRAMO_DQ_88 032 DRAMO_DQ09_C32 032 DRAMO_DQ_1010 033 DRAMO_DQ_1111 033 DRAMO_DQ_1212 033 E52 DRAMO_MA_99 K48 DRAMO_MA_1010 E51 DRAMO_MA_1010 F47 DRAMO_MA_1212 DRAMO_DQ_1212 33
DRAMO_DQ_1313 433
DRAMO_DQ_1313 433
DRAMO_DQ_1515 538
DRAMO_DQ_1515 538
DRAMO_DQ_11717 538
DRAMO_DQ_11717 639
DRAMO_DQ_1212 544
DRAMO_DQ_2220 640
DRAMO_DQ_2121 238
DRAMO_DQ_2222 644 DRAMO_MA_1313 B49 DRAMO_MA_1414 B50 DRAMO_MA_1515 G36 DRAMO_DM_00 B36 DRAMO_DM_11 F38 DRAMO_DM_22 B42 DRAMO_DM_33 DRAMO_DM_44 V42 DRAMO_DM_55 V50 DRAMO_DM_66 V52 DRAMO_DM_77 DRAMO_DQ_2121 DRAMO_DQ_2222 DRAMO_DQ_2323 DRAMO_DQ_2424 41 DRAMO_DQ_2525 41 DRAMO_DQ_2626 445 DRAMO_DQ_2727
DRAMO_DQ_2828
46
DRAMO_DQ_2828 M45 DRAMO_RAS M44 DRAMO_CAS H51 DRAMO_WE DRAMO_DQ_2929 840 DRAMO_DQ_3030 848 K47 DRAMO_BS_00 DRAMO_DQ_3131 847 K44 DRAMO_BS_11 D52 DRAMO_BS_22 DRAMO_DQ_3232 52 P44 DRAMO_CS_0 P45 DRAMO_CS_2 DRAMO_DQ_3636 51 C47 DRAMO_CKE_00 D48 RESERVED_D48 F44 DRAMO_CKE_22 E46 RESERVED_E46 DRAMO_DQ_3737 DRAMO_DQ_3737 | 53 DRAMO_DQ_3838 | 851 DRAMO_DQ_3838 | 853 DRAMO_DQ_4040 | 147 DRAMO_DQ_4040 | 147 DRAMO_DQ_4141 | 145 DRAMO_DQ_4142 | 140 DRAMO_DQ_4343 | 148 DRAMO_DQ_4444 | 148 DRAMO_DQ_4444 | 148 DRAMO_DQ_4545 | 150 T41 DRAMO_ODT_0 P42 DRAMO_ODT_2 M50 DRAMO_CKP_0 M48 DRAMO_CKN_0 DRAMO_DQ_4545 50
DRAMO_DQ_4646 '42
DARMO_DQ_4747'840
DRAMO_DQ_4747'840
DRAMO_DQ_45050^A048
DRAMO_DQ_5550^A048
DRAMO_DQ_55151 050
DRAMO_DQ_5553 450
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DRAMO_DQ_5555 650
DRAMO_DQ_ P50 DRAMO_CKP_2 P48 DRAMO_CKN_2 P41 DRAMO_DRAMRST AF44DRAM_VREF AH42 CLK_DRAM_TERM_1 CLK_DRAM_TERMN_AF42 AD42 DRAM_VDD_S4_PWROK AB42 DRAM_CORE_PWROK AD44DRAM_RCOMP_00 AF45DRAM_RCOMP_11 AD45DRAM_RCOMP_22 DRAMO_DQ_6969 V53
DRAMO_DQ_6161 V51
DRAMO_DQ_6262^AD52 AF40 RESERVED_AF40 AF41 RESERVED_AF41 AD40 RESERVED_AD40 DRAMO_DQSP_00 DRAMO_DQSP_00 K38 DRAMO_DQSP_11 C35 DRAMO_DQSP_11 B34 AD41 RESERVED_AD41 DRAMO_DQSP_22 DRAMO_DQSP_22 DRAMO_DQSN_22 DRAMO_DQSP_33 DRAMO_DQSP_33
DRAMO_DQSP_44
DRAMO_DQSP_44 DRAMO_DQSN_44 M52 DRAMO_DQSN_44 L2 DRAMO_DQSP_55
DRAMO_DQSP_66 DRAMO_DQSP_66 V48
DRAMO_DQSN_66 P52
DRAMO_DQSP_77
DRAMO_DQSN_77 Sheet: /page4/ File: page4.sch Title: Size: B Date: KiCad E.D.A. kicad (5.1.6-0-10_14) ld: 5/12

AY45 DRAM1_MA_00 BB47 DRAM1_MA_11 AW41 DRAM1_MA_22 DRAM1_DQ_00 B G38
DRAM1_DQ_11 B C40
DRAM1_DQ_21 B M42
DRAM1_DQ_22 B M42
DRAM1_DQ_33 B D42
DRAM1_DQ_44 B C38
DRAM1_DQ_44 B C38
DRAM1_DQ_66 B H42
DRAM1_DQ_77 B C44
DRAM1_DQ_66 B H32
DRAM1_DQ_101 B G36
DRAM1_DQ_1101 B G36
DRAM1_DQ_1111 B J37
DRAM1_DQ_1113 B J33
DRAM1_DQ_11313 B J33
DRAM1_DQ_11515 B H38
DRAM1_DQ_11515 B H38
DRAM1_DQ_11515 B H38
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DRAM1_DQ_1212 A W36
DRAM1_DQ_1212 A W36
DRAM1_DQ_1222 A W40
DRAM1_DQ_1222 B M36
DRAM1_DQ_2222 A W40
DRAM1_DQ_2222 B M36
DRAM1_DQ_2228 B M36
DRAM1_DQ_2323 A W36
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DRAM1_DQ_2323 B M36
DRAM1_DQ_2323 B M36
DRAM1_DQ_3333 A W361
DRAM1_DQ_3333 A W361
DRAM1_DQ_3333 A W365
DRAM1_DQ_33333 A W365
DRAM1 AW41 PRAM1_MA_22 BB44 PRAM1_MA_33 BB50 PRAM1_MA_44 BC53 PRAM1_MA_55 BB49 PRAM1_MA_66 BF50 PRAM1_MA_77 BC52 PRAM1_MA_99 AY48 PRAM1_MA_1010 BE51 PRAM1_MA_1011 BU47 PRAM1_MA_1212 BA51 PRAM1_MA_1212 BA51 PRAM1_MA_1313 BH49 PRAM1_MA_1414 BH50 PRAM1_MA_1515 B038 BH36 PRAM1_DM_11 BC36 BH42 PRAM1_DM_33 AT51 DRAM1_DM_44 AM42 PRAM1_DM_55 AK50 DRAM1_DM_66 AK52 PRAM1_DM_77 AV45 DRAM1_RAS AV44 DRAM1_CAS BB51 DRAM1_WE AY47 DRAM1_BS_00 AY44 DRAM1_BS_11 BF52 DRAM1_BS_22 DRAM1_DQ_3333 XY51
DRAM1_DQ_33333 XY51
DRAM1_DQ_3434 AP52
DRAM1_DQ_3535 AP51
DRAM1_DQ_3535 AP51
DRAM1_DQ_3636 AW51
DRAM1_DQ_3636 AR51
DRAM1_DQ_3636 AR51
DRAM1_DQ_3636 AR51
DRAM1_DQ_44040 AP47
DRAM1_DQ_44141 AP45
DRAM1_DQ_44141 AP45
DRAM1_DQ_4444 AM41
DRAM1_DQ_4444 AM41
DRAM1_DQ_4464 AK42
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DRAM1_DQ_4646 AK42
DRAM1_DQ_4646 AK42
DRAM1_DQ_5656 AF48
DRAM1_DQ_5552 AM48
DRAM1_DQ_5554 AM48
DRAM1_DQ_5555 AK45
DRAM1_DQ_5555 AK45
DRAM1_DQ_5656 AM52
DRAM1_DQ_5656 AM52
DRAM1_DQ_5656 AM52
DRAM1_DQ_5656 AM52 AT44 DRAM1_CS_0 AT45 DRAM1_CS_2 BG47 DRAM1_CKE_00 BE46 RESERVED_BE46 BD44DRAM1_CKE_22 BF48RESERVED_BF48 AP41 DRAM1_ODT_0 AT42 DRAM1_ODT_2 A<u>V5</u>0 DRAM1_CKP_0 A<u>V4</u>8 DRAM1_CKN_0 A<u>T50</u> DRAM1_CKP_2 A<u>T48</u> DRAM1_CKN_2 AT41 DRAM1_DRAMRST DRAM1_DQ_5555AK459
DRAM1_DQ_5656A M52
DRAM1_DQ_5656A M52
DRAM1_DQ_5757 AL51
DRAM1_DQ_5858 AG53
DRAM1_DQ_6960 AL53
DRAM1_DQ_66161 AK51
DRAM1_DQ_666262 AF52
DRAM1_DQ_6363 AF51 DRAM1_DQSP_00 BF40
DRAM1_DQSN_008D40
DRAM1_DQSP_11 BH34
DRAM1_DQSN_12 BH34
DRAM1_DQSP_22 BA38
DRAM1_DQSN_22 AY38
DRAM1_DQSN_23 BH44 DRAM1_DQSP_33BH14 DRAM1_DQSD_33BG43 DRAM1_DQSP_44_AU53 DRAM1_DQSP_44_PV53 DRAM1_DQSP_55AP44 DRAM1_DQSP_55AP44 DRAM1_DQSP_66AK47 DRAM1_DQSP_66AK47 DRAM1_DQSP_67AH52 DRAM1_DQSP_77AH52 DRAM1_DQSP_77AH52 Sheet: /page5/ File: page5.sch Title: Size: B Date: KiCad E.D.A. kicad (5.1.6-0-10_14) ld: 6/12









V32 SVID_V1P0_S3_V32
BJ6 V6A_V1P0_S3_BJ6
AD35 DRAM_V1P0_S0IX_AD35
AE35 DRAM_V1P0_S0IX_AF35
AE36 DRAM_V1P0_S0IX_AF36
AA35 DRAM_V1P0_S0IX_AA36
AJ35 DRAM_V1P0_S0IX_AJ36
AK35 DRAM_V1P0_SOIX_AJ36
AK36 DRAM_V1P0_SOIX_AJ36
AK36 DRAM_V1P0_SOIX_AJ36 DRAM_V1P35_S0IX_F1_AD36AD36 HDA_LPE_V1P5V1P8_S3_AM32AM32 UNCORE_V1P8_S3_AM30AM30 UNCORE_V1P8_S3_AN32AN32 LPC_V1P8V3P3_S3_AM37AM27AM27 AK36 DRAM_V1PU_SUIX_AK35 AK36 DRAM_V1PU_SUIX_AK36 Y35 DRAM_V1PU_SUIX_Y35 Y36 DRAM_V1PU_SUIX_Y36 AK19DDI_V1PO_SOIX_AK19
AK21DDI_V1PO_SOIX_AK21
AJ18DDI_V1PO_SOIX_AJ18 AM16DDI_V1P0_S0IX_AM16 U22 UNCORE_V1PO_G3_U22
V22 UNCORE_V1PO_G3_V22
AN29 UNCORE_V1PO_SOIX_AN29
AN30 UNCORE_V1PO_SOIX_AN30
AF16 UNCORE_V1PO_S3_AF16
AF18 UNCORE_V1PO_S3_AF18
Y18 UNCORE_V1PO_S3_F18
G1 UNCORE_V1PO_S3_G1
AM21*POLEV1PO_S3_G1 UNCORE_V1P8_G3_AA18_AA18 RTC_VCC_P22 P22 US8_V1P8_G3_N20 N20 PMU_V1P8_G3_U25 V25 CORE_V1P05_S3_AG33^AS3 CORE_V1P05_S3_AG33^AS3 CORE_V1P05_S3_U35 V35 CORE_V1P05_S3_U35 V35 CORE_V1P05_S3_U35 N35 CORE_V1P05_S3_U35 N35 CORE_V1P05_S3_U35 N35 VSS_A3_A3 A3 VSS_A49_A49 VSS_A5_A5_A5 AM21 PCIE_V1P0_S3_AM21 AN21 PCIE_V1P0_S3_AN21 AND PCIE_V1PO_S3_AN21

AN18 PCIE_SATA_V1PO_S3_AN18

AN19 SATA_V1PO_S3_AN19

AA33 CORE_V1POS_S3_AA33

AF24 UNCORE_V1PO_SOIX_AF21

AG21 UNCORE_V1PO_SOIX_AG21

V24 UNCORE_V1PO_SOIX_V24

Y22 UNCORE_V1PO_SOIX_V24

Y24 UNCORE_V1PO_SOIX_Y24

M14 USB_V1PO_S3_U19

AN25 GPIO_V1PO_S3_U19

AN25 GPIO_V1PO_S3_U19

AN25 GPIO_V1PO_S3_U19

C3 USB3_V1PO_G3_V19

C3 USB3_V1PO_G3_C5

B6 UNCORE_V1PO_G3_C5

B6 UNCORE_V1PO_G3_B6

AC32
CORE_V1POS_S3_AC32

V33 CORE_V1POS_S3_AC32

V34 UNCORE_V1PO_S3_AC32

V35 UNCORE_V1PO_S3_AC36

B01 UNCORE_V1P35_SOIX_F5_AA25

AG32 UNCORE_V1P35_SOIX_F5_AA25

AG42 UNCORE_V1P35_SOIX_F5_AA25

AG51 UNCORE_V1P35_SOIX_F5_AA25

AG51 UNCORE_V1P35_SOIX_F5_AA25

AG51 UNCORE_V1P35_SOIX_F5_COIX_F6

AG51 UNCORE_V1P35_SOIX_F5

AG51 UNCORE_V1P35_SOIX_F6

AG51 UNCORE_V1P35_SOIX_F6 VSS_A49_A49
VSS_A5_A5
VSS_A5_A5
VSS_A51_A51
VSS_A62_A62
VSS_B2_B2
VSS_B2_B2
VSS_B52_B52
VSS_B53_B53
VSS_B61_B61
VSS_B61_B61
VSS_B61_B61 VSS_BH53_BH53_BH53 VSS_BJ2_BJ2_BJ2 VSS_BJ5_BJ5_BJ5 VSS_BJ49_BJ49 VSS_BJ52_BJ52 VSS_C53_C53 VSS_C53_C53 VSS_E1.E1 VSS_E53_E53 VSS_E53_E53 E1 PCIE_V1P0_S3_AK18_AK18 PCIE_V1P0_S3_AM18_AM18 AF19 UNCORE_V1P35_SOIX_F6 AG19 UNCORE_V1P35_SOIX_F1_AG19 AJ19 ICLK_V1P35_S3_F1_AJ19 AG1BICLK_V1P35_S3_F2 AN16 VSSA_AN16 U16 USB_VSSA_U16 Sheet: /page10/ File: page10.sch Title: Size: B Date: KiCad E.D.A. kicad (5.1.6-0-10_14) ld: 11/12

