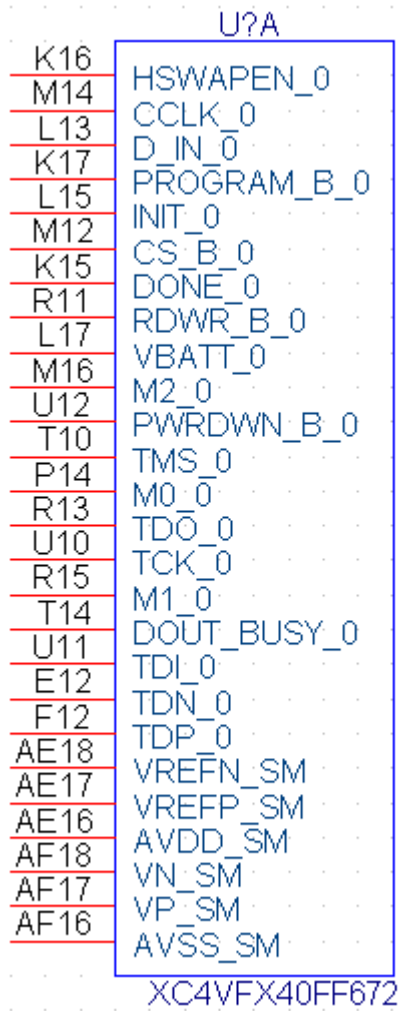


Schematic Symbol for XC4VFX40FF672

The Schematic symbol consists of 18 heterogeneous parts that are listed below:

1. Programming Interface



2. I/O Banks 1 and 2

U?B	
J15	IO_L1P_D31_LC_1
J14	IO_L1N_D30_LC_1
K13	IO_L2P_D29_LC_1
J13	IO_L2N_D28_LC_1
H14	IO_L3P_D27_LC_1
G14	IO_L3N_D26_LC_1
H13	IO_L4P_D25_LC_1
H12	IO_L4N_D24_VREF_LC_1
J16	IO_L5P_D23_LC_1
H16	IO_L5N_D22_LC_1
K12	IO_L6P_D21_LC_1
K11	IO_L6N_D20_LC_1
G16	IO_L7P_D19_LC_1
G15	IO_L7N_D18_LC_1
H11	IO_L8P_D17_CC_LC_1
J11	IO_L8N_D16_CC_LC_1
V16	IO_L1P_D15_CC_LC_2
W16	IO_L1N_D14_CC_LC_2
Y12	IO_L2P_D13_LC_2
Y11	IO_L2N_D12_LC_2
U16	IO_L3P_D11_LC_2
U15	IO_L3N_D10_LC_2
W11	IO_L4P_D9_LC_2
V11	IO_L4N_D8_VREF_LC_2
W15	IO_L5P_D7_LC_2
W14	IO_L5N_D6_LC_2
Y13	IO_L6P_D5_LC_2
W13	IO_L6N_D4_LC_2
U14	IO_L7P_D3_LC_2
V14	IO_L7N_D2_LC_2
V13	IO_L8P_D1_LC_2
V12	IO_L8N_D0_LC_2

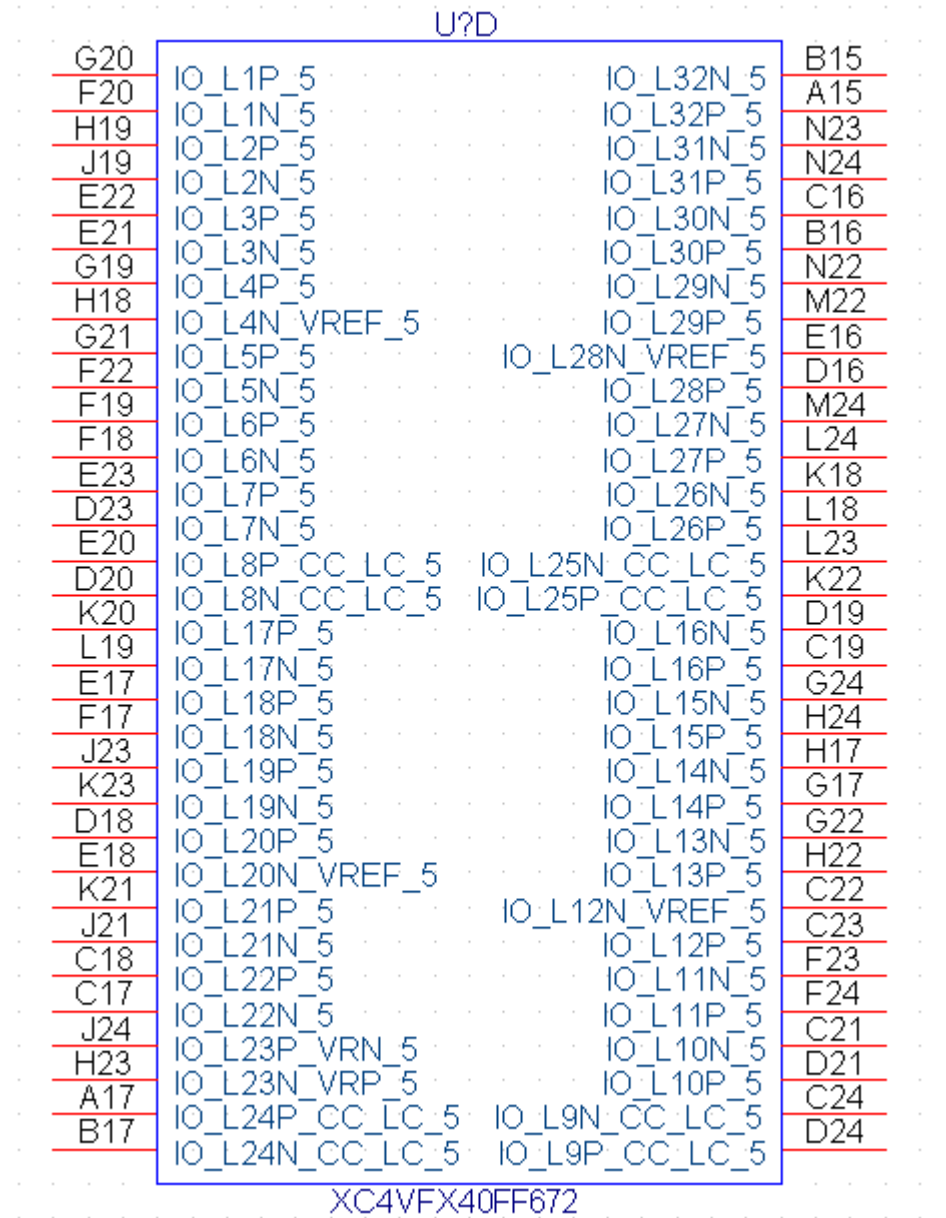
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3. I/O Banks 3 and 4

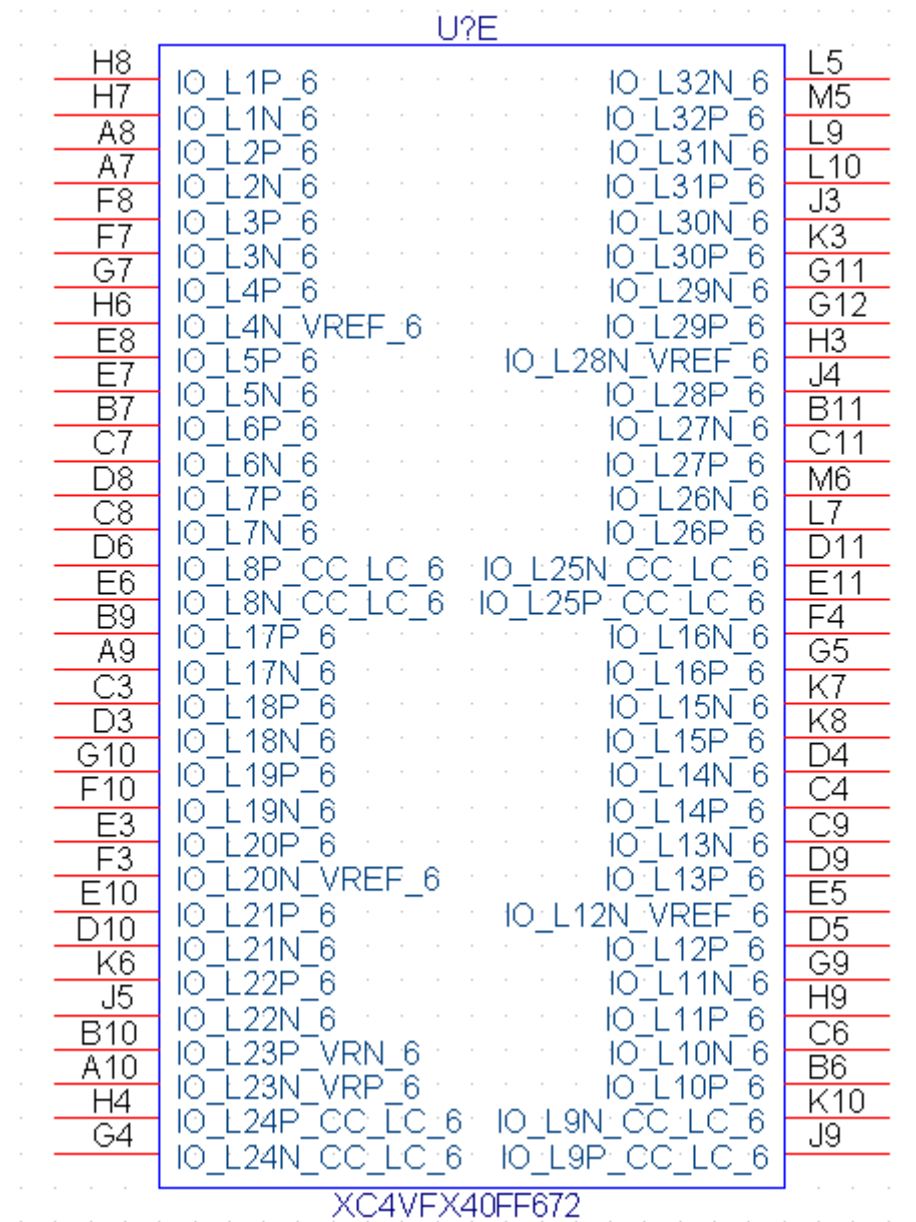
U?C	
F15	IO_L1P_GC_CC_LC_3
E15	IO_L1N_GC_CC_LC_3
F14	IO_L2P_GC_VRN_LC_3
F13	IO_L2N_GC_VRP_LC_3
D15	IO_L3P_GC_LC_3
D14	IO_L3N_GC_LC_3
D13	IO_L4P_GC_LC_3
E13	IO_L4N_GC_VREF_LC_3
C14	IO_L5P_GC_LC_3
B14	IO_L5N_GC_LC_3
C13	IO_L6P_GC_LC_3
C12	IO_L6N_GC_LC_3
A14	IO_L7P_GC_LC_3
A13	IO_L7N_GC_LC_3
A12	IO_L8P_GC_LC_3
B12	IO_L8N_GC_LC_3
AE15	IO_L1P_GC_LC_4
AF15	IO_L1N_GC_LC_4
AF14	IO_L2P_GC_LC_4
AF13	IO_L2N_GC_LC_4
AD15	IO_L3P_GC_LC_4
AD14	IO_L3N_GC_LC_4
AE13	IO_L4P_GC_LC_4
AD13	IO_L4N_GC_VREF_LC_4
AB14	IO_L5P_GC_LC_4
AC14	IO_L5N_GC_LC_4
AC13	IO_L6P_GC_LC_4
AC12	IO_L6N_GC_LC_4
AA14	IO_L7P_GC_VRN_LC_4
AA13	IO_L7N_GC_VRP_LC_4
AB12	IO_L8P_GC_CC_LC_4
AA12	IO_L8N_GC_CC_LC_4

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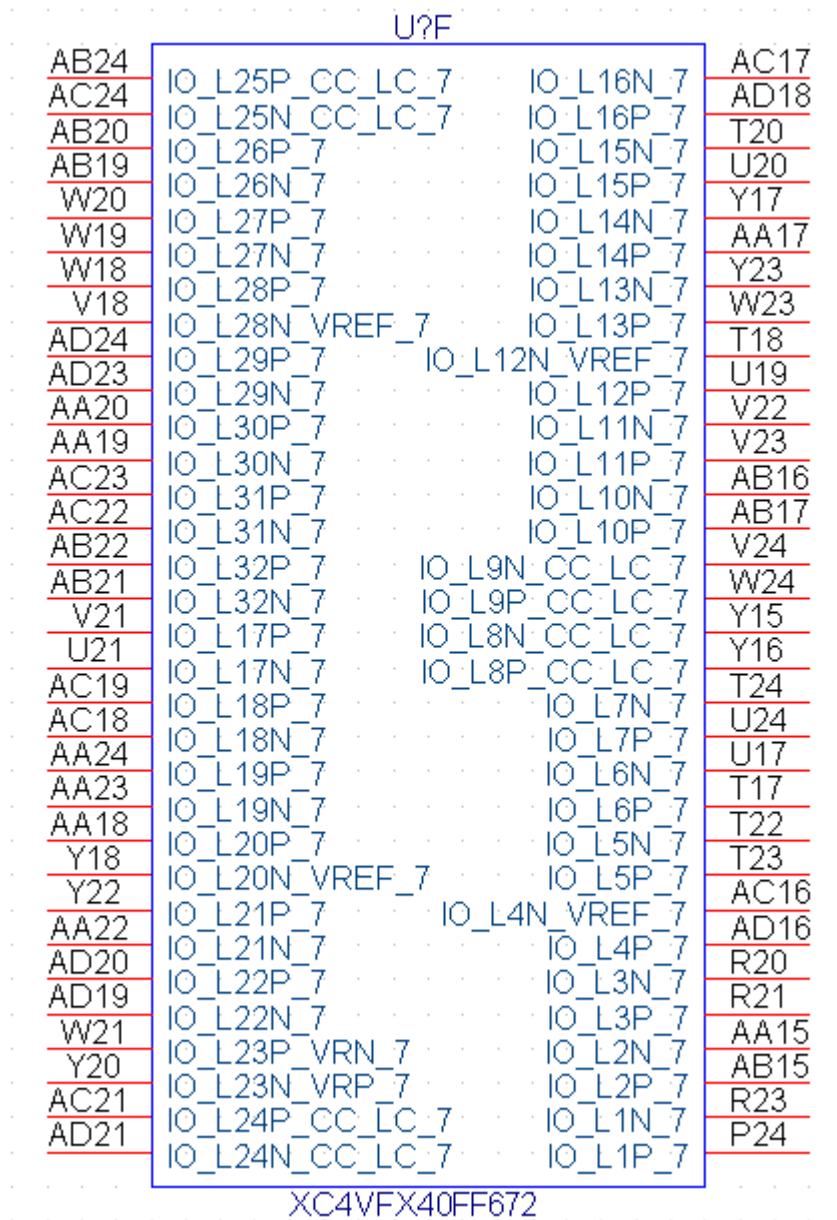
4. I/O Bank 5



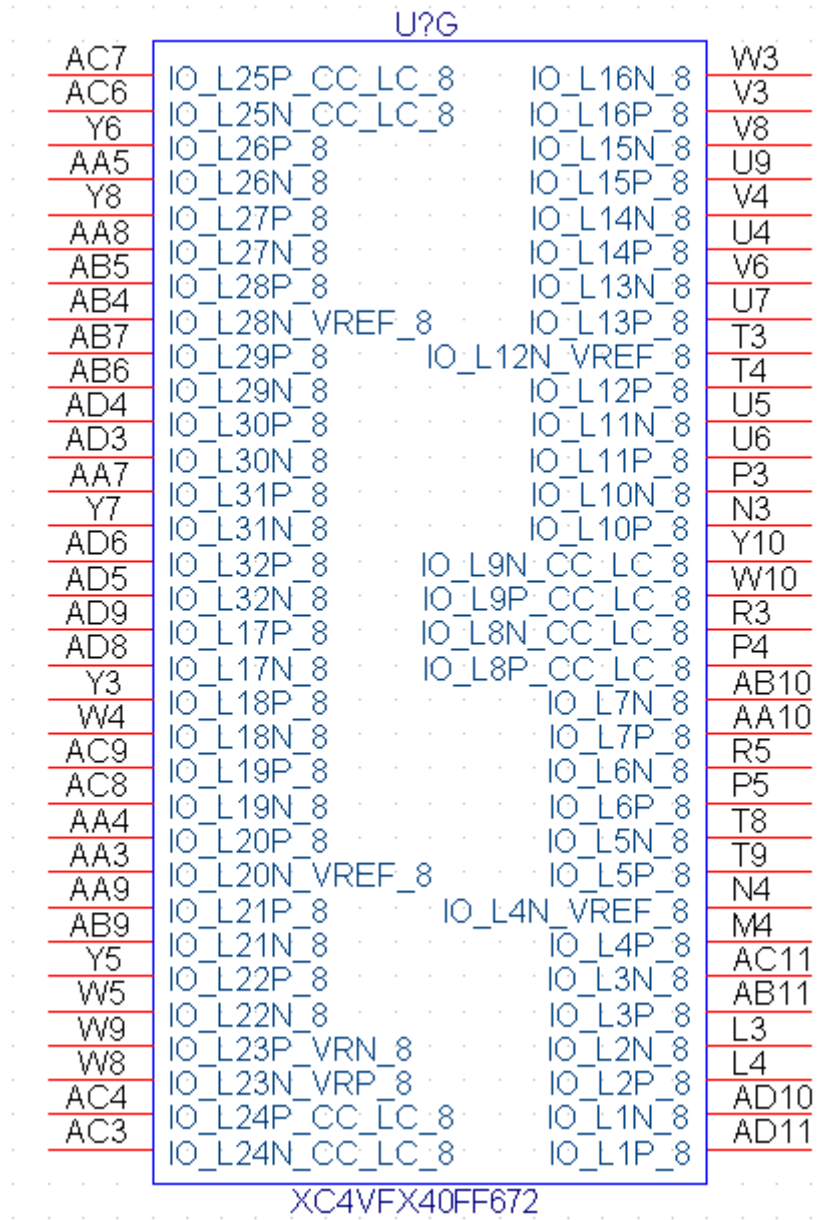
5. I/O Bank 6



6. I/O Bank 7



7. I/O Bank 8



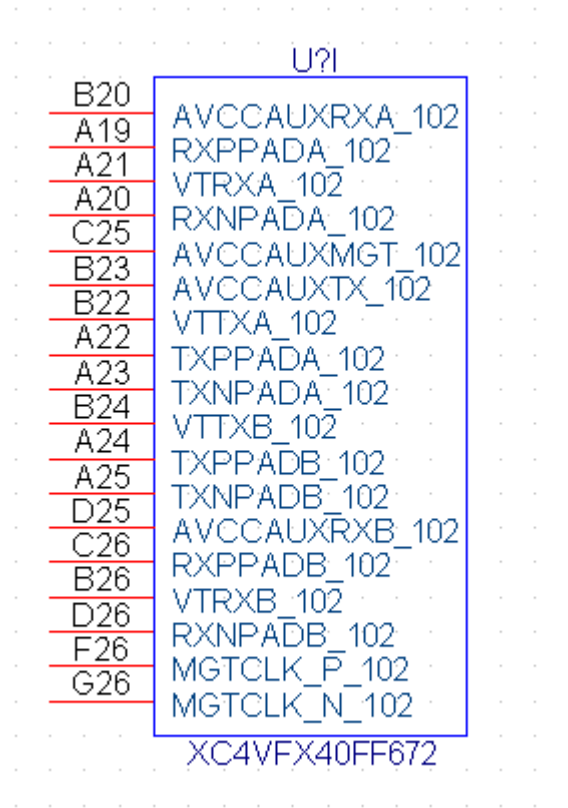
8. I/O Banks 9 and 10

U?H

M20	IO_L17P_9
M19	IO_L17N_9
P16	IO_L18P_9
N16	IO_L18N_9
N21	IO_L19P_9
M21	IO_L19N_9
N18	IO_L20P_9
N17	IO_L20N_VREF_9
P19	IO_L21P_9
N19	IO_L21N_9
R17	IO_L22P_9
R16	IO_L22N_9
P21	IO_L23P_VRN_9
P20	IO_L23N_VRP_9
R18	IO_L24P_CC_LC_9
P18	IO_L24N_CC_LC_9
M10	IO_L17P_10
M9	IO_L17N_10
N8	IO_L18P_10
N7	IO_L18N_10
M11	IO_L19P_10
N11	IO_L19N_10
P8	IO_L20P_10
R8	IO_L20N_VREF_10
P11	IO_L21P_10
P10	IO_L21N_10
P6	IO_L22P_10
N6	IO_L22N_10
N9	IO_L23P_VRN_10
P9	IO_L23N_VRP_10
R7	IO_L24P_CC_LC_10
R6	IO_L24N_CC_LC_10

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9. MGT 102

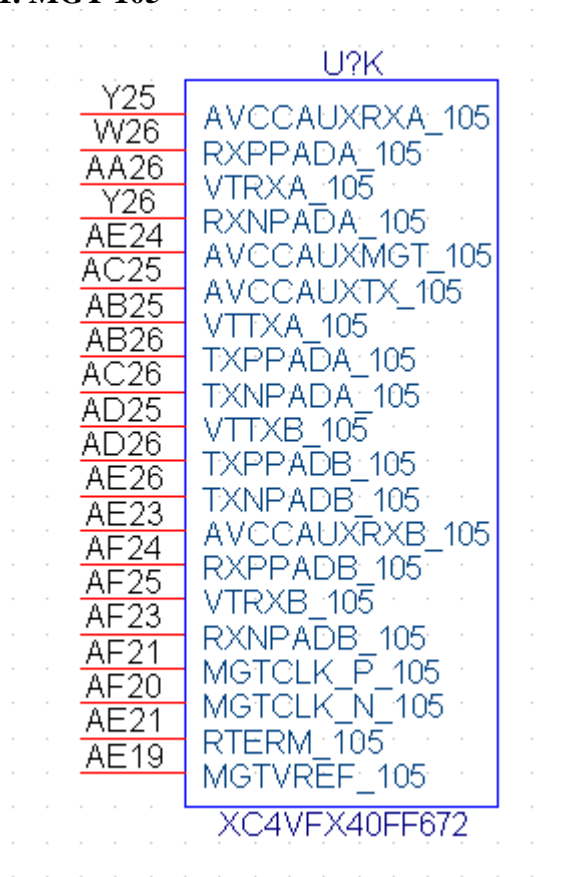


10. MGT 103

U?J	
K25	AVCCAUXRXA_103
J26	RXPPADA_103
L26	VTRXA_103
K26	RXNPADA_103
U25	AVCCAUXMGT_103
P25	AVCCAUXTX_103
M25	VTTXA_103
M26	TXPPADA_103
N26	TXNPADA_103
R25	VTTXB_103
P26	TXPPADB_103
R26	TXNPADB_103
V25	AVCCAUXRXB_103
U26	RXPPADB_103
T26	VTRXB_103
V26	RXNPADB_103

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11. MGT 105

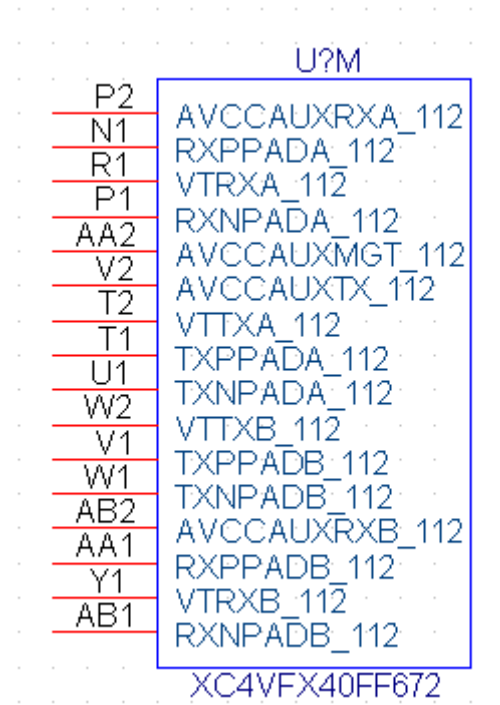


12. MGT 110

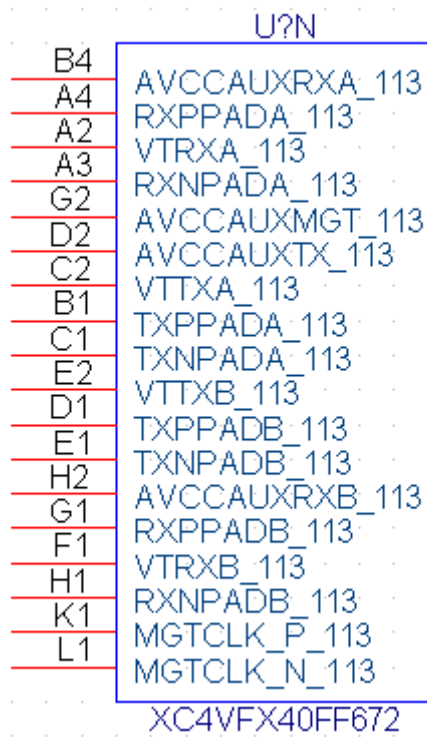
U?L	
AD2	AVCCAUXRXA_110
AC1	RXPPADA_110
AE1	VTRXA_110
AD1	RXNPADA_110
AE7	AVCCAUXMGT_110
AE4	AVCCAUXTX_110
AE2	VTTXA_110
AF2	TXPPADA_110
AF3	TXNPADA_110
AE5	VTTXB_110
AF4	TXPPADB_110
AF5	TXNPADB_110
AE8	AVCCAUXRXB_110
AF7	RXPPADB_110
AF6	VTRXB_110
AF8	RXNPADB_110
AF10	MGTCLK_P_110
AF11	MGTCLK_N_110
AE10	RTERM_110
AE12	MGTVREF_110

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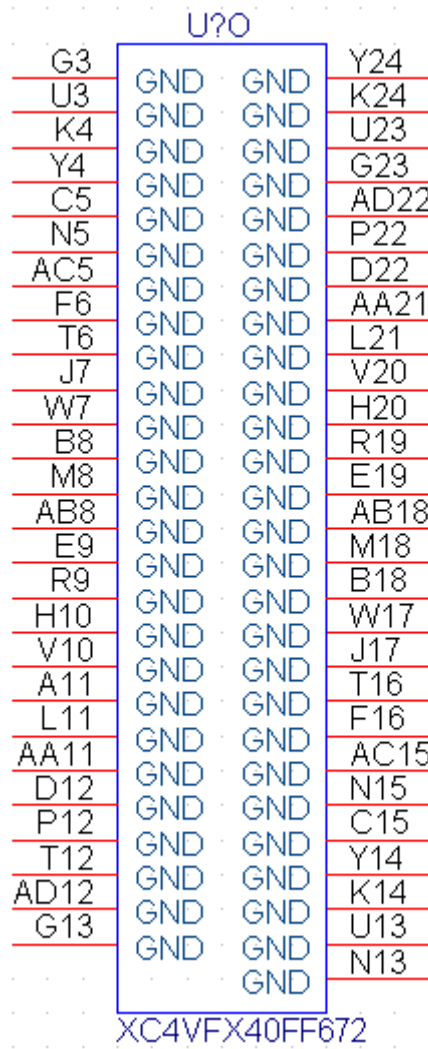
13. MGT 112



14. MGT 113



15. Ground 1



16. Power 1

U?P			
T11	VCCO_0	VCCO_10	N10
M13	VCCO_0	VCCO_10	P7
R14	VCCO_0	VCCO_10	N20
L16	VCCO_0	VCCO_9	P17
J12	VCCO_0	VCCO_9	AC10
H15	VCCO_1	VCCO_8	Y9
V15	VCCO_1	VCCO_8	U8
W12	VCCO_2	VCCO_8	AD7
B13	VCCO_2	VCCO_8	AA6
E14	VCCO_3	VCCO_8	V5
AB13	VCCO_3	VCCO_8	R4
AE14	VCCO_4	VCCO_8	AB3
A16	VCCO_4	VCCO_8	M3
D17	VCCO_5	VCCO_8	R24
G18	VCCO_5	VCCO_7	AB23
K19	VCCO_5	VCCO_7	W22
C20	VCCO_5	VCCO_7	T21
F21	VCCO_5	VCCO_7	AC20
J22	VCCO_5	VCCO_7	Y19
M23	VCCO_5	VCCO_7	U18
E24	VCCO_5	VCCO_7	AD17
E4	VCCO_5	VCCO_7	AA16
H5	VCCO_6	VCCO_7	F11
A6	VCCO_6	VCCO_6	C10
L6	VCCO_6	VCCO_6	K9
D7	VCCO_6	VCCO_6	G8
	VCCO_6	VCCO_6	

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17. Power 2

U?Q			
F5	VCCAUX	VCCINT	U22
T5	VCCAUX	VCCINT	R22
J6	VCCAUX	VCCINT	Y21
W6	VCCAUX	VCCINT	L20
M7	VCCAUX	VCCINT	J20
N12	VCCAUX	VCCINT	V19
P15	VCCAUX	VCCINT	T19
H21	VCCAUX	VCCINT	J18
L22	VCCAUX	VCCINT	V17
P23	VCCAUX	VCCINT	M17
F25	VCCAUX	VCCINT	T15
G25	VCCAUX	VCCINT	M15
K5	VCCAUX	VCCINT	N14
G6	VCCINT	VCCINT	L14
T7	VCCINT	VCCINT	T13
V7	VCCINT	VCCINT	P13
J8	VCCINT	VCCINT	R12
L8	VCCINT	VCCINT	L12
F9	VCCINT	VCCINT	R10
V9	VCCINT	VCCINT	J10
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18. MGT Ground

U?R	
A18	GNDA_102 GNDA_113
B19	GNDA_102 GNDA_113
B21	GNDA_102 GNDA_113
B25	GNDA_102 GNDA_113
E25	GNDA_102 GNDA_113
H25	GNDA_102 GNDA_113
E26	GNDA_102 GNDA_113
H26	GNDA_102 GNDA_113
J25	GNDA_102 GNDA_113
L25	GNDA_103 GNDA_113
N25	GNDA_103 GNDA_113
T25	GNDA_103 GNDA_113
AF19	GNDA_103 GNDA_112
AE20	GNDA_105 GNDA_112
AE22	GNDA_105 GNDA_112
AF22	GNDA_105 GNDA_112
W25	GNDA_105 GNDA_110
AA25	GNDA_105 GNDA_110
AE25	GNDA_105 GNDA_110
AC2	GNDA_110 GNDA_110
AE3	GNDA_110

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19. Revision History

	Revision	Date	By	Comments
1	1.01	Jan 29, 2007	MD	Initial Release