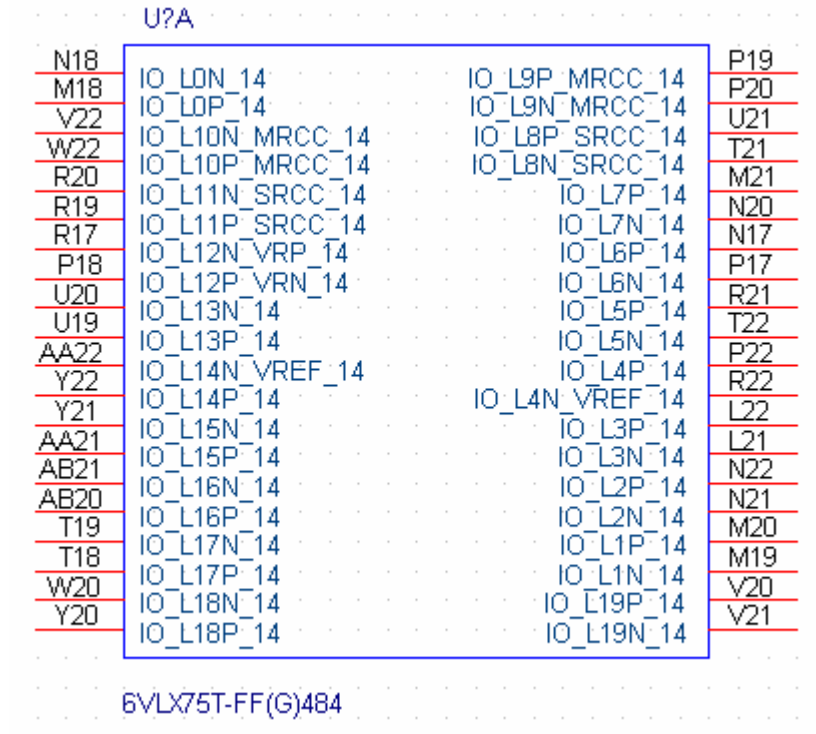


### Schematic Symbol for 6VLX75T-FF(G)484

The Schematic symbol consists of 11 heterogeneous parts that are listed below:

#### 1. I/O Bank 14



## 2. I/O Bank 15

U?B			
C20	IO_L0N_15	IO_L9P_MRCC_15	D20
B20	IO_L0P_15	IO_L9N_MRCC_15	E20
D22	IO_L10N_MRCC_15	IO_L8P_SRCC_15	K19
C22	IO_L10P_MRCC_15	IO_L8N_SRCC_15	J19
E22	IO_L11N_SRCC_15	IO_L7P_SM12P_15	E19
E21	IO_L11P_SRCC_15	IO_L7N_SM12N_15	D19
F22	IO_L12N_SM13N_15	IO_L6P_SM11P_15	K17
F21	IO_L12P_SM13P_15	IO_L6N_SM11N_15	L17
K20	IO_L13N_SM14N_15	IO_L5P_SM10P_15	B22
J20	IO_L13P_SM14P_15	IO_L5N_SM10N_15	C21
H18	IO_L14N_VREF_15	IO_L4P_15	J18
H17	IO_L14P_15	IO_L4N_VREF_15	J17
H21	IO_L15N_SM15N_15	IO_L3P_SM9P_15	G19
G21	IO_L15P_SM15P_15	IO_L3N_SM9N_15	F19
L19	IO_L16N_VRP_15	IO_L2P_SM8P_15	A21
L18	IO_L16P_VRN_15	IO_L2N_SM8N_15	B21
G20	IO_L17N_15	IO_L1P_15	G18
H20	IO_L17P_15	IO_L1N_15	F18
H22	IO_L18N_15	IO_L19P_15	K21
J22	IO_L18P_15	IO_L19N_15	K22

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### 3. I/O Bank 24

U?C			
U13	IO_L0N_GC_24	IO_L9P_MRCC_24	AA19
T13	IO_L0P_GC_24	IO_L9N_MRCC_24	AB19
AA17	IO_L10N_MRCC_24	IO_L8P_SRCC_24	AB18
Y17	IO_L10P_MRCC_24	IO_L8N_SRCC_24	AA18
Y16	IO_L11N_SRCC_24	IO_L7P_D5_24	W19
AA16	IO_L11P_SRCC_24	IO_L7N_D4_24	Y19
R15	IO_L12N_D2_FS2_24	IO_L6P_D7_24	V16
R14	IO_L12P_D3_24	IO_L6N_D6_24	U16
V15	IO_L13N_D0_FS0_24	IO_L5P_D9_24	W18
U15	IO_L13P_D1_FS1_24	IO_L5N_D8_24	W17
Y15	IO_L14N_VREF_FOE_B_MOSI_24	IO_L4P_D11_24	V13
W15	IO_L14P_FCS_B_24	IO_L4N_VREF_D10_24	W13
U14	IO_L15N_RS1_24	IO_L3P_D13_24	V17
T14	IO_L15P_FWE_B_24	IO_L3N_D12_24	V18
AA13	IO_L16N_CSO_B_24	IO_L2P_D15_24	T16
AB13	IO_L16P_RSD_24	IO_L2N_D14_24	R16
W14	IO_L17N_VRP_24	IO_L1P_GC_24	T17
Y14	IO_L17P_VRN_24	IO_L1N_GC_24	U18
AA14	IO_L18N_24	IO_L19P_24	AB15
AB14	IO_L18P_24	IO_L19N_24	AB16

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#### 4. I/O Bank 25

U?D			
E14	IO_L0N_25	IO_L9P_MRCC_25	E16
D14	IO_L0P_25	IO_L9N_MRCC_25	F16
B19	IO_L10N_MRCC_25	IO_L8P_SRCC_25	C13
A19	IO_L10P_MRCC_25	IO_L8N_SRCC_25	D13
C17	IO_L11N_SRCC_25	IO_L7P_25	A17
C16	IO_L11P_SRCC_25	IO_L7N_25	A18
B13	IO_L12N_25	IO_L6P_25	F12
A13	IO_L12P_25	IO_L6N_25	E12
C18	IO_L13N_25	IO_L5P_25	A16
B18	IO_L13P_25	IO_L5N_25	B16
F14	IO_L14N_VREF_25	IO_L4P_25	F13
G14	IO_L14P_25	IO_L4N_VREF_25	G13
H16	IO_L15N_25	IO_L3P_25	D15
G16	IO_L15P_25	IO_L3N_25	E15
H13	IO_L16N_VRP_25	IO_L2P_25	A14
H12	IO_L16P_VRN_25	IO_L2N_25	B14
D18	IO_L17N_25	IO_L1P_25	B15
D17	IO_L17P_25	IO_L1N_25	C15
H15	IO_L18N_GC_25	IO_L19P_GC_25	E17
G15	IO_L18P_GC_25	IO_L19N_GC_25	F17

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### 5. I/O Bank 34

U?E			
W12	IO_L0N_GC_34	IO_L9P_MRCC_34	AA7
V12	IO_L0P_GC_34	IO_L9N_MRCC_34	AA8
Y9	IO_L10N_MRCC_34	IO_L8P_SRCC_34	AB6
AA9	IO_L10P_MRCC_34	IO_L8N_SRCC_34	AA6
U9	IO_L11N_SRCC_34	IO_L7P_A05_D21_34	Y6
V10	IO_L11P_SRCC_34	IO_L7N_A04_D20_34	Y7
W8	IO_L12N_A02_D18_34	IO_L6P_A07_D23_34	V8
W9	IO_L12P_A03_D19_34	IO_L6N_A06_D22_34	U8
U10	IO_L13N_A00_D16_34	IO_L5P_A09_D25_34	V7
T9	IO_L13P_A01_D17_34	IO_L5N_A08_D24_34	W7
Y10	IO_L14N_VREF_A24_34	IO_L4P_A11_D27_34	T12
W10	IO_L14P_A25_34	IO_L4N_VREF_A10_D26_34	T11
AB8	IO_L15N_A22_34	IO_L3P_A13_D29_34	U6
AB9	IO_L15P_A23_34	IO_L3N_A12_D28_34	V6
AA12	IO_L16N_A20_34	IO_L2P_A15_D31_34	R9
Y12	IO_L16P_A21_34	IO_L2N_A14_D30_34	T8
V11	IO_L17N_A18_34	IO_L1P_GC_34	T6
U11	IO_L17P_A19_34	IO_L1N_GC_34	T7
Y11	IO_L18N_A16_34	IO_L19P_VRN_34	AB11
AA11	IO_L18P_A17_34	IO_L19N_VRP_34	AB10

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## 6. I/O Bank 35

U?F			
A11	IO_L0N_35	IO_L9P_MRCC_35	E9
A12	IO_L0P_35	IO_L9N_MRCC_35	D9
C7	IO_L10N_MRCC_35	IO_L8P_SRCC_35	G10
C8	IO_L10P_MRCC_35	IO_L8N_SRCC_35	H10
D7	IO_L11N_SRCC_35	IO_L7P_SM4P_35	C6
D8	IO_L11P_SRCC_35	IO_L7N_SM4N_35	B6
G9	IO_L12N_SM5N_35	IO_L6P_SM3P_35	A7
F9	IO_L12P_SM5P_35	IO_L6N_SM3N_35	A6
E6	IO_L13N_SM6N_35	IO_L5P_SM2P_35	A8
E7	IO_L13P_SM6P_35	IO_L5N_SM2N_35	B8
F11	IO_L14N_VREF_35	IO_L4P_35	D10
E11	IO_L14P_35	IO_L4N_VREF_35	E10
F7	IO_L15N_SM7N_35	IO_L3P_SM1P_35	A9
F8	IO_L15P_SM7P_35	IO_L3N_SM1N_35	B9
H11	IO_L16N_VRP_35	IO_L2P_SM0P_35	C11
G11	IO_L16P_VRN_35	IO_L2N_SM0N_35	B11
H8	IO_L17N_35	IO_L1P_35	B10
G8	IO_L17P_35	IO_L1N_35	C10
C12	IO_L18N_GC_35	IO_L19P_GC_35	F6
D12	IO_L18P_GC_35	IO_L19N_GC_35	G6

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## 7. GND

U7G			
A1	GND	GND	Y8
A1S	GND	GND	Y4
A2	GND	GND	Y18
A2S	GND	GND	Y5
A5	GND	GND	W21
A51	GND	GND	W21
AA1S	GND	GND	W11
AA5	GND	GND	W1
AB12	GND	GND	V3
AB2S	GND	GND	V14
AB4	GND	GND	U7
AB5	GND	GND	U5
B12	GND	GND	U2
B4	GND	GND	U17
B5	GND	GND	U1
C1	GND	GND	T3
C19	GND	GND	T20
C5	GND	GND	T10
C5S	GND	GND	R5
D16	GND	GND	R2
D3	GND	GND	R15
D5	GND	GND	R11
D6	GND	GND	R1
E1	GND	GND	P8
E13	GND	GND	P5
E5	GND	GND	P3
F10	GND	GND	P16
F20	GND	GND	P14
F3	GND	GND	P12
G1	GND	GND	P10
G17	GND	GND	W5
G5	GND	GND	W3
G7	GND	GND	W4
H14	GND	GND	W19
H3	GND	GND	W15
J1	GND	GND	W13
J11	GND	GND	W1
J13	GND	GND	W8
J15	GND	GND	W5
J21	GND	GND	W3
J5	GND	GND	W2S
J5S	GND	GND	W16
J6	GND	GND	W14
J9	GND	GND	W10
K10	GND	GND	L5
K14	GND	GND	L5
K16	GND	GND	L5
K18	GND	GND	L15
L3	GND	GND	L13
L5	GND	GND	L1
L5	GND	GND	L8

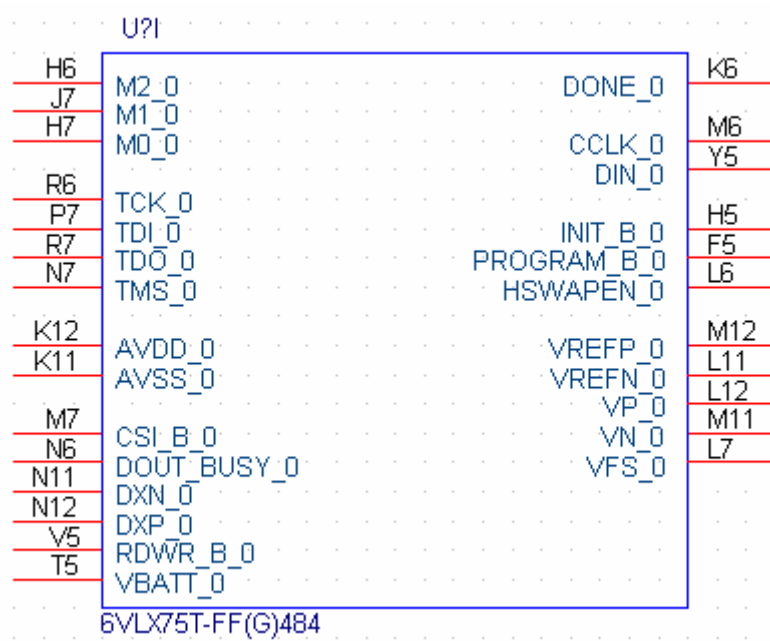
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## 8. Power

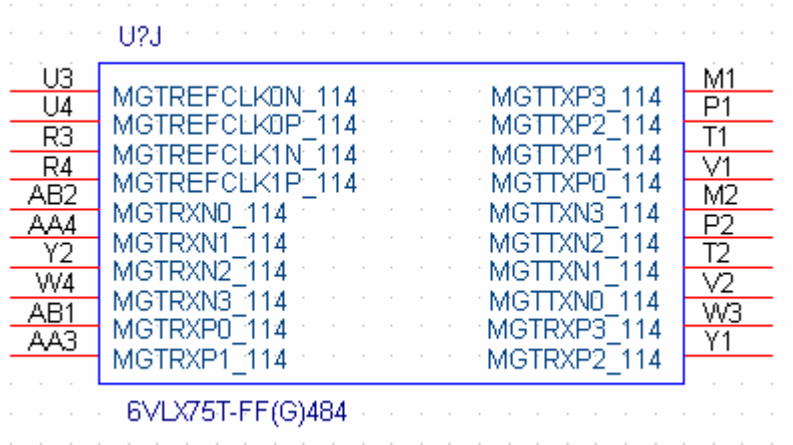
UTH			
J6			H9
J16	VCCAUX	VCC0_35	B8
L6	VCCAUX	VCC0_35	B11
L16	VCCAUX	VCC0_35	B1
W6	VCCAUX	VCC0_35	A10
M16	VCCAUX	VCC0_35	
F15	VCCAUX		W6
R8	VCCAUX	VCC0_34	V9
	VCCAUX	VCC0_34	U12
D4	MGTAVCC	VCC0_34	A87
F4	MGTAVCC	VCC0_34	AA10
H4	MGTAVCC		
H4	MGTAVCC		G12
M4	MGTAVCC	VCC0_25	F15
F4	MGTAVCC	VCC0_25	E18
T4	MGTAVCC	VCC0_25	C14
V4	MGTAVCC	VCC0_25	B17
	MGTAVCC	VCC0_25	
AA2	MGTAVTT	VCC0_24	Y13
AB3	MGTAVTT	VCC0_24	W16
B3	MGTAVTT	VCC0_24	V19
C2	MGTAVTT	VCC0_24	T15
BC	MGTAVTT	VCC0_24	A87
GC	MGTAVTT		
W2	MGTAVTT		L30
W2	MGTAVTT	VCC0_15	H19
W2	MGTAVTT	VCC0_15	G22
Y3	MGTAVTT	VCC0_15	D21
Y3	MGTAVTT	VCC0_15	A20
	MGTAVTT	VCC0_15	
J10	VCCINT		U22
J12	VCCINT		R18
J14	VCCINT	VCC0_14	
R9	VCCINT	VCC0_14	F21
F13	VCCINT	VCC0_14	M17
F15	VCCINT	VCC0_14	AA20
L10	VCCINT		
L14	VCCINT		H7
W5	VCCINT	VCC0_0	F6
	VCCINT	VCC0_0	
M13	VCCINT		
M15	VCCINT		
M10	VCCINT		
M14	VCCINT		
P9	VCCINT		
F11	VCCINT		
F13	VCCINT		
R10	VCCINT		
R12	VCCINT		

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### 9. Programming interface



### 10. MGT 114



### 11. MGT 115

U?K		
A4	MGTAVTTRCAL_115	MGTTXP3_115
L3	MGTREFCLK0N_115	MGTTXP2_115
L4	MGTREFCLK0P_115	MGTTXP1_115
J3	MGTREFCLK1N_115	MGTTXP0_115
J4	MGTREFCLK1P_115	MGTTXN3_115
A3	MGTRREF_115	MGTTXN2_115
G4	MGTRXN0_115	MGTTXN1_115
E4	MGTRXN1_115	MGTTXN0_115
C4	MGTRXN2_115	MGTRXP3_115
B2	MGTRXN3_115	MGTRXP2_115
G3	MGTRXP0_115	MGTRXP1_115

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## 12. Revision History

	Revision	Date	By	Comments
1	1	June 29, 2009	AC	Initial Release