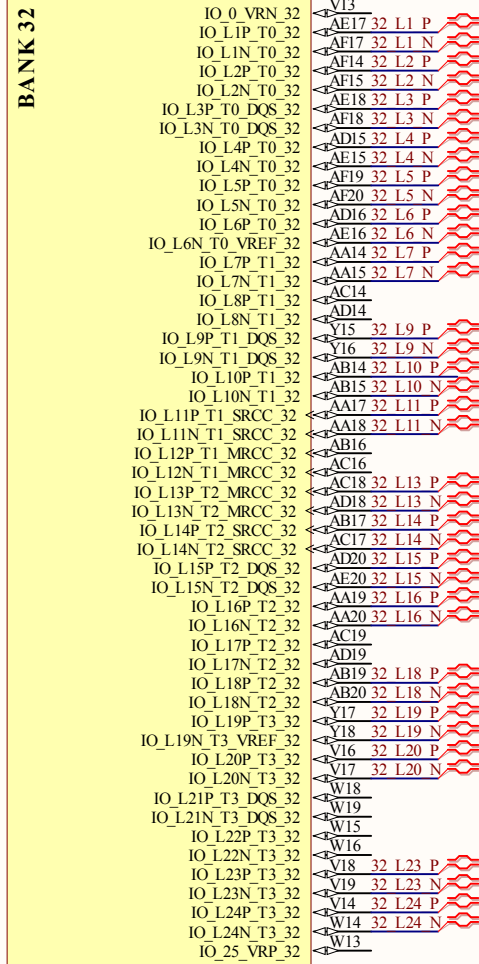


BANK_VCC 1.8V
1.8V LVDS

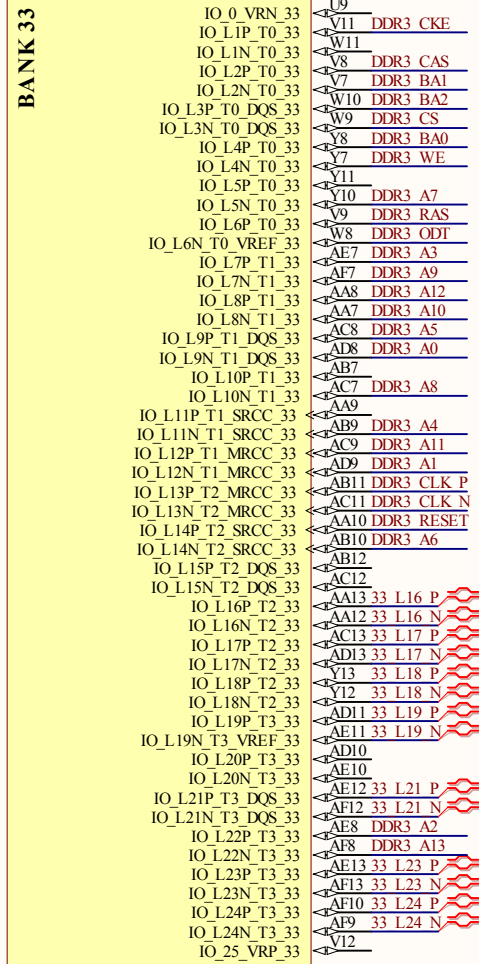
U2F



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BANK_VCC 1.5V
1.5V LVDS

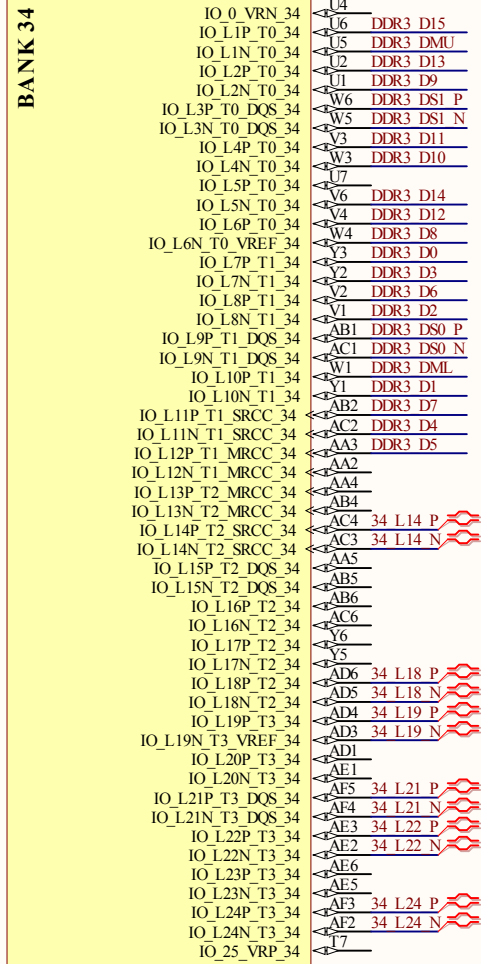
U2G



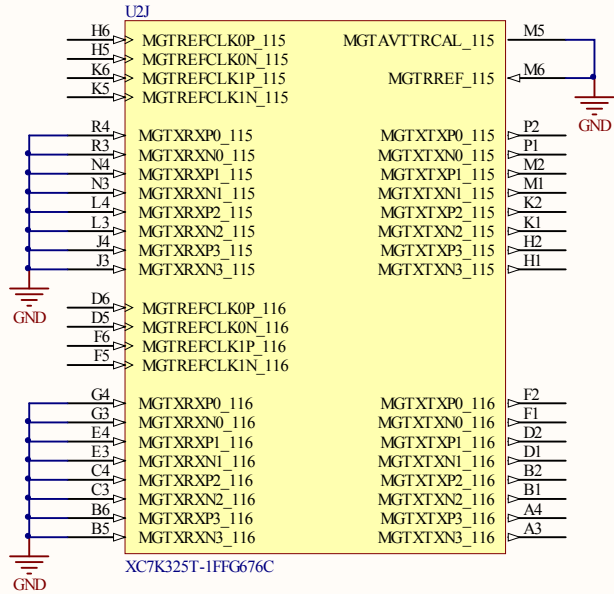
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BANK_VCC 1.5V
1.5V LVDS

U2H



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BANK_VCC 3.3V
3.3V COMS

BANK 12	IO_0_12	U21 U21
	IO_L1P_T0_12	U22 U22
	IO_L1N_T0_12	V22 V22
	IO_L2P_T0_12	U24 U24
	IO_L2N_T0_12	U25 U25
	IO_L3P_T0_DQS_12	V23 V23
	IO_L3N_T0_DQS_12	V24 V24
	IO_L4P_T0_12	U26 U26
	IO_L4N_T0_12	V26 V26
	IO_L5P_T0_12	W25 W25
	IO_L5N_T0_12	W26 W26
	IO_L6P_T0_12	V21
	IO_L6N_T0_VREF_12	W21 W21
	IO_L7P_T1_12	AA25 AA25
	IO_L7N_T1_12	AB25 AB25
	IO_L8P_T1_12	W23 W23
	IO_L8N_T1_12	W24 W24
	IO_L9P_T1_DQS_12	AB26 AB26
	IO_L9N_T1_DQS_12	AC26 AC26
	IO_L10P_T1_12	Y25 Y25
	IO_L10N_T1_12	Y26 Y26
	IO_L11P_T1_SRCC_12	AA23 AA23
	IO_L11N_T1_SRCC_12	AB24 AB24
	IO_L12P_T1_MRCC_12	Y23 Y23
	IO_L12N_T1_MRCC_12	AA24 AA24
	IO_L13P_T2_MRCC_12	Y22 Y22
	IO_L13N_T2_MRCC_12	AA22 AA22
	IO_L14P_T2_SRCC_12	AC23 AC23
	IO_L14N_T2_SRCC_12	AC24 AC24
	IO_L15P_T2_DQS_12	W20 W20
	IO_L15N_T2_DQS_12	Y21 Y21
	IO_L16P_T2_12	AD23 AD23
	IO_L16N_T2_12	AD24 AD24
	IO_L17P_T2_12	AB22 AB22
	IO_L17N_T2_12	AC22 AC22
	IO_L18P_T2_12	AB21 AB21
	IO_L18N_T2_12	AC21 AC21
	IO_L19P_T3_12	AD21 AD21
	IO_L19N_T3_VREF_12	AE21 AE21
	IO_L20P_T3_12	AF24 AF24
	IO_L20N_T3_12	AF25 AF25
	IO_L21P_T3_DQS_12	AD26 AD26
	IO_L21N_T3_DQS_12	AE26 AE26
	IO_L22P_T3_12	AE23 AE23
	IO_L22N_T3_12	AF23 AF23
	IO_L23P_T3_12	AD25 AD25
	IO_L23N_T3_12	AE25
	IO_L24P_T3_12	AE22 AE22
	IO_L24N_T3_12	AF22 AF22
	IO_25_12	Y20 Y20

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BANK_VCC 3.3V
3.3V COMS

BANK 13	IO_0_13	N16
	IO_L1P_T0_13	K25 K25
	IO_L1N_T0_13	K26 K26
	IO_L2P_T0_13	R26 R26
	IO_L2N_T0_13	P26 P26
	IO_L3P_T0_DQS_13	M25 M25
	IO_L3N_T0_DQS_13	L25 L25
	IO_L4P_T0_13	P24 P24
	IO_L4N_T0_13	N24
	IO_L5P_T0_13	N26 N26
	IO_L5N_T0_13	M26 M26
	IO_L6P_T0_13	R25 R25
	IO_L6N_T0_VREF_13	P25 P25
	IO_L7P_T1_13	N19 N19
	IO_L7N_T1_13	M20 M20
	IO_L8P_T1_13	W24
	IO_L8N_T1_13	L24 L24
	IO_L9P_T1_DQS_13	P19 P19
	IO_L9N_T1_DQS_13	P20 P20
	IO_L10P_T1_13	M21 M21
	IO_L10N_T1_13	M22
	IO_L11P_T1_SRCC_13	P23 P23
	IO_L11N_T1_SRCC_13	N23
	IO_L12P_T1_MRCC_13	N21 GCLK
	IO_L12N_T1_MRCC_13	N22
	IO_L13P_T2_MRCC_13	R21 R21
	IO_L13N_T2_MRCC_13	P21 P21
	IO_L14P_T2_SRCC_13	R22 R22
	IO_L14N_T2_SRCC_13	R23
	IO_L15P_T2_DQS_13	T24 T24
	IO_L15N_T2_DQS_13	T25 T25
	IO_L16P_T2_13	T20 T20
	IO_L16N_T2_13	R20 R20
	IO_L17P_T2_13	T22 T22
	IO_L17N_T2_13	T23 T23
	IO_L18P_T2_13	U19 U19
	IO_L18N_T2_13	U20 U20
	IO_L19P_T3_13	T18 T18
	IO_L19N_T3_VREF_13	T19 T19
	IO_L20P_T3_13	P16
	IO_L20N_T3_13	N17 N17
	IO_L21P_T3_DQS_13	R16
	IO_L21N_T3_DQS_13	R17
	IO_L22P_T3_13	N18 N18
	IO_L22N_T3_13	M19 M19
	IO_L23P_T3_13	U17
	IO_L23N_T3_13	T17 T17
	IO_L24P_T3_13	R18 R18
	IO_L24N_T3_13	P18 P18
	IO_25_13	U16

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BANK_VCC 3.3V
3.3V COMS

BANK 14	IO_0_14	K21 K21
	IO_L1P_T0_D00_MOSI_14	B24 SPI D0
	IO_L1N_T0_D01_DIN_14	A25 SPI D1
	IO_L2P_T0_D02_14	B22 SPI D2
	IO_L2N_T0_D03_14	A22 SPI D3
	IO_L3P_T0_DQS_PUDC_B_14	B25 B25
	IO_L3N_T0_DQS_EMCCLK_14	B26 B26
	IO_L4P_T0_D04_14	A23 A23
	IO_L4N_T0_D05_14	A24 A24
	IO_L5P_T0_D06_14	D26 D26
	IO_L5N_T0_D07_14	C26 C26
	IO_L6P_T0_FCS_B_14	C23 SPI CS
	IO_L6N_T0_D08_VREF_14	C24 C24
	IO_L7P_T1_D09_14	D21 D21
	IO_L7N_T1_D10_14	C22 C22
	IO_L8P_T1_D11_14	B20 B20
	IO_L8N_T1_D12_14	A20 A20
	IO_L9P_T1_DQS_14	E21 E21
	IO_L9N_T1_DQS_D13_14	E22 E22
	IO_L10P_T1_D14_14	C21 C21
	IO_L10N_T1_D15_14	B21 B21
	IO_L11P_T1_SRCC_14	D23
	IO_L11N_T1_SRCC_14	D24 D24
	IO_L12P_T1_MRCC_14	F22 F22
	IO_L12N_T1_MRCC_14	E23
	IO_L13P_T2_MRCC_14	G22 G22
	IO_L13N_T2_MRCC_14	F23 F23
	IO_L14P_T2_SRCC_14	G24
	IO_L14N_T2_SRCC_14	F24 F24
	IO_L15P_T2_DQS_RDWR_B_14	E25 E25
	IO_L15N_T2_DQS_DOUT_CSO_B_14	D25 D25
	IO_L16P_T2_CSI_B_14	G25 G25
	IO_L16N_T2_A15_D31_14	G26 G26
	IO_L17P_T2_A14_D30_14	F25 F25
	IO_L17N_T2_A13_D29_14	E26 E26
	IO_L18P_T2_A12_D28_14	J26 J26
	IO_L18N_T2_A11_D27_14	H26 H26
	IO_L19P_T3_A10_D26_14	H21 H21
	IO_L19N_T3_A09_D25_VREF_14	G21 G21
	IO_L20P_T3_A08_D24_14	H23 H23
	IO_L20N_T3_A07_D23_14	H24 H24
	IO_L21P_T3_DQS_14	J21 J21
	IO_L21N_T3_DQS_A06_D22_14	H22 H22
	IO_L22P_T3_A05_D21_14	J24 J24
	IO_L22N_T3_A04_D20_14	J25 J25
	IO_L23P_T3_A03_D19_14	L22 L22
	IO_L23N_T3_A02_D18_14	K22 K22
	IO_L24P_T3_A01_D17_14	K23 K23
	IO_L24N_T3_A00_D16_14	J23 J23
	IO_25_14	L23 L23

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BANK_VCC 3.3V
3.3V COMS

BANK 15	IO_0_15	K15
	IO_L1P_T0_AD0P_15	C16 C16
	IO_L1N_T0_AD0N_15	B16 B16
	IO_L2P_T0_AD8P_15	A18 A18
	IO_L2N_T0_AD8N_15	A19
	IO_L3P_T0_DQS_AD1P_15	B17 B17
	IO_L3N_T0_DQS_AD1N_15	A17 A17
	IO_L4P_T0_AD9P_15	C19
	IO_L4N_T0_AD9N_15	B19
	IO_L5P_T0_AD2P_15	C17 C17
	IO_L5N_T0_AD2N_15	C18 C18
	IO_L6P_T0_15	D15 D15
	IO_L6N_T0_VREF_15	D16 D16
	IO_L7P_T1_AD10P_15	H16 H16
	IO_L7N_T1_AD10N_15	G16
	IO_L8P_T1_AD3P_15	G15 G15
	IO_L8N_T1_AD3N_15	F15 F15
	IO_L9P_T1_DQS_AD11P_15	J15 J15
	IO_L9N_T1_DQS_AD11N_15	J16 J16
	IO_L10P_T1_AD4P_15	E15 E15
	IO_L10N_T1_AD4N_15	E16 E16
	IO_L11P_T1_SRCC_AD12P_15	G17 G17
	IO_L11N_T1_SRCC_AD12N_15	F18
	IO_L12P_T1_MRCC_AD5P_15	F17 F17
	IO_L12N_T1_MRCC_AD5N_15	E17 E17
	IO_L13P_T2_MRCC_15	E18 E18
	IO_L13N_T2_MRCC_15	D18
	IO_L14P_T2_SRCC_15	H17 H17
	IO_L14N_T2_SRCC_15	H18 H18
	IO_L15P_T2_DQS_15	D19 D19
	IO_L15N_T2_DQS_ADV_B_15	D20 D20
	IO_L16P_T2_A28_15	G19 G19
	IO_L16N_T2_A27_15	F20
	IO_L17P_T2_A26_15	F19 F19
	IO_L17N_T2_A25_15	E20
	IO_L18P_T2_A24_15	H19 H19
	IO_L18N_T2_A23_15	G20 G20
	IO_L19P_T3_A22_15	K20 K20
	IO_L19N_T3_A21_VREF_15	J20 J20
	IO_L20P_T3_A20_15	J18
	IO_L20N_T3_A19_15	J19 J19
	IO_L21P_T3_DQS_15	L19 L19
	IO_L21N_T3_DQS_A18_15	L20 L20
	IO_L22P_T3_A17_15	K16
	IO_L22N_T3_A16_15	K17
	IO_L23P_T3_F0E_B_15	M17
	IO_L23N_T3_FWE_B_15	L18 L18
	IO_L24P_T3_RS1_15	L17
	IO_L24N_T3_RS0_15	K18
	IO_25_15	M16

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BANK_VCC 3.3V
3.3V COMS

BANK 16	IO_0_16	J8
	IO_L1P_T0_16	H9
	IO_L1N_T0_16	F8
	IO_L2P_T0_16	G10 G10
	IO_L2N_T0_16	G9 G9
	IO_L3P_T0_DQS_16	J13 J13
	IO_L3N_T0_DQS_16	H13 H13
	IO_L4P_T0_16	J11 J11
	IO_L4N_T0_16	J10 J10
	IO_L5P_T0_16	H14 H14
	IO_L5N_T0_16	G14
	IO_L6P_T0_16	H12 H12
	IO_L6N_T0_VREF_16	F9 F9
	IO_L7P_T1_16	F8 F8
	IO_L7N_T1_16	D9
	IO_L8P_T1_16	D8 D8
	IO_L8N_T1_16	A9 A9
	IO_L9P_T1_DQS_16	A8 A8
	IO_L9N_T1_DQS_16	C9 C9
	IO_L10P_T1_16	B9 B9
	IO_L10N_T1_16	G11 G11
	IO_L11P_T1_SRCC_16	F10 F10
	IO_L11N_T1_SRCC_16	E10 E10
	IO_L12P_T1_MRCC_16	D10 D10
	IO_L12N_T1_MRCC_16	C12 C12
	IO_L13P_T2_MRCC_16	C11 C11
	IO_L13N_T2_MRCC_16	E11 E11
	IO_L14P_T2_SRCC_16	D11 D11
	IO_L14N_T2_SRCC_16	F14 F14
	IO_L15P_T2_DQS_16	F13 F13
	IO_L15N_T2_DQS_16	G12 G12
	IO_L16P_T2_16	F12 F12
	IO_L16N_T2_16	D14 D14
	IO_L17P_T2_16	D13 D13
	IO_L17N_T2_16	E13 E13
	IO_L18P_T2_16	E12 E12
	IO_L18N_T2_16	C14 C14
	IO_L19P_T3_16	C13 C13
	IO_L19N_T3_VREF_16	B12
	IO_L20P_T3_16	B11 B11
	IO_L20N_T3_16	B14 B14
	IO_L21P_T3_DQS_16	A14 A14
	IO_L21N_T3_DQS_16	B10
	IO_L22P_T3_16	A10 A10
	IO_L22N_T3_16	B15 B15
	IO_L23P_T3_16	A15 A15
	IO_L23N_T3_16	A13 A13
	IO_L24P_T3_16	A12 A12
	IO_L24N_T3_16	J14 J14
	IO_25_16	

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