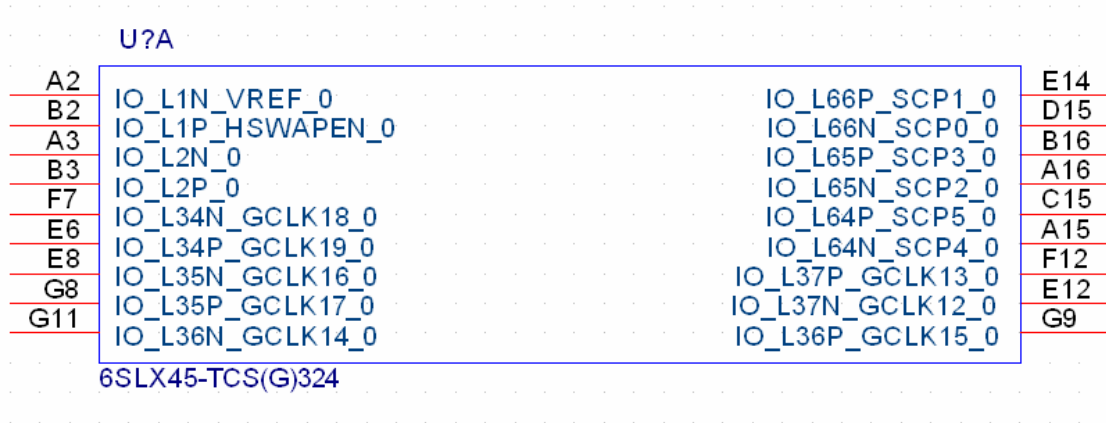


Schematic Symbol for 6SLX45-TCS(G)324

The Schematic symbol consists of 8 heterogeneous parts that are listed below:

1. I/O Bank 0



2. I/O Bank 1

U?B			
F16	IO_L1N_A24_VREF_1	IO_L74P_AWAKE_1	P15
F15	IO_L1P_A25_1	IO_L74N_DOUT_BUSY_1	P16
C18	IO_L29N_A22_M1A14_1	IO_L61P_1	L14
C17	IO_L29P_A23_M1A13_1	IO_L61N_1	M13
G14	IO_L30N_A20_M1A11_1	IO_L53P_1	M14
F14	IO_L30P_A21_M1RESET_1	IO_L53N_VREF_1	N14
D18	IO_L31N_A18_M1A12_1	IO_L52P_M1DQ14_1	U17
D17	IO_L31P_A19_M1CKE_1	IO_L52N_M1DQ15_1	U18
G13	IO_L32N_A16_M1A9_1	IO_L51P_M1DQ12_1	T17
H12	IO_L32P_A17_M1A8_1	IO_L51N_M1DQ13_1	T18
E18	IO_L33N_A14_M1A4_1	IO_L50P_M1UDQS_1	N15
E16	IO_L33P_A15_M1A10_1	IO_L50N_M1UDQSN_1	N16
K13	IO_L34N_A12_M1BA2_1	IO_L49P_M1DQ10_1	P17
K12	IO_L34P_A13_M1WE_1	IO_L49N_M1DQ11_1	P18
F18	IO_L35N_A10_M1A2_1	IO_L48P_HDC_M1DQ8_1	N17
F17	IO_L35P_A11_M1A7_1	IO_L48N_M1DQ9_1	N18
H14	IO_L36N_A8_M1BA1_1	IO_L47P_FWE_B_M1DQ0_1	M16
H13	IO_L36P_A9_M1BA0_1	IO_L47N_LDC_M1DQ1_1	M18
H16	IO_L37N_A6_M1A1_1	IO_L46P_FCS_B_M1DQ2_1	L17
H15	IO_L37P_A7_M1A0_1	IO_L46N_FOE_B_M1DQ3_1	L18
G18	IO_L38N_A4_M1CLKN_1	IO_L45P_A1_M1LDQS_1	K17
G16	IO_L38P_A5_M1CLK_1	IO_L45N_A0_M1LDQSN_1	K18
K14	IO_L39N_M1ODT_1	IO_L44P_A3_M1DQ6_1	J16
J13	IO_L39P_M1A3_1	IO_L44N_A2_M1DQ7_1	J18
L13	IO_L40N_GCLK10_M1A6_1	IO_L43P_GCLK5_M1DQ4_1	H17
L12	IO_L40P_GCLK11_M1A5_1	IO_L43N_GCLK4_M1DQ5_1	H18
		IO_L42P_GCLK7_M1UDM_1	L15
		IO_L42N_GCLK6_TRDY1_M1LDM_1	L16
		IO_L41P_GCLK9_IRDY1_M1RASN_1	K15
		IO_L41N_GCLK8_M1CASN_1	K16

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3. I/O Bank 2

U?C		
P13	CMPCS_B_2	PROGRAM_B_2
V17	DONE_2	IO_L65P_INIT_B_2
V14	IO_L12N_D2_MISO3_2	IO_L65N_CSO_B_2
T14	IO_L12P_D1_MISO2_2	IO_L64P_D8_2
P12	IO_L13N_D10_2	IO_L64N_D9_2
N12	IO_L13P_M1_2	IO_L63P_2
V13	IO_L14N_D12_2	IO_L63N_2
U13	IO_L14P_D11_2	IO_L62P_D5_2
N11	IO_L15N_2	IO_L62N_D6_2
M11	IO_L15P_2	IO_L5P_2
T11	IO_L16N_VREF_2	IO_L5N_2
R11	IO_L16P_2	IO_L49P_D3_2
V12	IO_L19N_2	IO_L49N_D4_2
T12	IO_L19P_2	IO_L48P_D7_2
T15	IO_L1N_M0_CMPMISO_2	IO_L48N_RDWR_B_VREF_2
R15	IO_L1P_CCLK_2	IO_L47P_2
P11	IO_L20N_2	IO_L47N_2
N10	IO_L20P_2	IO_L46P_2
N9	IO_L22N_2	IO_L46N_2
M10	IO_L22P_2	IO_L45P_2
V11	IO_L23N_2	IO_L45N_2
U11	IO_L23P_2	IO_L44P_2
T10	IO_L29N_GCLK2_2	IO_L44N_2
R10	IO_L29P_GCLK3_2	IO_L43P_2
V16	IO_L2N_CMPMOSI_2	IO_L43N_2
U16	IO_L2P_CMPCLK_2	IO_L41P_2
V10	IO_L30N_GCLK0_USERCCLK_2	IO_L41N_VREF_2
U10	IO_L30P_GCLK1_D13_2	IO_L40P_2
T8	IO_L31N_GCLK30_D15_2	IO_L40N_2
R8	IO_L31P_GCLK31_D14_2	IO_L3P_D0_DIN_MISO_MISO1_2
V9	IO_L32N_GCLK28_2	IO_L3N_MOSI_CSI_B_MISO0_2
T9	IO_L32P_GCLK29_2	

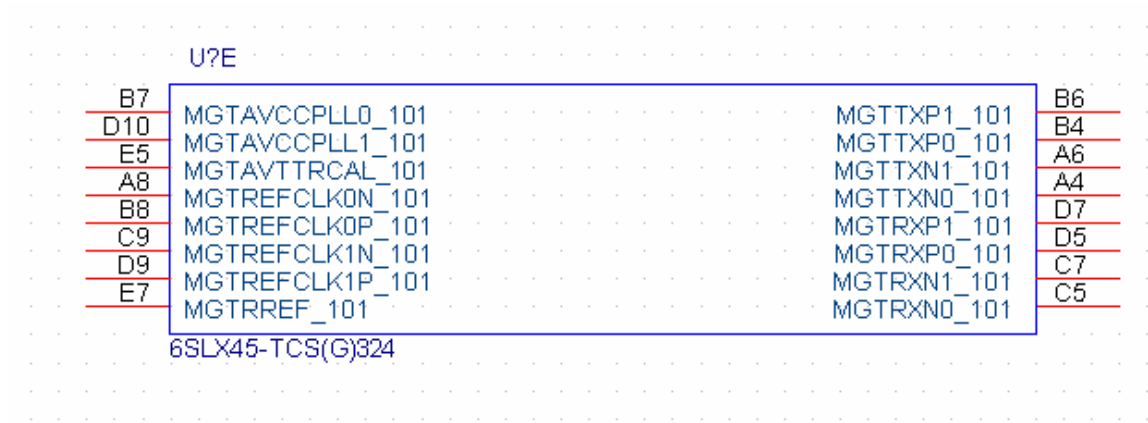
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4. I/O Bank 3

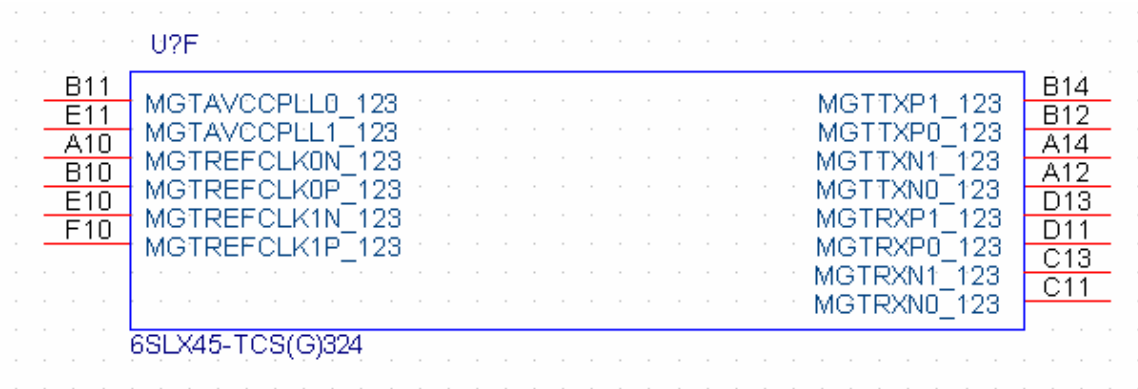
U?D		
N3	IO_L1N_VREF_3	IO_L83P_3
N4	IO_L1P_3	IO_L83N_VREF_3
P3	IO_L2N_3	IO_L55P_M3A13_3
P4	IO_L2P_3	IO_L55N_M3A14_3
M5	IO_L31N_VREF_3	IO_L54P_M3RESET_3
L6	IO_L31P_3	IO_L54N_M3A11_3
U1	IO_L32N_M3DQ15_3	IO_L53P_M3CKE_3
U2	IO_L32P_M3DQ14_3	IO_L53N_M3A12_3
T1	IO_L33N_M3DQ13_3	IO_L52P_M3A8_3
T2	IO_L33P_M3DQ12_3	IO_L52N_M3A9_3
P1	IO_L34N_M3UDQSN_3	IO_L51P_M3A10_3
P2	IO_L34P_M3UDQS_3	IO_L51N_M3A4_3
N1	IO_L35N_M3DQ11_3	IO_L50P_M3WE_3
N2	IO_L35P_M3DQ10_3	IO_L50N_M3BA2_3
M1	IO_L36N_M3DQ9_3	IO_L49P_M3A7_3
M3	IO_L36P_M3DQ8_3	IO_L49N_M3A2_3
L1	IO_L37N_M3DQ1_3	IO_L48P_M3BA0_3
L2	IO_L37P_M3DQ0_3	IO_L48N_M3BA1_3
K1	IO_L38N_M3DQ3_3	IO_L47P_M3A0_3
K2	IO_L38P_M3DQ2_3	IO_L47N_M3A1_3
L3	IO_L39N_M3LDQSN_3	IO_L46P_M3CLK_3
L4	IO_L39P_M3LDQS_3	IO_L46N_M3CLKN_3
J1	IO_L40N_M3DQ7_3	IO_L45P_M3A3_3
J3	IO_L40P_M3DQ6_3	IO_L45N_M3ODT_3
H1	IO_L41N_GCLK26_M3DQ5_3	IO_L44P_GCLK21_M3A5_3
H2	IO_L41P_GCLK27_M3DQ4_3	IO_L44N_GCLK20_M3A6_3
		IO_L43P_GCLK23_M3RASN_3
		IO_L43N_GCLK22_IRDY2_M3CASN_3
		IO_L42P_GCLK25_TRDY2_M3UDM_3
		IO_L42N_GCLK24_M3LDM_3

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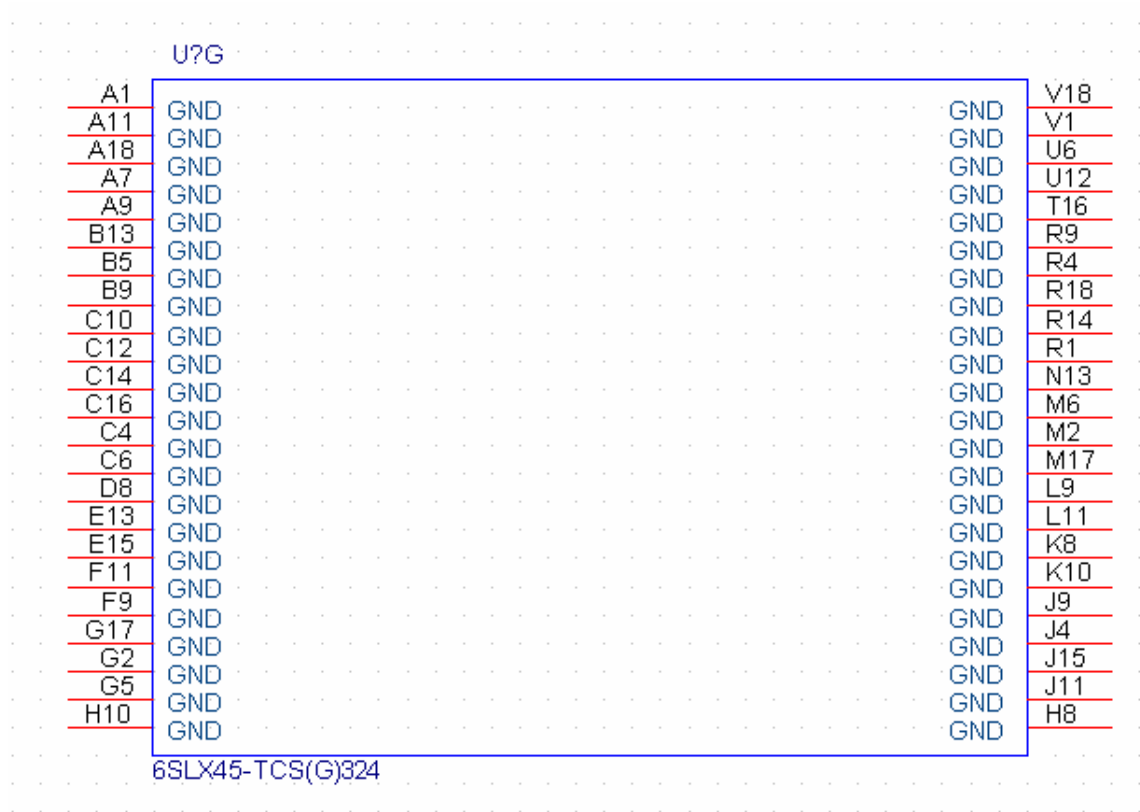
5. MGT 101



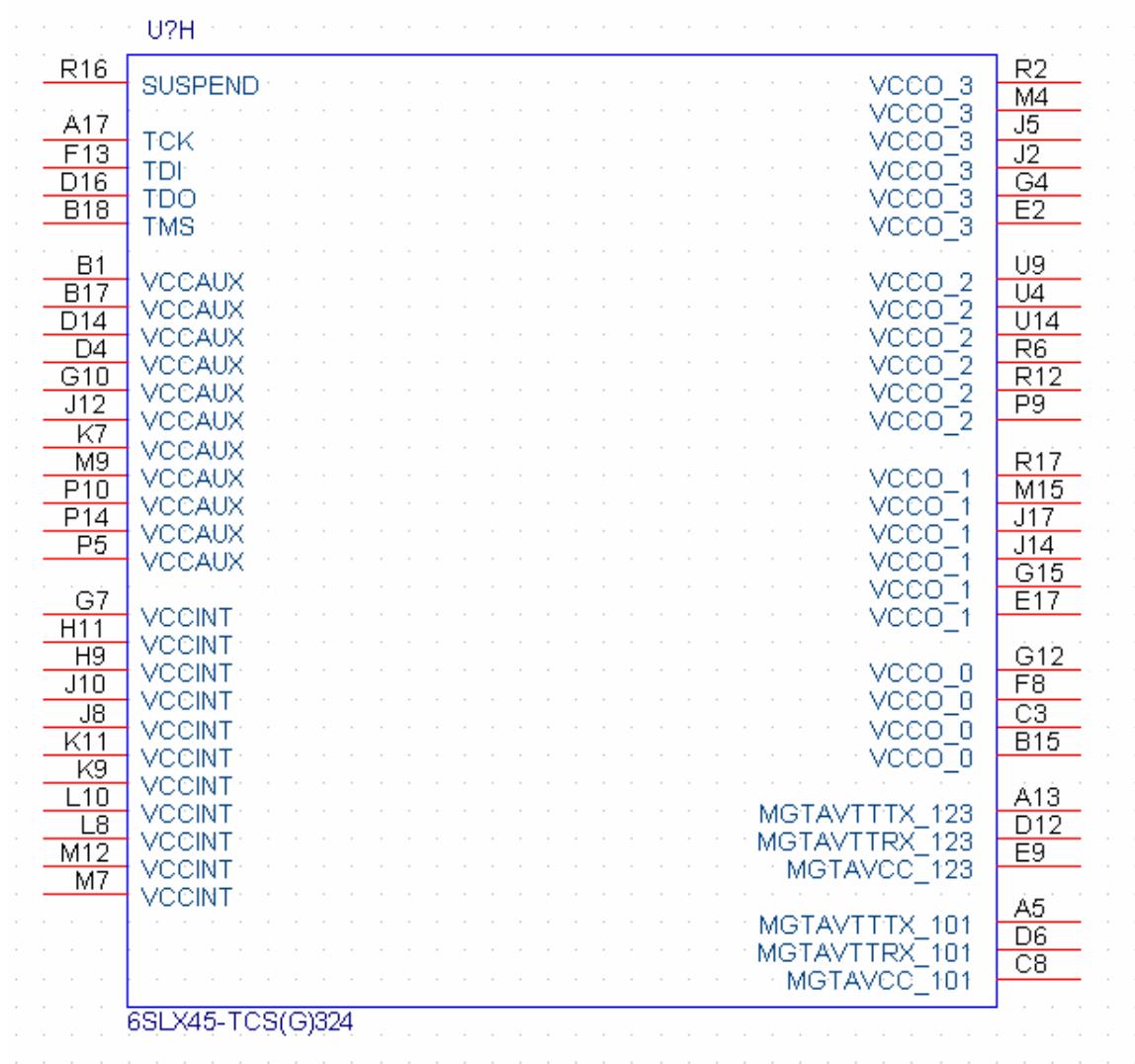
6. MGT 123



7. GND



8. Power and Programming Interface



9. Revision History

	Revision	Date	By	Comments
1	1	July 20, 2009	AC	Initial Release