

ñê½£"3£© **A3** 

DGNDr5
GTH02 R1+
DGNDr7
GTH02 R3+
DGNDr9
GTM410R0+
DGND1 DGNRc5
DGNRc6
ETHAC7TX+
DGNRc8
ETHRc9TX+ GTHAN2 TO-DGNIM6 GTHAN2 T2-DGNIM8 GTHAN2TO-DGND-7 GTH0-2\_T3+ AG7 AG8 AG9 AG10 AC8 AC9 AC10 AH8 AH9 AH10 AD8 AD9 GTH2E9T0+ GTM410T0-GTH2H9R0+ GTH410R0-GTH<u>ao</u>T0-DGND AA9 ETH229TX-AE9 AE10 DGND<sub>F9</sub> GTH2G9R0-AA9 AA10 AB9 AF9 AF10 AI9 AI10 GTM410T0+
DGND11 DGMD10 ETH3ARX-ETME10RX+ AB10 DGMD10 AD10 DGMD10 GTMA:0RO GTM5:1RO +
GTM5:2RO GTM5:3RO +
GTM5:3RO +
GTM5:5RO +
GTM:1:0RO +
GTM:1:0RO +
GTM:1:0RO +
GTM:1:0RO + GTH511T0+ GTH511R0-DGND<sub>AA11</sub> ЕТ**Ң3**11</sub>ТХ-ET**₩∂**11</sub>TX+ GT**H5**11</sub>T0-DGNĐ<sub>11</sub> AB11 AB12 AC11 AC12 AE11 AE12 AG11 AH11 AH12 GTH612T0-GTH713T0+ AF11 AF12 GTH612T0+ DGND13 GIMOLIRO DGMOL4 GIMOL4 GIMOL5RO-DGMOL6 GIMAL RO-DGMOL8 DGND<sub>12</sub>
GTHF<sub>13</sub>T0DGND<sub>14</sub> GTM612R0+ DGND13 GTM814R0+ AB12 AB13 AA12 AC12 AA12 AG12 AI12 AD12 AC13 AA13 AC13 AC14 AE13 AE14 AF13 AF14 AH13 AH14 GTH8<sub>14</sub>T0-GTH9<sub>15</sub>T0+ DGND<sub>AA14</sub> AB14 DGND<sub>14</sub> GTH814T0+ AA14 AB14 AD14 AG14 AI14 GTH9<sub>15</sub>T0-DGND<sub>15</sub>
GTH10 R0+
DGND<sub>17</sub>
GTH112 R0+ DGNÐ<sub>15</sub> AC15\_ AA15 AB15 AB15 AC15 AD15 AG15 AH15 AA15 AE15 AF15 AI15 AB16 AB17 DGND<sub>16</sub> GTNJ<sub>1</sub>b\_T0-GTH10 TO AC16 GTH110 T0-AA16 AB16 AB17 AD16 AD17 AG16 AG17 AA16 AA17 AC16 AC17 AE16 AE17 AF16 AH16 AH17 AI16 DGND<sub>17</sub> GTHJ<sub>12</sub>\_T0+ GTHLD TO AA17 AC17 AF17 AI17 GTHAM RODGND.8
GTHAM RODGND.2
GTHAM RODGND.2
GTHAM RO-DGND18 GTH13 TO-GTH12 T0-GTH13 T0-GTH12 R0-GTH13 R0-AA18 AB18 AC18 AB18 AB19 AC18 AC19 AD18 AD19 AG18 AG19 AA18 AA19 AE18 AE19 AF18 AH18 AH19 AI18 DGND<sub>19</sub> AA19 AA20 AB19 AB20 AC19 AC20 DGNÐ<sub>19</sub> AF19 AI19 DGND20
GTH15 T0DGND22
GTH15 T0DGND24 GTH125 TO GTHLS ROGTHLS ROGTHLS ROGTHLS RO-GTH14 R0+
DGND21
GTH16 R0+ GTH124 TO-AC20 AC21 AC22 AG20 AG21 AH20 AH21 AA20 AI20 DGND21 GTH16 T0+ AA21 AA22 AC21 AC22 AB21 AB21 AB22 AE21 AA21 AD21 AF21 AI21 GTH125 TO AB22 AA22 AC23 AC24 AA23 AB23 DGMP23 AG23 AG24 AB23 AB24 AC23 AC24 AD23 AD24 AE23 AE24 AI23 AI24 AA23 AA24 AF23 AF24 AH23 AH24 AA24 AB24 AE24 AF24 AG24  $DGND_{24}$ AI24 AA25 AC25 AD25\_\_\_\_ AE25 AH25\_\_ AB25 AF25\_\_ AG25 AI25 AB25 AB26 AC25 AC26 AD25 AD26 AE25 AE26 AG25 AG26 AH25 AH26 AA25 AF25 AI25 AC26 AC27 AA26 AA27 AB26 AB27 AE26 AE27 AG26 AG27 AI26 AI27 AD26 AF26 AH26 AA26 AF26 AI26 AD27\_ AH27 AC27 AC28 AD27 AD28 AF27 AH27 AH28 AE27 AE28 AF27 AF28 AA27 AA28 AB27 AG27 AI27 AB28 AB29 AB29 AB29 AE28 AE29 AE29 AE29 AA28 AA29 AC28 AC29 AF28 AF29 AG28 AG29 AH28 AH29 AD28 AI<u>28</u> AG28 AI28 AD29 AI29 AA29 AD29 AF29 AG29 AA30 AC30 AC31 AE30 AF30 AG30 AI30 AB30 AB31 AC30 AC31 AH30 AH31 AA30 AD30 AE30 AF30 AG30 AI30 AA31 AB31 AE31 AD31 AD31 AE31 AF31 AF31 AG31 AH31 AI31 AA31 AG31 AI31 DGND32 AB32 AD32 DGNE32 AF32 AH32 DGND32 AA32 AB32 AC32 AD32 AE32 AF32 AG32 AH32 AI32 RS485U2 RXsc1 RS485U2 RXsc2 RS485U2 TXsc3 RS485U2 TXsc4 RS485U3 TXsc5 DGND<sub>H1</sub> MARKAD MARKAD MARKAD BE1 BE2 BE3 BE4 BE5 DGND<sub>F1</sub> BB1 BE1 BG1 BA1 BI1 BE2 BE3 BE4 BE5 BE6 BE7 BE8 RS232ecT1
DGND BG4
RS232ecT2 DGNDr3
BI4
DGNDr5 RS485U4\_RX±B2 RS485U4\_RX±B3 RS485U4\_TX±B4 BH2\_\_\_\_\_\_RS2342\_\_R1 BF2 DGNDr3 BB2 BB3 BB4 BB5 BG2 BG3 BG4 BG5 BA2 BA3 BC2 BC3 BF2 BF3 BH2 BH3 BI2 BI3 DGND<sub>H4</sub> RS23<sub>4</sub>2\_R2 MARKA) BA4 BA5 BC4 BC5 BF4 BF5 BH4 BH5 BI4 BI5 RS485U4\_TXBB5 BA5 BF5 RS485U4\_TX885
RS485U5\_TX886
RS485U5\_TX887
RS485U5\_RX888
RS485U5\_RX889
DGND\_BB10 RS485U3\_TXec6 RS232<sub>8G</sub>T3 RS232<sub>8G</sub>T4 RS2342 R3 RS2342 R4 DGND16 BF6 BF7 BF8 BF9 BF10 BG6 BG7 BG8 BG9 BG10 BB6 BB7 BB8 BB9 BB10 BE6 BE7 BE8 BE9 BE10 BF6 вн6 вн7 BI6 BI7 BC6 BC7 BC8 BC9 BC10 BC11 BC12 BC13 BC14 BC15 BC16 RS485U3\_RXec7 RS485U3\_RXec8 DGNÐ<sub>17</sub> BI8 BA7 BF7 BF8 BA7 BA8 BA9 BA10 вн8 вн9 вн10 BI8 RST#A9 DGND10 DGND BG9 DGNÐ<sub>I9</sub> BC9 DGND BE9 вн9 BI9 BC10 BI10 BE10 BF10 BG10 BH10 BI10 BB<u>11</u> BC11 BE11 BF11 BF12 BF13 BF14 BF15 BF16 BF17 BF18 BF19 BF20 BG11 BH<u>11</u> BA11 BA12 BB11 BB12 BF11 BF12 BE11 BE12 BG11 BG12 BH11 BH12 BI11 BH12 BH12 BH13 BB12 BB13 BC12 BC13 BE12 BE13 BA12 BG12 BI12 BI12 BD12 BD13 BD14 BD15 BD16 BD16 BD16 BA13\_ BG13 в113\_\_\_ BE13 BE14 BE15 BE16 BG13 BG14 BG15 BG16 BA13 BB13 BF13 BI13 BA14 BB14 BB15 BC14 BC15 BE14 BE15 BG14 BG15 BH14 BH15 BI14 BI15 BB14 BB15 BF14 BF15 BA14 BH14 BI14 BA15\_ BA15 BI15 BE16 BE17 BE18 BI16 BI17 BI18 BI19 ВН<u>16</u> ВН<u>17</u> BA16\_ BB16 BC<u>16</u> BG16 BA16 BB16 BF16 BH16 BI16 BA17 BA17 BB17 BB17 BC17 BD17 BD17 BD18 BD19 BE17 BE18 BE19 BF17 BG17 BG17 BG18 BG19 BI17 вн17 BC18 BC19 BA18 BB18 BD18 BG18 BH18 BB18 BB19 BF18 BF19 BA18 BA19 BC18 BC19 BH18 BH19 BI18 BI19 PDND<sub>BE20</sub> BA19 BB19 BD19 BG19 BH19 PGND20 вн20 вн20 BC20 BG20 BI20 BB20 BD20 BA20 BA21 BB20 BC20 BC21 BD20 BD21 BE20 BE21 BF20 BG20 BG21 BI20 PDND<sub>BE21</sub> BB21 BB22 BC21 BC22 BF21 BF22 BG21 BG22 BH21 BH22 BI21 BI22 BA21 BD21 BB21 BF21 BH21 BI21 PDND<sub>BE22</sub> +281/22 +28V +28V +28V +28½3 +28½4 BA22 BA23 BB22 BB23 BD22 BD22 BD23 BE22 BE23 BC22 BF22 BG22 BG23 BH22 PDND<sub>BE23</sub> PDND<sub>BE24</sub> BB23 BC23 BD23 BF23 BG23 вн23 BI23 BC23 BF23 BH23 BI23 BC24 BF24 BG24 BI24 BB24 BC24 BD24 BD24 BF24 BH24 BI24 +28V PDND<sub>BE25</sub> PDMD25 PDND<sub>BG25</sub> вн25 BI<u>25</u> BC25 BD25 BA25 BB25 BC25 BD25 BE25 BF25 BG25 вн25 BI25 LRMS1-A288-B225G2R-T LRMS1-A288-B225G2R-T1 LRMS1-A288-B225G2R-T1 LRMS1-A288-B225G2R-T1 LRMS1-A288-B225G2R-T1 LRMS1-A288-B225G2R-T1 LRMS1-A288-B225G2R-T1 JONHON\_LRMS1-A288-B225G2R-T1 ¾Éµ×ͼ×ܰŽ ,ü,Äμ¥°Å Ç©Ãû ÈÕÆÚ 񈬀 ÊýÁ¿ ½×¶Î±ê¼Ç ÖÊ śÀ ±È Àý Éè **⅓Æ** ٥Ë Éó ÈÕÆÚ | Ç©Ãû ÕÅ 1 2 õå μÚ ±ê x¼ »⁻ Åú ×1/4

GTHOA TO

GTHOS T2-

GTH<u>04</u>\_T3-

GTHOS TO

GTHOS T1

GTH02 T2+

AE2 AE3

AE5

AE7

DGND<sub>F1</sub>

DGND<sub>F3</sub>

DGNDr5 GTH02 T1+

AF2

AF7

GTHQL R0-DGNR22 GTHQL R2-

GTH02 RO

GTHQ2 R2

DGND<sub>G6</sub>

AG4 AG5

AG6 AG7

GTHOL R0+ GTHOL R1-GTHOL R2+

GTHO2 RO

GTH02 R1-GTH02 R2-GTH02 R3-

AH2 AH3

AH5 AH6 AH7

DGNDr1
GTHOd2 R1+
DGNDr3

GTH<u>04</u>\_R3+

AI1

AI2

AI7

GTHOS TO-DGNED2 GTHOS T2-

AD1

AD2 AD3

AD5

AD7

LRM

ETHO\_AX-

AA3 AA4

AA2 AA3

AA4

AA5

AA7

AA8

DGND AA2

ETH1\_RX-

DGND AA7 ETH2\_AAX-

¹¤³Ì´úºÅ

ýÌå±à°Å

μ×ͼ×ܰÅ

ſÎ

٥æ

DGNIC1 ETHIC2TX+ DGNIC3

GSE#c4

AC2 AC3

AC4

AC5 AC6 AC7

ETHOB1RX+

ETH<u>Q</u>B2TX-

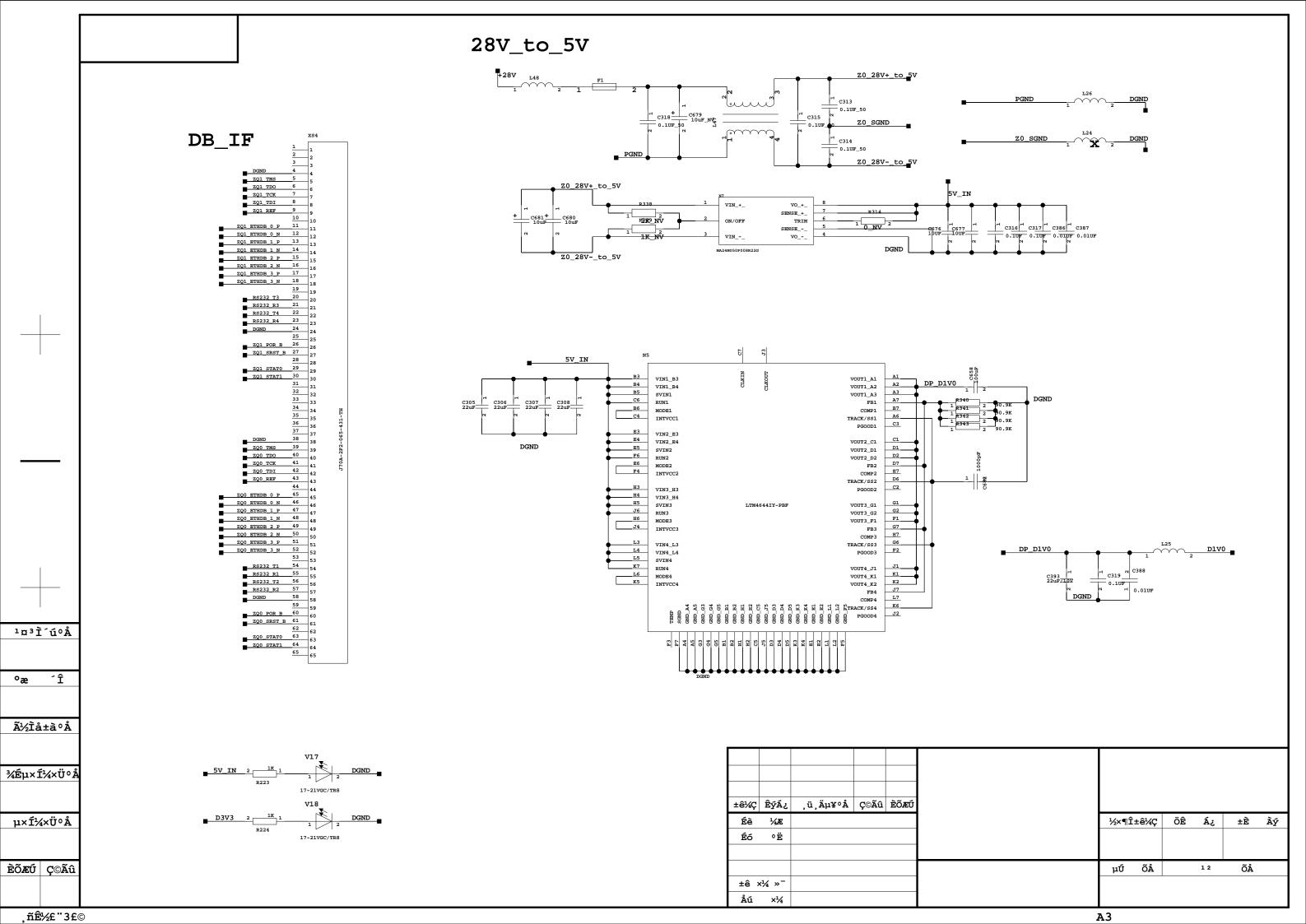
AB3 SYS AMAIN#

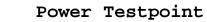
AB5\_ ETH<mark>a</mark>lB6RX+

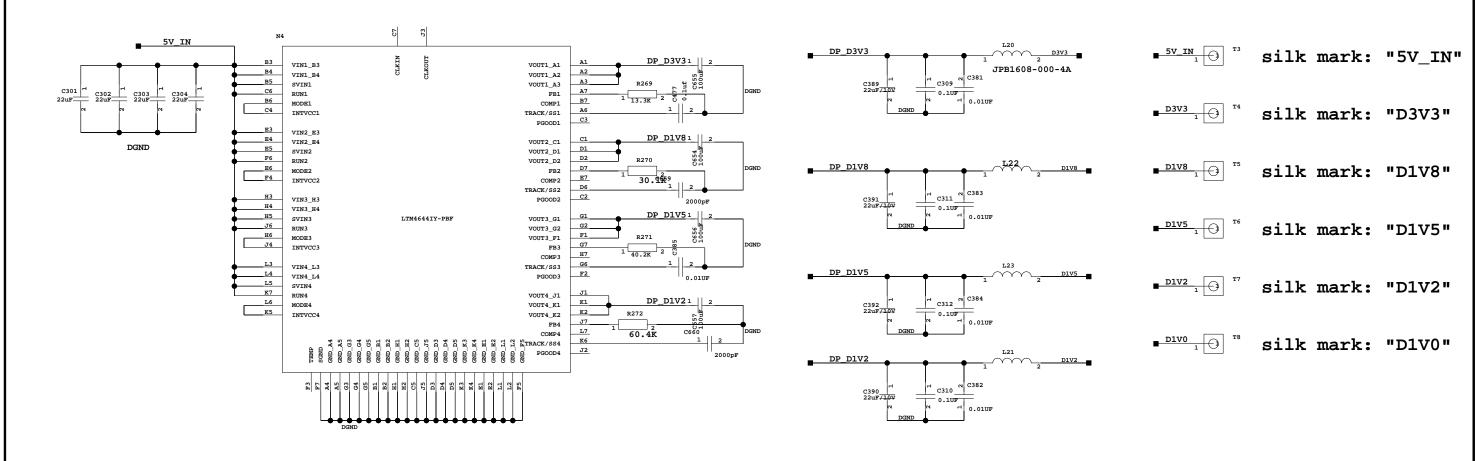
ETH<sub>AB7</sub>TX-ETH<sub>288</sub>RX+

AB1 AB2

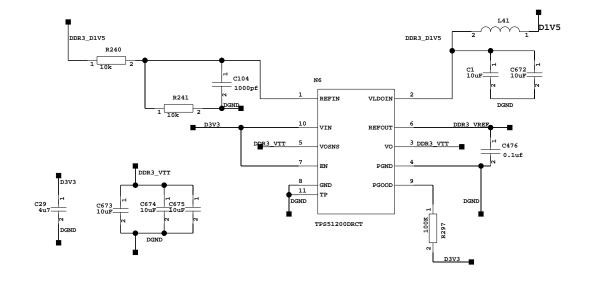
AB5 AB6 AB7

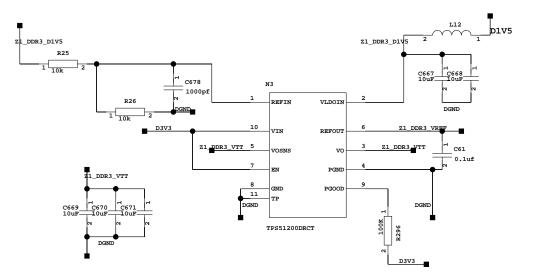






## DDR\_Power





					Τ
񈬀	ÊýÁ¿	,ü,Äμ¥°Å	୯୦୬୫	ÈÕÆÚ	
Éè	½Æ	, u, npr n	Çenu	Боло	
Éó	٥Ë				+
					T
±ê ×	√¼ »⁻				1
Åú	x¼				1

\_\_\_\_\_ \_\_񣽣"3£©

ÈÕÆÚ Ç©Ãû

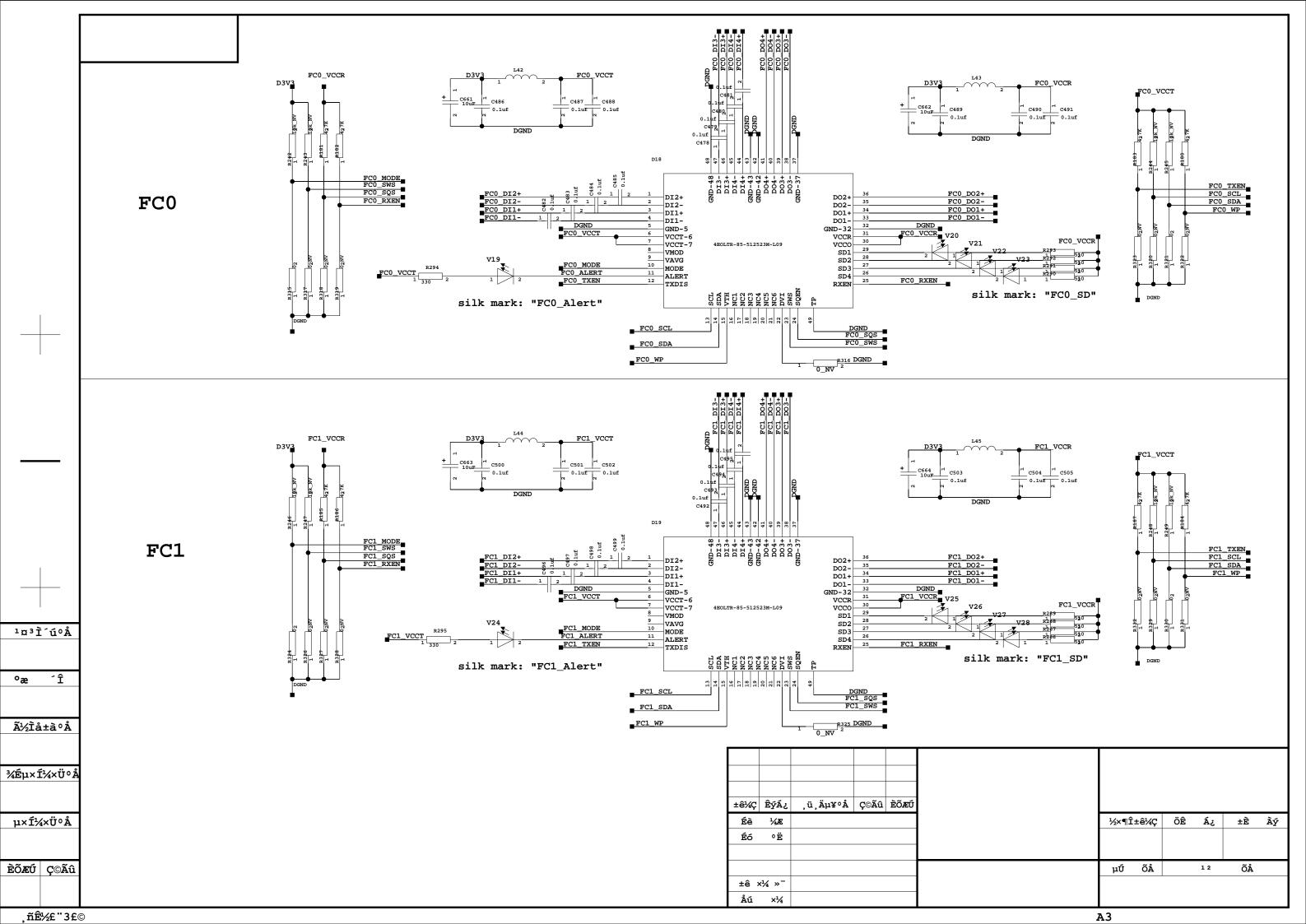
¹¤³Ì´ú°Å

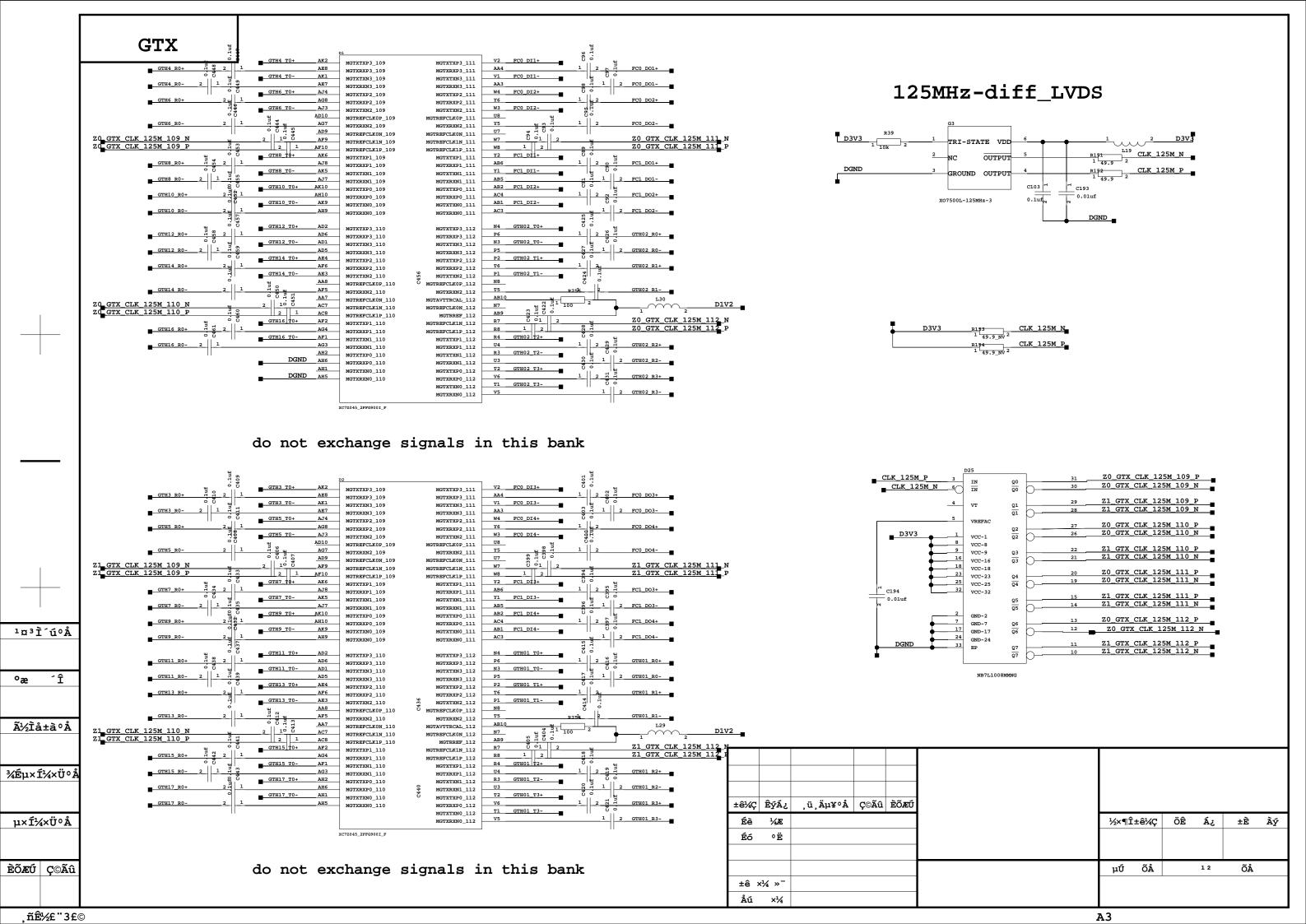
ýÌå±à°Å

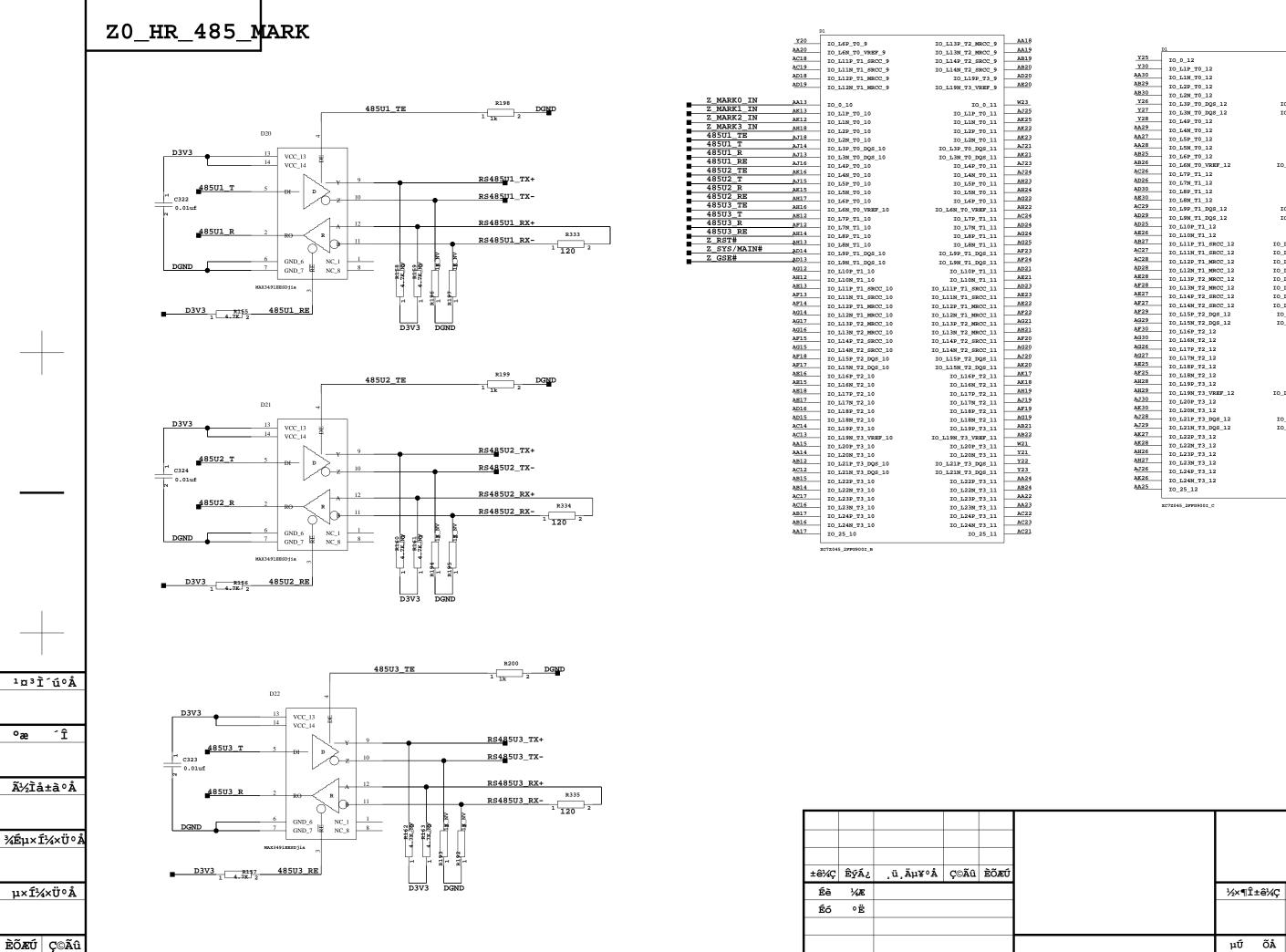
¾Éµ×ͼ×ܰÅ

μ×ͼ×ܰÅ

^Î







±ê x¼ »⁻ Åú

x⅓

°æ

ñʽ£"3£©

ÖÊ

õå

śÀ

12

Àý

±È

õå

IO\_L20P\_T3\_13 IO\_L20N\_T3\_13 T23 IO\_L21P\_T3\_DQS\_13 IO\_L21N\_T3\_DQS\_13 R23

IO\_L19P\_T3\_13 P21 IO\_L19N\_T3\_VREF\_13 R21

IO L17P T2 13 IO\_L17N\_T2\_13

IO L15P T2 DQS 13 N27 IO\_L15N\_T2\_DQS\_13 IO\_L16P\_T2\_13 P25 IO\_L16N\_T2\_13 P26

IO\_L8P\_T1\_13

IO\_L8N\_T1\_13

IO\_L6P\_T0\_13 IO\_L7P\_T1\_13 V28 IO\_L7N\_T1\_13 V29 W29

IO L4N TO 13 IO\_L5P\_T0\_13 R28 IO\_L6N\_T0\_VREF\_13 T28

P29 T29 IO\_L5N\_T0\_13 U29

U26

R25

R27

N26

T24

T25

T22

R22

V22

W24

IO\_L22P\_T3\_13 U22

IO\_L23P\_T3\_13 U24 IO\_L23N\_T3\_13 V24

IO\_L24P\_T3\_13 V23

IO\_25\_13 V21

IO\_L22N\_T3\_13

IO\_L24N\_T3\_13

U30 IO\_L2N\_T0\_13 N28 IO\_L3P\_T0\_DQS\_13

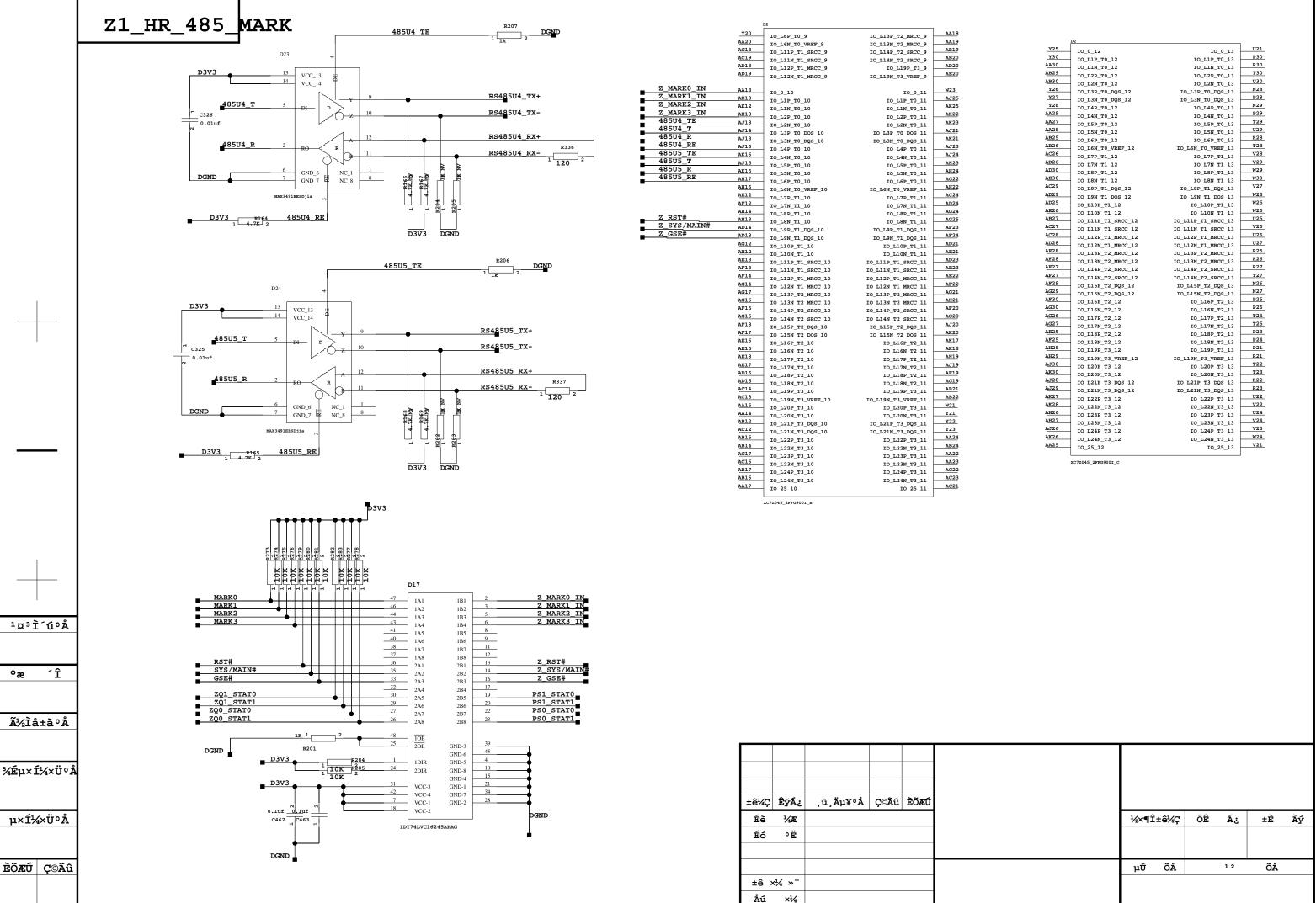
IO\_L1N\_T0\_13 IO\_L2P\_T0\_13 T30

IO\_L13P\_T2\_MRCC\_13 IO L13N T2 MRCC 13 IO\_L14P\_T2\_SRCC\_13 IO\_L14N\_T2\_SRCC\_13 T27

IO\_L10N\_T1\_13 IO\_L12P\_T1\_MRCC\_13 IO\_L12N\_T1\_MRCC\_13
U27

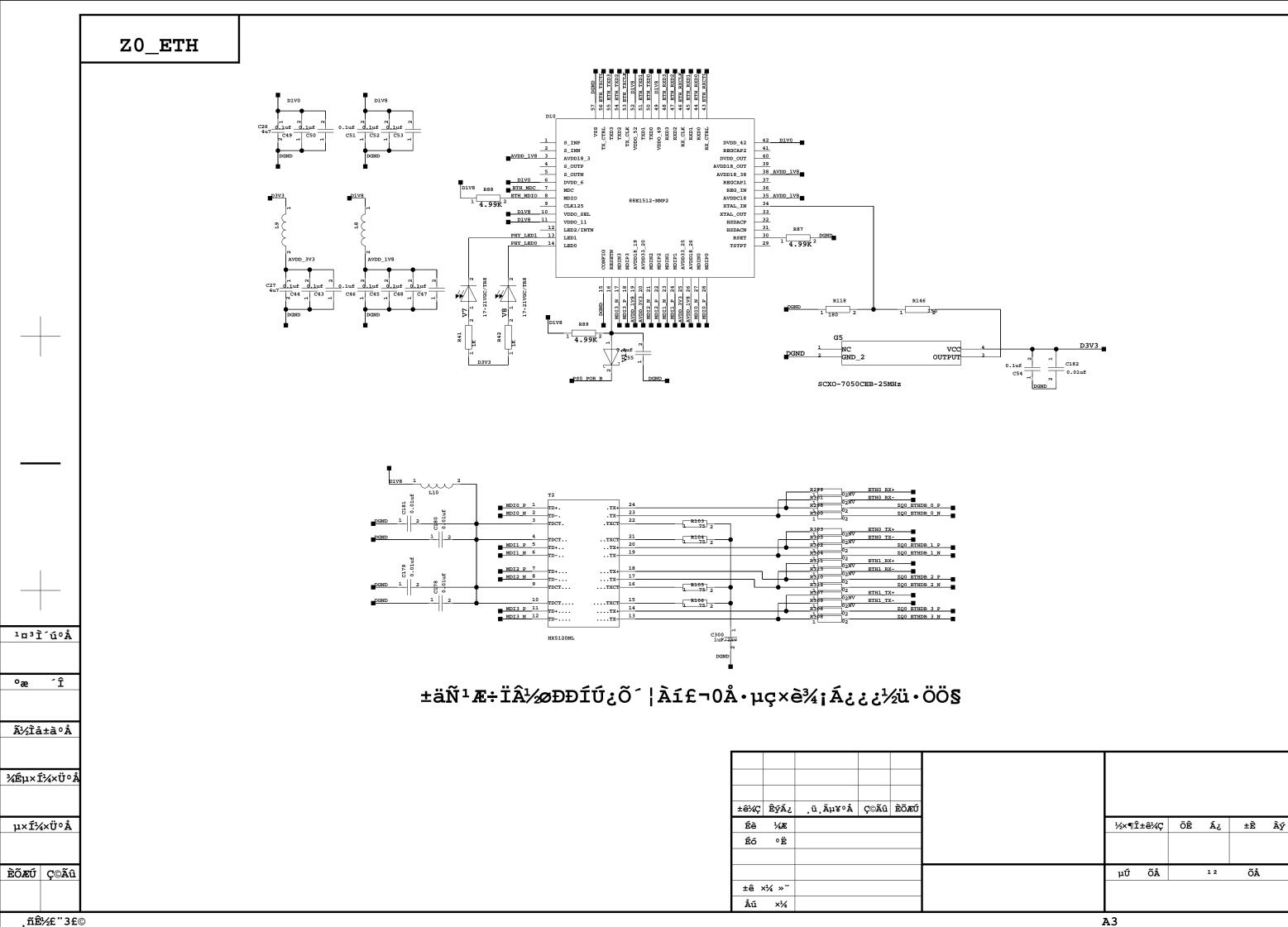
W30 IO\_L9P\_T1\_DQS\_13 V27 IO\_L9N\_T1\_DQS\_13 W28 W25 IO\_L10P\_T1\_13 W26

IO\_0\_13 U21 IO\_L1P\_T0\_13 P30 R30



**A3** 

ñʽ£"3£©

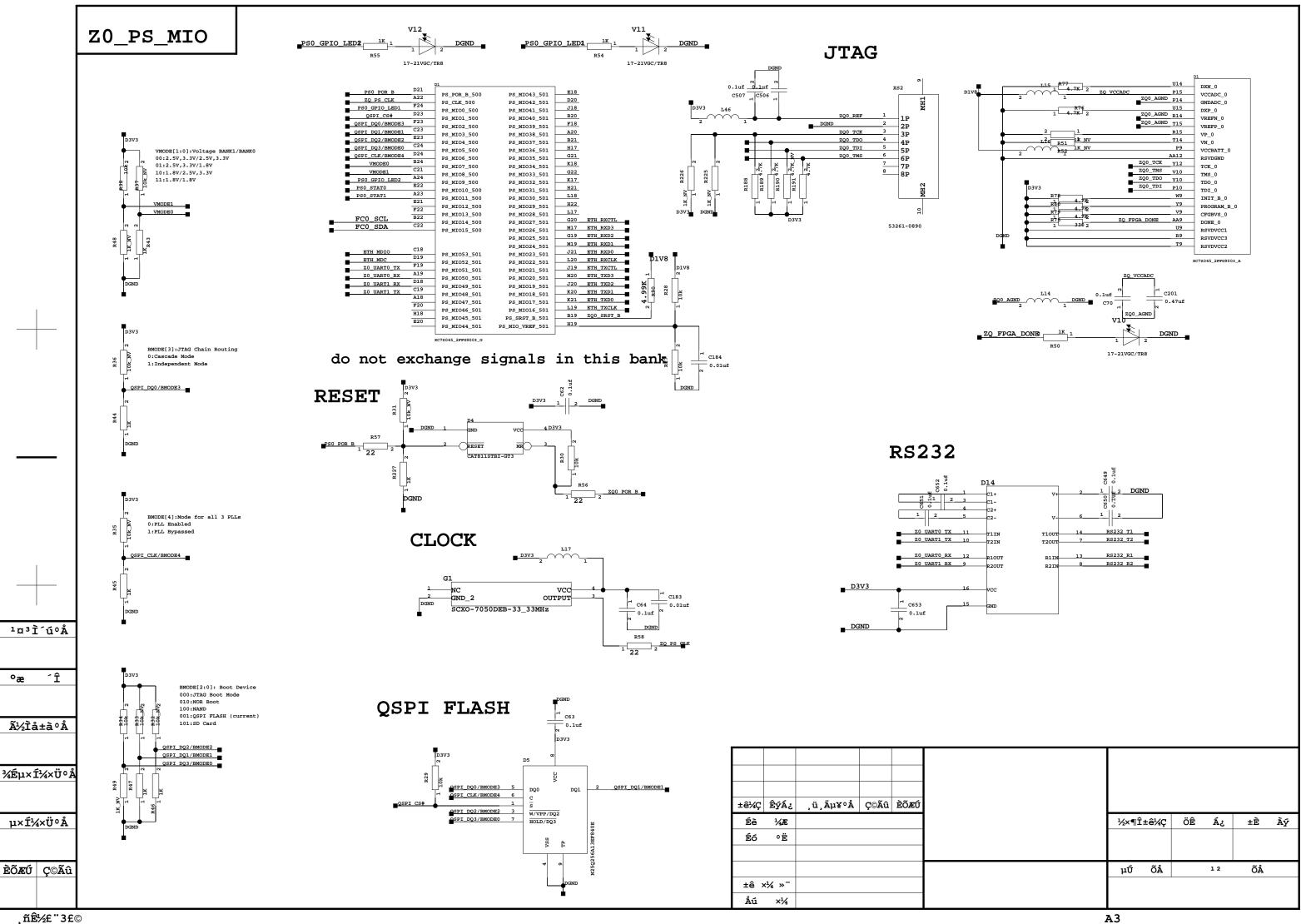


ñê½£"3£©

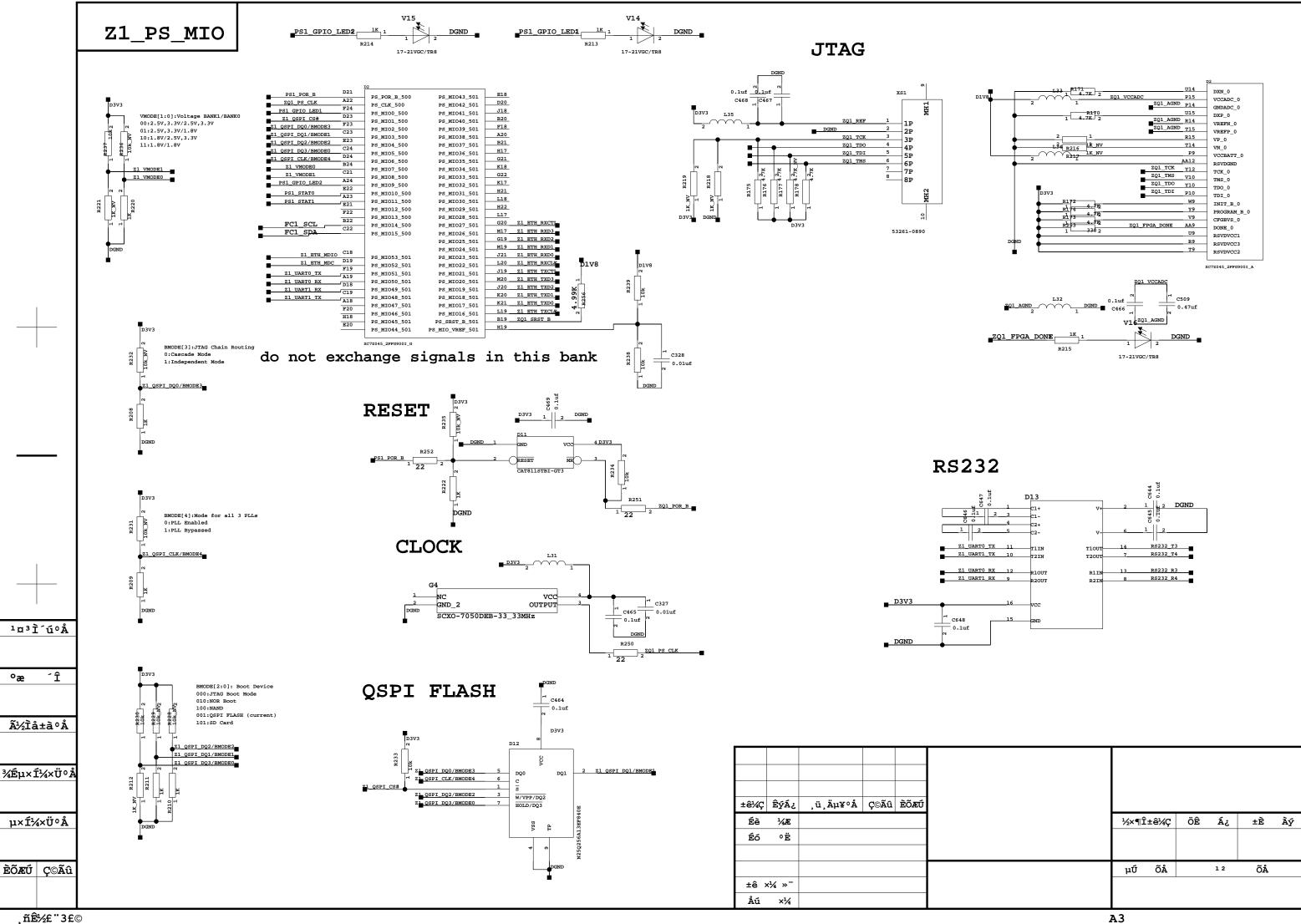
¹¤³Ì´úºÅ °æ ´Î ýÌå±à°Å ¾Éµ×ͼ×ܰÅ 񈬀 ÊýÁ¿ ¸ü¸äμ¥°Å Ç⊚Ãû ÈÕÆÚ ½×¶î±ê¼Ç ÖÊ Á¿ ±È Àý μ×ͼ×ܰÅ Éè ¼Æ ٥Ë ÈÕÆÚ Ç©Ãû μÚ ÕÅ 1 2 õå ±ê x¼ »⁻ Åú ×¼

А3

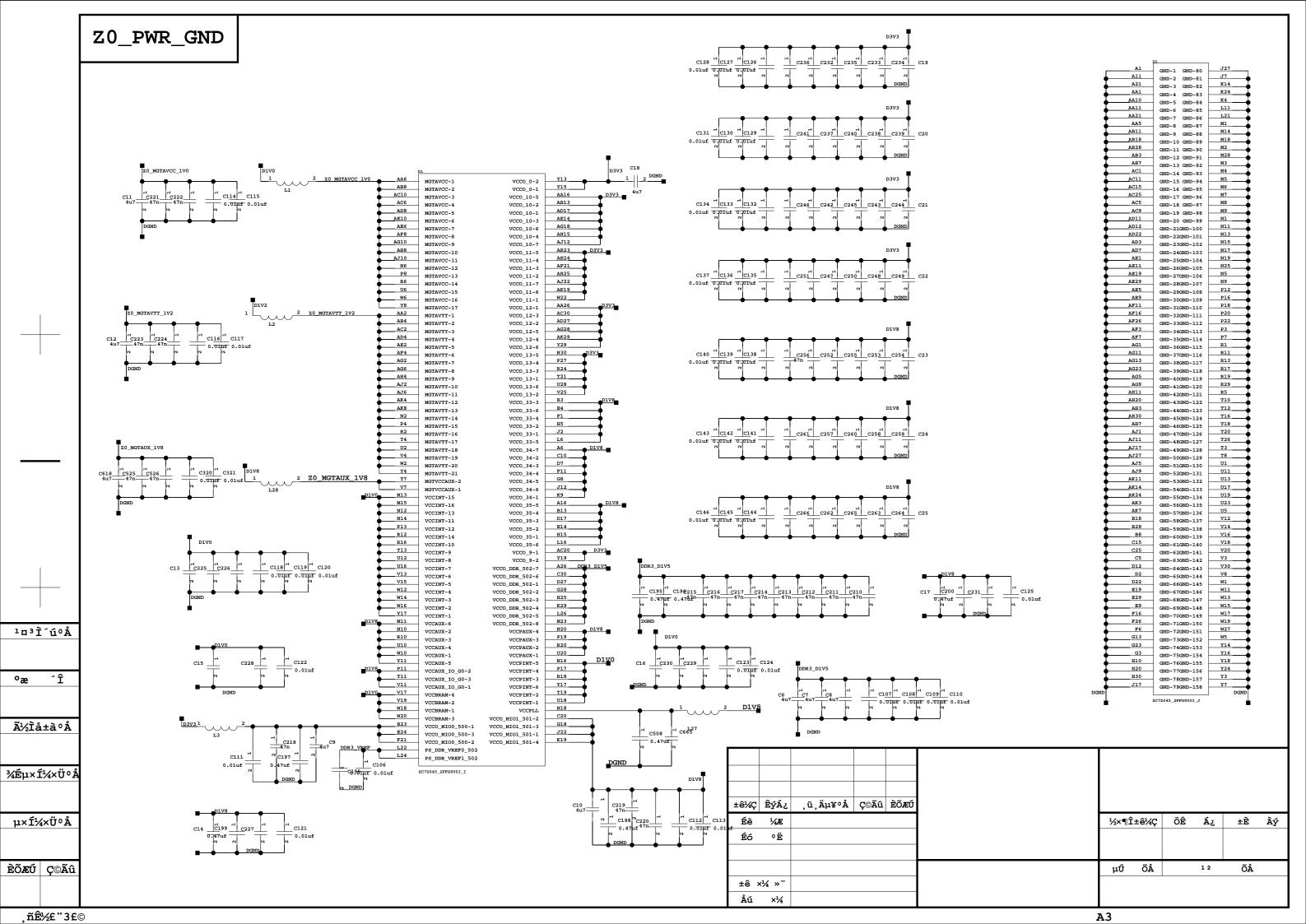
¸ñ£½£"3£©

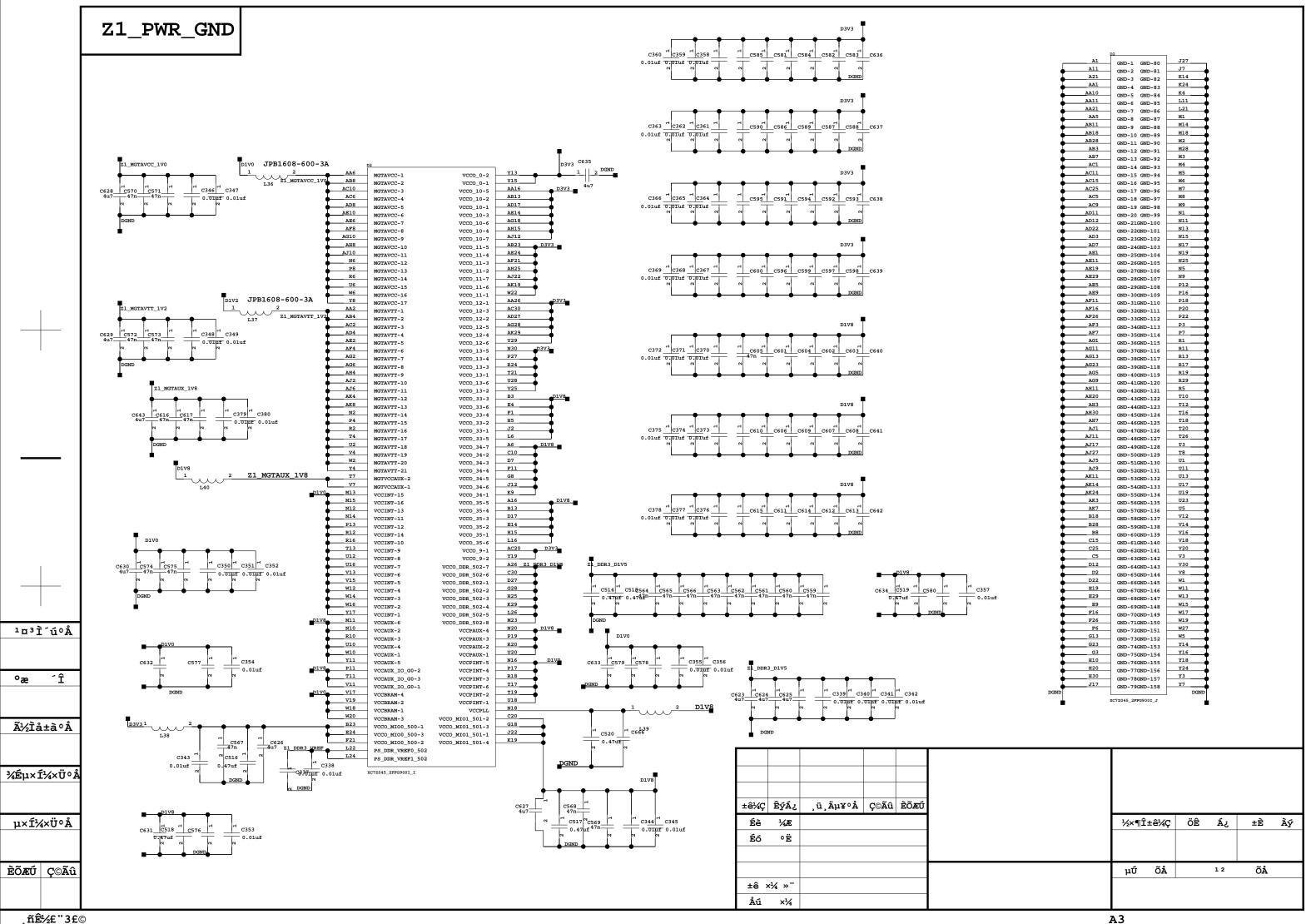


ñê½£"3£©



ñê½£"3£©





А3

Z0\_DDR3 **Z0\_BANK502** DDR3 RESET F25
DDR3 DQ1 E25
DDR3 DQ0 A25
DDR3 DQ3 A25
DDR3 DQ3 A25 DDR3\_A14 T7 DDR3\_A14 T7 K25 DDR3\_CKP PS\_DDR\_CKP\_502 DDR3\_A13 T3 A13 A3 DDR3\_DQ15 DDR3\_A13 T3 A13 A3 DDR3\_DQ31 J25 DDR3\_CKN PS DDR CKN 502 DDR3 A12 N7 B8 DDR3 DQ30 B8 DDR3 DQ14 DDR3 A12 N7 A12/BC# PS\_DDR\_A2\_502 L27 DDR3 A2 A12/BC# DQ14 DQ14 DDR3 A11 R7 A11 DDR3 A11 R7 A11 DDR3 A1 A2 DDR3 DQ13 A2 DDR3 DQ29 DDR3 DQ3 D25 PS\_DDR\_DQ3\_502 K26 PS\_DDR\_A1\_502 PS\_DDR\_A0\_502 DDR3\_A10 L7 A7 DDR3\_DQ28 DDR3 DQ2 B27 PS\_DDR\_DQ3\_502
DDR3 DM0 C27 PS\_DDR\_DM0\_502
DDR3 DQS0 N B26 PS\_DDR\_DQS\_N0\_502 DDR3\_A10 L7 A10/AP DDR3\_A0 DDR3\_BA2 A7 DDR3\_DQ12 L25 A10/AP DQ12 DDR3\_A9 R3 A9 C2 DDR3\_DQ11 C2 DDR3\_DQ27 DDR3\_A9 R3 A9 M25 PS\_DDR\_BA2\_502 DDR3\_A8 T8 C8 DDR3\_DQ10 DDR3\_A8 T8 C8 DDR3\_DQ26 M26 DDR3 BA1 A8 DQ10 A8 DO10 PS DDR BA1 502 DDR3 A7 R2 A7 DDR3 A7 R2 A7 DDR3 DQS0 P C26

DDR3 DQS P C26

DDR3 DQS E26

PS\_DDR\_DQS\_N0\_502

PS\_DDR\_DQS\_S0\_502 C3 DDR3 DQ9 C3 DDR3 DQ25 PS\_DDR\_BA0\_502 M27 DDR3 BA0 DDR3\_A6 R8 A6 D7 DDR3 DQ8 DDR3\_A6 R8 A6 D7 DDR3 DQ24 DDR3\_ODT PS DDR ODT 502 DDR3\_A5 P2 A5 H7 DDR3\_DQ7 H7 DDR3\_DQ23 DDR3\_DQ4 B25 PS\_DDR\_DQ4\_502 DDR3\_A5 P2 A5 N22 DDR3 CS# DQ7 PS\_DDR\_CS\_B\_502 DDR3\_A4 P8 A4 G2 DDR3\_DQ22 DDR3\_A4 P8 G2 DDR3\_DQ6 DDR3\_DQ7 E27 PS\_DDR\_DQ7\_502 M22 DDR3\_CKE DQ6 PS\_DDR\_CKE\_502 DDR3 DQ6 D26
DDR3 DQ9 A27
DDR3 DQ9 A27
PS\_DDR\_DQ9\_502
PS\_DDR\_DQ9\_502 DDR3\_A3 N2 A3
DDR3\_A2 P3 A2 H8 DDR3\_DQ5 DDR3 A3 N2 H8 DDR3\_DQ21 N23 DDR3 WE# PS\_DDR\_WE\_B\_502 DQ5 DQ5 DDR3 A2 P3 A2 H3 DDR3 DQ4 H3 DDR3 DQ20 M24 PS\_DDR\_CAS\_B\_502 DDR3\_A1 P7 F8 DDR3 DQ3 DDR3\_A1 P7 F8 DDR3 DQ19 DDR3 DQ8 A29 PS\_DDR\_DQ8\_502 N24 DDR3 RAS# DQ3 DQ3 PS\_DDR\_RAS\_B\_502 F2 DDR3\_DQ2 F2 DDR3\_DQ18 DDR3\_A0 N3 DDR3\_A0 N3 DDR3\_DQ11 A28 PS\_DDR\_DQ11\_502
DDR3\_DQ10 A30 PS\_DDR\_DQ10\_502 PS\_DDR\_DQ16\_502 H27 DDR3\_DQ16 F7 DDR3\_DQ1 F7 DDR3\_DQ17 G27 DDR3\_DQ17 PS DDR D017 502 DDR3 DM1 B30
DDR3 DMS1 N B29
DDR3 DQS1 P C29
DDR3 DQ13 D30
DDR3 DQ12 C28
DDR3 DQ13 D30
DDR3 DQ12 C28
DDR3 DQ15 C29
DDR3 DQ15 C29 DDR3 BA0 M2 DDR3 BA0 M2 E3 DDR3 DQ16 E3 DDR3 DQ0 H28 DDR3 DQ18 PS\_DDR\_DQ18\_502 DQ0 DQ0 DDR3 BA1 N8 E28 DDR3 DQ19 PS\_DDR\_DQ19\_502 PS\_DDR\_DM2\_502 BA1 BA2 G3 DDR3 DQS0 P F3 DDR3 DQS2 P DDR3 DM2 DDR3 DQS2 P DDR3\_BA2\_M3 DDR3\_BA2\_M3 H29 LDQS LDQS G29 LDQS# PS\_DDR\_DQS\_P2\_502 DDR3\_ODT K1 DDR3\_ODT K1 F29 DDR3\_DQS2\_N PS\_DDR\_DQS\_N2\_502 C7 DDR3 DQS1 P DDR3 DQ15 D29 PS\_DDR\_DQ15\_502 PS\_DDR\_DQ14\_502 DGND R101 L8

DGND 1 R45 1 1 240 2 DDR3 RESET T2

DDR3 VTT 899 DDR3 CKEK9

1 9 2 77 C7 DDR3 DQS3 P PS\_DDR\_DQ20\_502 E30 DDR3 DQ20 B7 DDR3 DQS1 N DGND R102 DDR3 RESET 1 B7 DDR3 DQS3 N F28 DDR3 DQ21 UDQS# UDQS# PS DDR DQ21 502 240 2 T2 ESET#

DDR3\_CKE K9 CKE DDR3 A13 H23 PS\_DDR\_A13\_502
DDR3\_A14 J24 PS DDR A14 502 PS\_DDR\_DQ22\_502 G30 DDR3\_DQ22 DDR3\_DQ23 CKE CKE PS DDR DQ23 502 DDR3\_CKP J7 D3 DDR3\_DM1 D3\_DDR3\_DM3 DDR3\_A11 H24 PS\_DDR\_A11\_502 PS\_DDR\_DQ24\_502 J29 DDR3\_DQ24 DDR3 A12 K23 PS\_DDR\_A12\_502 DDR3 DQ25 DDR3 CKN K7 K27\_\_\_ J1 J1 NC\_J1 NC\_J1 PS\_DDR\_DQ25\_502 DDR3 CS# L2
DDR3 RAS# J3
DDR3 CAS# K3
DDR3 WE# L3
DDR3 VREF M8 DDR3 DQ26 DDR3 CS# L2 DDR3 A9 J23 PS\_DDR\_A9\_502 J9 J9 J30 NC J9 CS# NC J9 PS DDR DQ26 502 DDR3 RAS# J3
DDR3 CAS# K3
DDR3 WE# L3
DDR3 VREF M8 DDR3 A10 G26 PS\_DDR\_A10\_502 L1 L1 J28\_ PS\_DDR\_DQ27\_502 DDR3 A7 K22 PS\_DDR\_AT\_502
DDR3 A8 F27 PS\_DDR\_A8\_502 L9 M7 L9 M7 K28 DDR3\_DM3 CAS# NC L9 CAS# NC L9 PS DDR DM3 502 L28 DDR3\_DQS3\_P PS\_DDR\_DQS\_P3\_502 NC\_M7 DDR3 A5 G24 PS\_DDR\_A5\_502 VREFCA VREFCA PS\_DDR\_DQS\_N3\_502 DDR3 D1V5 DDR3 A6 H26 PS\_DDR\_A3\_502
DDR3 A3 G25 PS\_DDR\_A3\_502 1 C190 H1 B2 H1 K30 DDR3 DQ28 VDD\_B2 VREFDQ VDD\_B2 PS\_DDR\_DQ28\_502 D9 \_\_\_ D9\_\_\_ M29 \_\_\_\_\_DDR3\_DQ29 C187 C188 C189 PS\_DDR\_DQ29\_502 PS\_DDR\_DQ30\_502 \_ 0.01uf VDD\_D9 VDD D9 DDR3\_DQ30 R91 DDR3\_A4 J26
PS\_DDR\_A3\_502
PS\_DDR\_A4\_502
PS\_DDR\_A4\_502
PS\_DDR\_A4\_502
PS\_DDR\_A4\_502
PS\_DDR\_A4\_502
PS\_DDR\_A4\_502 G7 0.01uf 0.01uf 0.01uf G7 L30 VDD\_G7 VDD\_G7 DDR3\_D1V5 K2 K2\_ м30 VDDQ\_A1 VDD\_K2 DDR3\_D1V5 VDDQ\_A1 VDD\_K2 PS\_DDR\_DQ31\_502 DDR3 D1V5 82/1%2 1 N21 PS\_DDR\_VRN\_502 \_\_ A8 K8\_\_ \_8A K8\_\_ VDDO A8 VDD K8 VDDO A8 VDD K8 C1 N1 \_\_C1 N1 VDDQ\_C1 VDD\_N1 VDDQ\_C1 VDD\_N1 N9\_ VDDO C9 VDD N9 VDDO C9 VDD N9 C191 C192 D2 VDDQ\_D2 R1 D2 VDDQ\_D2 VDD\_R1 R1 E9 E9 0.01uf 0.01uf VDDO E9 VDD\_R9 VDDQ\_E9 VDD\_R9 F1 F1 VDDQ\_F1 VDDQ\_F1 H2 H2 VDDQ\_H2 VDDQ\_H2 \_н9 A9 B3 \_\_ н9 A9\_\_\_\_\_ B3 VDDQ\_H9 VSS\_A9 VDDQ\_H9 VSS\_A9 G8\_ G8 VSSO BI VSSO B1 VSS G8 VSS G8 в9 J2\_\_\_ в9 J2 VSSQ\_B9 VSS\_J2 VSSQ\_B9 VSS\_J2 D1 VSSQ\_D1 VSSQ\_D8 VSS\_J8 VSS\_M9 VSSQ\_D1 VSSQ\_D8 VSS J8 \_D8 м9\_\_ D8 м9 vss\_m9 E2 P1 E2 P1 VSSQ\_E2 VSS\_P1 VSSQ\_E2 VSS\_P1 E8 P9 E8 P9 R93 VSSQ\_E8 VSS\_P9 VSSQ\_E8 VSS\_P9 F9 1 8 DDR3 A9 F9 VSSQ\_F9 VSS\_T1 T1\_ T1\_ 2 7 DDR3 A13 3 6 DDR3 A11 G1 Т9\_ G1\_\_ Т9\_ VSSQ G1 VSS T9 VSSQ G1 VSS T9 G9 M1 G9 M1 5 DDR3\_A14 R94 MT41J256M16HA-107 MT41J256M16HA-107 2 7 DDR3 RAS# 3 6 DDR3 A5 5 DDR3\_A3 1 39 7 DDR3 A8 2 7 DDR3 A1 3 6 DDR3 A12 5 DDR3 A10 8 DDR3 A8 G202 C272 C273 C274 C271 C204 C288 C289 C290 C287 4 5 DDR3\_A10 1 39 7 DDR3 BA0 3 6 DDR3 CS# DDR3\_D1V5 DDR3\_D1V5 ¹¤³Ì´úºÅ 4 5 DDR3\_ODT R97 8 DDR3 BA1 7 DDR3 A4 <sup>1</sup><sub>2</sub> 39 C203 C281 C205 C296 3 6 DDR3\_A6 4 5 DDR3\_CAS# R98 °æ î 8 DDR3 WE# 1 8 DDR3 WE# 7 DDR3 A0 3 6 DDR3\_A2 ýÌå±à°Å 39 C208 C209 C207 C185 C73 C74 C75 C76 C76 C77 C78 C78 C186 C185 C206 ¾Éµ×ͼ×ܰŽ ,ü,Äμ¥°Å |Ç©Ãû ÈÕÆÚ 񈬀 ÊýÁ¿ ÖÊ Àý μ×ͼ×ܰÅ Éè ½×¶î±ê¼Ç śÀ ±È **¼Æ** ٥Ë õå ÈÕÆÚ Ç©Ãû μÚ õå 12 ±ê x¼ »⁻ Åú ×1/4

**A3** 

ñê½E"3£©

ñʽ£"3£©

°æ

i	01		1		D1
L5 J4	IO_0_VRN_33	IO_0_VRN_34	M12 B10	<u>K16</u>	IO_0_VRN_35
J3	IO_L1P_T0_33	IO_L1P_T0_34	A10	<u>L15</u>	IO_L1P_T0_AD0P_35
L1	IO_L1N_T0_33	IO_L1N_T0_34	B9	<u>L14</u> 	IO_L1N_TO_ADON_35
K1	IO_L2P_T0_33	IO_L2P_T0_34	A9	H13	IO_L2P_T0_AD8P_35
K3	IO_L2N_T0_33	IO_L2N_T0_34	A8	L13	IO_L2N_T0_AD8N_35
K2	IO_L3P_T0_DQS_33 IO_L3N_T0_DQS_33	IO_L3P_T0_DQS_PUDC_B_34 IO_L3N_T0_DQS_34	A7	K13	IO_L3P_T0_DQS_AD1P_35
L3	IO_L3N_IO_DQS_33	IO_LISN_IO_DQS_34 IO L4P TO 34	C7	J14	IO_L3N_T0_DQS_AD1N_35
L2	IO_L4N_T0_33	IO_L4N_T0_34	В7	H14	IO_L4P_T0_35 IO_L4N_T0_35
K5	IO_L5P_T0_33	IO_L5P_T0_34	C6	K15	IO_L5P_T0_AD9P_35
J5	IO_L5N_T0_33	IO_L5N_T0_34	B6_		IO_L5N_TO_AD9N_35
K6	IO_L6P_T0_33	IO_L6P_T0_34	C9_	J16	IO L6P TO 35
J6	IO_L6N_T0_VREF_33	IO_L6N_T0_VREF_34	C8	<u>H16</u>	IO L6N TO VREF 35
G2	IO_L7P_T1_33	IO_L7P_T1_34	J11_	<u>G17</u>	IO L7P T1 AD2P 35
F2	IO_L7N_T1_33	IO_L7N_T1_34	H11_	G16	IO_L7N_T1_AD2N_35
Н6	IO_L8P_T1_33	IO_L8P_T1_34	E11	G15	IO_L8P_T1_AD10P_35
G6	IO_L8N_T1_33	IO_L8N_T1_34	D11	G14	IO_L8N_T1_AD10N_35
J1	IO_L9P_T1_DQS_33	IO_L9P_T1_DQS_34	H12	G12	IO_L9P_T1_DQS_AD3P_35
H1 H2	IO_L9N_T1_DQS_33	IO_L9N_T1_DQS_34	G11		IO_L9N_T1_DQS_AD3N_35
G1	IO_L10P_T1_33	IO_L10P_T1_34	D10		IO_L10P_T1_AD11P_35
H4	IO_L10N_T1_33	IO_L10N_T1_34	G10	E12 E13	IO_L10N_T1_AD11N_35
н3	IO_L11P_T1_SRCC_33	IO_L11P_T1_SRCC_34	F10	D13	IO_L11P_T1_SRCC_35
G5	IO_L11N_T1_SRCC_33	IO_L11N_T1_SRCC_34	D9	F15	IO_L11N_T1_SRCC_35
G4	IO_L12P_T1_MRCC_33	IO_L12P_T1_MRCC_34	D8	F14	IO_L12P_T1_MRCC_35
F5	IO_L12N_T1_MRCC_33 IO_L13P_T2_MRCC_33	IO_L12N_T1_MRCC_34 IO_L13P_T2_MRCC_34	н9	E16	IO_L12N_T1_MRCC_35
E5	IO_LI3P_T2_MRCC_33	IO_LI3P_I2_MRCC_34 IO L13N T2 MRCC 34	G9	E15	IO_L13P_T2_MRCC_35
F4	IO_LI3N_I2_MRCC_33	IO_LISN_I2_MRCC_34 IO L14P T2 SRCC 34	F9	D15	IO_L13N_T2_MRCC_35 IO L14P T2 AD4P SRCC 35
F3	IO L14N T2 SRCC 33	IO L14N T2 SRCC 34	E8	D14	IO_L14P_T2_AD4P_SRCC_35
E6	IO_L15P_T2_DQS_33	IO_L15P_T2_DQS_34	J8	_F17	IO_L15P_T2_DQS_AD12P_35
D5	IO_L15N_T2_DQS_33	IO_L15N_T2_DQS_34	Н8	E17	IO_L15N_T2_DQS_AD12N_35
D4	IO_L16P_T2_33	IO_L16P_T2_34	F8_	D16	IO_L16P_T2_35
D3	IO_L16N_T2_33	IO_L16N_T2_34	F7	_C16	IO_L16N_T2_35
E3	IO_L17P_T2_33	IO_L17P_T2_34	E7_	<u>C17</u>	IO_L17P_T2_AD5P_35
E2	IO_L17N_T2_33	IO_L17N_T2_34	D6	_B16	IO_L17N_T2_AD5N_35
E1 D1	IO_L18P_T2_33	IO_L18P_T2_34	H7	B17	IO_L18P_T2_AD13P_35
	IO_L18N_T2_33	IO_L18N_T2_34	G7	<u>A17</u>	IO_L18N_T2_AD13N_35
C4 C3	IO_L19P_T3_33	IO_L19P_T3_34	L7 K7	<u>C14</u>	IO_L19P_T3_35
B5	IO_L19N_T3_VREF_33	IO_L19N_T3_VREF_34	J10	<u>C13</u>	IO_L19N_T3_VREF_35
B4	IO_L20P_T3_33	IO_L20P_T3_34	J9	C12 B12	IO_L20P_T3_AD6P_35
A5	IO_L20N_T3_33	IO_L20N_T3_34	L8	B15	IO_L20N_T3_AD6N_35
A4	IO_L21P_T3_DQS_33	IO_L21P_T3_DQS_34	K8	A15	IO_L21P_T3_DQS_AD14P_35
C2	IO_L21N_T3_DQS_33 IO_L22P_T3_33	IO_L21N_T3_DQS_34 IO_L22P_T3_34	K11	C11	IO_L21N_T3_DQS_AD14N_35
C1	IO_L22P_T3_33 IO_L22N_T3_33	IO_L22P_T3_34 IO_L22N_T3_34	K10	B11	IO_L22P_T3_AD7P_35
B2	IO_L22N_T3_33 IO_L23P_T3_33	IO_L22N_T3_34 IO_L23P_T3_34	L10	B14	IO_L22N_T3_AD7N_35 IO_L23P_T3_35
B1	IO_L23N_T3_33	IO_L23N_T3_34	L9	A14	IO_L23P_T3_35 IO_L23N_T3_35
A3	IO L24P T3 33	IO L24P T3 34	L12	A13	IO_L24P_T3_AD15P_35
A2	IO_L24N_T3_33	IO_L24N_T3_34	K12	A12	IO_L24P_I3_ADISP_35
L4	IO_25_VRP_33	IO_25_VRP_34	M10	<u>M16</u>	IO_25_VRP_35
1	CC7Z045_2FFG900I_D				XC7Z045_2FFG900I_E

	D2		
L5	IO_0_VRN_33	IO_0_VRN_34	M12
J4	IO_L1P_T0_33	IO_L1P_T0_34	B10
J3	IO L1N TO 33	IO LIN TO 34	A10
L1	IO L2P TO 33	IO L2P TO 34	в9
K1	IO_L2N_T0_33	IO L2N TO 34	A9
к3	IO_L3P_T0_DQS_33	IO_L3P_T0_DQS_PUDC_B_34	A8
K2	IO_L3P_IO_DQS_33	IO_L3P_TU_DQS_FUDC_B_34	A7
L3	IO_L3N_IO_DQS_33	IO_L3N_IO_DQS_34	C7
L2	IO_L4P_TO_33	IO_L4P_IU_34 IO L4N TO 34	В7
K5	IO_L4N_TU_33	IO_L4N_T0_34 IO L5P T0 34	C6
J5			В6
K6	IO_L5N_T0_33	IO_L5N_T0_34	C9
J6	IO_L6P_T0_33	IO_L6P_T0_34	C8
G2	IO_L6N_T0_VREF_33	IO_L6N_T0_VREF_34	J11
F2	IO_L7P_T1_33	IO_L7P_T1_34	H11
Н6	IO_L7N_T1_33	IO_L7N_T1_34	E11
G6	IO_L8P_T1_33	IO_L8P_T1_34	D11
	IO_L8N_T1_33	IO_L8N_T1_34	
J1	IO_L9P_T1_DQS_33	IO_L9P_T1_DQS_34	H12
H1	IO_L9N_T1_DQS_33	IO_L9N_T1_DQS_34	G11
H2	IO_L10P_T1_33	IO_L10P_T1_34	E10
G1	IO_L10N_T1_33	IO_L10N_T1_34	D10
Н4	IO_L11P_T1_SRCC_33	IO_L11P_T1_SRCC_34	G10
н3	IO_L11N_T1_SRCC_33	IO_L11N_T1_SRCC_34	F10
G5	IO_L12P_T1_MRCC_33	IO_L12P_T1_MRCC_34	D9
G4	IO_L12N_T1_MRCC_33	IO_L12N_T1_MRCC_34	D8
F5	IO_L13P_T2_MRCC_33	IO_L13P_T2_MRCC_34	Н9
E5	IO_L13N_T2_MRCC_33	IO_L13N_T2_MRCC_34	G9
F4	IO_L14P_T2_SRCC_33	IO_L14P_T2_SRCC_34	F9
F3	IO_L14N_T2_SRCC_33	IO_L14N_T2_SRCC_34	E8
E6	IO L15P T2 DQS 33	IO L15P T2 DQS 34	J8
D5	IO_L15N_T2_DQS_33	IO_L15N_T2_DQS_34	Н8
D4	IO_L16P_T2_33	IO_L16P_T2_34	F8
D3	IO L16N T2 33	IO L16N T2 34	F7
E3	IO L17P T2 33	IO L17P T2 34	E7
E2	IO L17N T2 33	IO L17N T2 34	D6
E1	IO_L18P_T2_33	IO_L18P_T2_34	н7
D1	IO_L18N_T2_33	IO_L18N_T2_34	G7
C4	IO L19P T3 33	IO L19P T3 34	L7
C3	IO_L19N_T3_VREF_33	IO_L19N_T3_VREF_34	K7
В5	IO L20P T3 33	IO_DISK_IS_VKEF_S4	J10
В4	IO_L20F_13_33	IO_L20F_13_34 IO_L20N_T3_34	J9
A5	IO_L21P_T3_DQS_33	IO_L21P_T3_DQS_34	L8
A4			к8
C2	IO_L21N_T3_DQS_33	IO_L21N_T3_DQS_34	K11
C1	IO_L22P_T3_33	IO_L22P_T3_34	K10
B2	IO_L22N_T3_33	IO_L22N_T3_34	L10
B1	IO_L23P_T3_33	IO_L23P_T3_34	L9
A3	IO_L23N_T3_33	IO_L23N_T3_34	L12
A2	IO_L24P_T3_33	IO_L24P_T3_34	K12
	IO_L24N_T3_33	IO_L24N_T3_34	
L4	IO_25_VRP_33	IO_25_VRP_34	M10

w16	02
K16	IO_0_VRN_35
L15	IO_L1P_T0_AD0P_35
L14	IO_L1N_T0_AD0N_35
J13	IO_L2P_T0_AD8P_35
H13	IO_L2N_T0_AD8N_35
L13	IO_L3P_T0_DQS_AD1P_35
K13	IO_L3N_T0_DQS_AD1N_35
J14	IO_L4P_T0_35
H14	IO_L4N_T0_35
K15	IO_L5P_T0_AD9P_35
J15	IO_L5N_T0_AD9N_35
J16	IO_L6P_T0_35
Н16	IO_L6N_T0_VREF_35
G17	IO_L7P_T1_AD2P_35
G16	IO_L7N_T1_AD2N_35
G15	IO_L8P_T1_AD10P_35
G14	IO_L8N_T1_AD10N_35
G12	IO_L9P_T1_DQS_AD3P_35
F12	IO_L9N_T1_DQS_AD3N_35
F13	IO_L10P_T1_AD11P_35
E12	IO_L10N_T1_AD11N_35
E13	IO_L11P_T1_SRCC_35
D13	IO_L11N_T1_SRCC_35
F15	IO_L12P_T1_MRCC_35
F14	IO_L12N_T1_MRCC_35
E16	IO_L13P_T2_MRCC_35
E15	IO_L13N_T2_MRCC_35
D15	IO_L14P_T2_AD4P_SRCC_35
D14	IO_L14N_T2_AD4N_SRCC_35
F17	IO_L15P_T2_DQS_AD12P_35
E17	IO_L15N_T2_DQS_AD12N_35
D16	IO_L16P_T2_35
C16	IO L16N T2 35
C17	IO_L17P_T2_AD5P_35
B16	IO_L17N_T2_AD5N_35
B17	IO_L18P_T2_AD13P_35
A17	IO_L18N_T2_AD13N_35
C14	IO_L19P_T3_35
C13	IO L19N T3 VREF 35
C12	IO_L20P_T3_AD6P_35
B12	IO_L20N_T3_AD6N_35
B15	IO_L21P_T3_DQS_AD14P_35
A15	IO_L21N_T3_DQS_AD14N_35
C11	IO_L22P_T3_AD7P_35
B11	IO L22N T3 AD7N 35
B14	IO_L23P_T3_35
A14	IO_L23N_T3_35
A13	IO L24P T3 AD15P 35
A12	IO_L24F_I3_ADI5F_35 IO_L24N_T3_AD15N_35
M16	IO_25_VRP_35
7	10_25_VRP_35 KC7Z045_2FFG900I_E

ýÌå±à°Å									
¾Éμ×ͼ×ܰÅ									
	񈬀		,ü,ĵ¥°Å	Ç©Ãû	ÈÕÆÚ	½×¶Î±	21/0	ÖÊ Á¿	.5 5.5
μ×ͼ×ܰÅ	Éб	¼Æ °Ë				<i>7</i> <sub>2</sub> ×¶1±	:e¼Ç	ÖË Ā¿	±È Àý
ÈÕÆÚ Ç©Ãû	±ê >	(¼ »−				μŰ	ÕÅ	1 2	ÕÅ
	ก็กำ	×1⁄4							

,ñʽ£"3£©

¹¤³Ì´úºÅ

°æ ´Î

**A**3