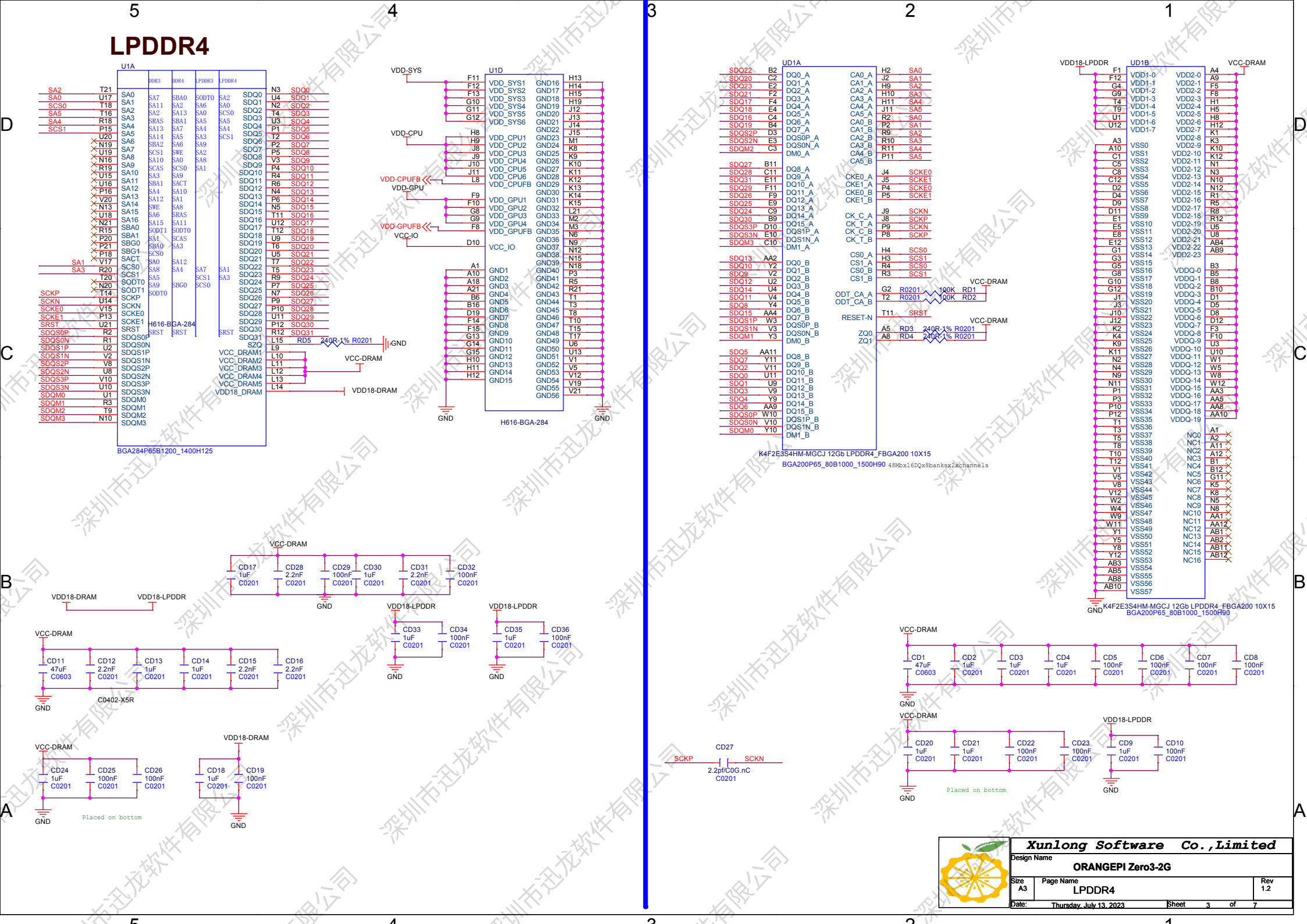
LPDDR4


U1A
BGA284P65B1200_1400H125
H616-BGA-284
U1D
H616-BGA-284
VDD-SYS
VDD-CPU
VDD-CPUFB
VDD-GPU
VDD-GPUFB
VCC-IO
VCC-DRAM
VDD18-DRAM
GND
UD1A
K4F2E3S4HM-MGCJ 12Gb LPDDR4_FBGA200 10X15
BGA200P65_80B1000_1500H90
48Mbx16Dqx8banksx2xchannels
UD1B
K4F2E3S4HM-MGCJ 12Gb LPDDR4_FBGA200 10X15
BGA200P65_80B1000_1500H90
VDD18-LPDDR
VCC-DRAM
CD17 1uF C0201
CD28 2.2nF C0201
CD29 100nF C0201
CD30 1uF C0201
CD31 2.2nF C0201
CD32 100nF C0201
CD33 1uF C0201
CD34 100nF C0201
CD35 1uF C0201
CD36 100nF C0201
CD11 47uF C0603
CD12 2.2nF C0201
CD13 1uF C0201
CD14 1uF C0201
CD15 2.2nF C0201
CD16 2.2nF C0201
C0402-X5R
CD24 1uF C0201
CD25 100nF C0201
CD26 100nF C0201
CD18 1uF C0201
CD19 100nF C0201
Placed on bottom
CD1 47uF C0603
CD2 1uF C0201
CD3 1uF C0201
CD4 1uF C0201
CD5 100nF C0201
CD6 100nF C0201
CD7 100nF C0201
CD8 100nF C0201
CD20 1uF C0201
CD21 1uF C0201
CD22 100nF C0201
CD23 100nF C0201
CD9 1uF C0201
CD10 100nF C0201
CD27 2.2pf/C0G.nC C0201
SCKP
SCKN
R0201 240R-1% R0201
RD1 100K
RD2 100K
RD3 240R-1% R0201
RD4 240R-1% R0201
RD5 240R-1% R0201
Xunlong Software Co.,Limited
Design Name
ORANGEPI Zero3-2G
Size A3
Page Name LPDDR4
Rev 1.2
Date: Thursday, July 13, 2023
Sheet 3 of 7