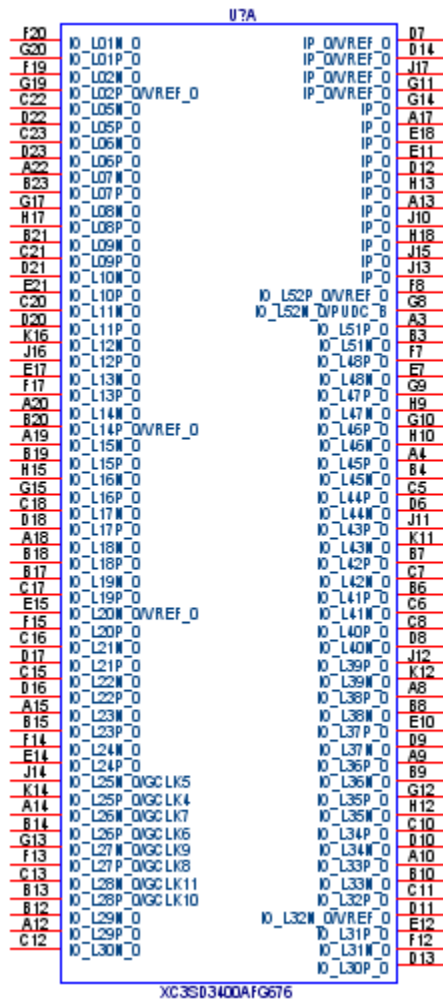


Schematic Symbol for XC3SD3400AFG676

The Schematic symbol consists of 6 heterogeneous parts that are listed below:

1. IO bank 0



2. IO bank 1

U78			
Y21	ID_L01N_VLD02	SUSPEND	V20
Y20	ID_L01P_VR0C	IP_L40P_1	K24
AD25	ID_L02N_VLD00	IP_L40N_1	L23
AD26	ID_L02P_VLD01	IP_L35P_IVREF_1	M24
AC24	ID_L03M_VIA1	TP_L36M_1	M23
AC23	ID_L03P_VIA0	IP_L32P_1	M26
WD1	ID_L04N_1	IP_L32N_1	M25
WD0	ID_L04P_1	IP_L28P_IVREF_1	R23
AC25	ID_L05N_1	TP_L28N_1	R24
AD26	ID_L05P_1	IP_IVREF_1	G25
AB26	ID_L06N_1	IP_IVREF_1	H26
AC26	ID_L06P_1	IP_IVREF_1	U26
AB24	ID_L07N_IVREF_1	IP_IVREF_1	V26
AB23	ID_L07P_1	IP_IVREF_1	B26
V19	ID_L08M_1	IP_1	Y26
V18	ID_L08P_1	IP_1	H24
AA23	ID_L09N_1	ID_L64P_VIA24	H20
AA22	ID_L09P_1	ID_L64N_VIA25	G21
U20	ID_L10N_1	ID_L63P_VIA22	C26
V21	ID_L10P_1	ID_L63N_VIA23	C25
AA25	ID_L11N_1	ID_L62P_VIA20	J21
AA24	ID_L11P_1	ID_L62N_VIA21	H21
U18	ID_L12M_1	ID_L61P_1	D25
U19	ID_L12P_1	ID_L61N_1	D24
Y23	ID_L13M_1	ID_L60P_1	E26
Y22	ID_L13P_1	ID_L60N_1	D26
T20	ID_L14M_1	ID_L59P_1	J19
U21	ID_L14P_1	ID_L59N_1	J20
Y25	ID_L15M_1	ID_L58P_IVREF_1	F22
Y24	ID_L15P_1	ID_L58N_1	G22
T17	ID_L17M_1	ID_L57P_1	K19
T18	ID_L17P_1	ID_L57N_1	K18
V22	ID_L18M_1	ID_L56P_1	E24
WD3	ID_L18P_1	ID_L56N_1	F23
V25	ID_L19M_1	ID_L55P_1	L18
V24	ID_L19P_1	ID_L55N_1	L17
U22	ID_L21M_1	ID_L54P_1	F25
V23	ID_L21P_1	ID_L54N_1	F24
R20	ID_L22M_1	ID_L53P_1	L20
R19	ID_L22P_1	ID_L53N_1	K20
U24	ID_L23M_IVREF_1	ID_L51P_1	G23
U23	ID_L23P_1	ID_L51N_1	G24
R22	ID_L25M_VIA3	ID_L50P_1	L22
R21	ID_L25P_VIA2	ID_L50N_1	K21
T24	ID_L26M_VIA5	ID_L49P_1	J23
T23	ID_L26P_VIA4	ID_L49N_1	J22
R17	ID_L27M_VIA7	ID_L47P_1	M19
R18	ID_L27P_VIA6	ID_L47N_1	M18
R26	ID_L29M_VIA9	ID_L46P_1	K23
R25	ID_L29P_VIA8	ID_L46N_1	K22
P20	ID_L30M_VRHC LK1	ID_L45P_1	M21
P21	ID_L30P_VRHC LK0	ID_L45N_1	M22
P26	ID_L31M_VTRDY_VRHC LK3	ID_L43P_VIA18	J25
P25	ID_L31P_VRHC LK2	ID_L43N_VIA19	J26
M24	ID_L33M_VRHC LK5	ID_L42P_VIA16	M20
P23	ID_L33P_VRHC LK4	ID_L42N_VIA17	M20
M19	ID_L34M_VRHC LK7	ID_C01P_1	K25
P18	ID_L34P_VRDY_VRHC LK6	ID_L41N_1	K26
M25	ID_L35M_VIA11	ID_L39P_VIA14	M18
M26	ID_L35P_VIA10	ID_L39N_VIA15	M17
M21	ID_L37M_1	ID_L38P_VIA12	L24
P22	ID_L37P_1	ID_L38N_VIA13	M23

XC3SD3400AFG676

3. IO bank 2

U7C			
AD4	IO_L01N_2M0	IP_2N/REF_2	AD12
AC4	IO_L01P_2M1	IP_2N/REF_2	AC10
Y7	IO_L02P_2M2	IP_2N/REF_2	Y16
AC22	IO_2	IP_2N/REF_2	AA20
AA7	IO_L02N_2ICS0_B	IP_2N/REF_2	AF17
Y9	IO_L05N_2	IP_2N/REF_2	AA9
WB	IO_L05P_2	IP_2N/REF_2	AF15
AF3	IO_L05P_2	IP_2N/REF_2	AF22
AE3	IO_L06N_2	IP_2N/REF_2	AB13
AF4	IO_L06P_2	IP	AD10
AE4	IO_L07N_2	IP	AC13
AD6	IO_L07P_2	IP	AD9
AC6	IO_L08N_2	IP	AC17
WB0	IO_L08P_2	IP	AD16
V10	IO_L09N_2	IP	AF24
AE5	IO_L09P_2	IO_L52P_2/00/01/IN/MS0	AE24
AF5	IO_L10N_2	IO_L52N_2/CLK	
AE7	IO_L10P_2		AF25
AD7	IO_L11N_2	IO_L51P_2	AE25
AA10	IO_L11P_2	IO_L51N_2	
Y10	IO_L12N_2	IO_L48P_2	AF23
U11	IO_L12P_2	IO_L48N_2	AE23
V11	IO_L13N_2	IO_L47P_2	AB18
AB7	IO_L13P_2	IO_L47N_2	AA18
AC8	IO_L14N_2	IO_L46P_2	WB7
AC9	IO_L14P_2	IO_L46N_2	V17
AB9	IO_L15N_2	IO_L45P_2	AD22
WB2	IO_L15P_2	IO_L45N_2	AC21
V12	IO_L16N_2	IO_L44P_2	AE21
AA12	IO_L16P_2	IO_L44N_2	AD21
Y12	IO_L17N_2/VSS2	IO_L43P_2	AA17
AF8	IO_L17P_2/RDWR_B	IO_L43N_2	Y17
AE8	IO_L18N_2	IO_L42P_2	V16
AF9	IO_L18P_2	IO_L42N_2	U16
AF9	IO_L19N_2/VSS0	IO_L41P_2	AD20
WB3	IO_L19P_2/VSS1	IO_L41N_2	AC20
V13	IO_L20N_2	IO_L40P_2	AD19
AC12	IO_L20P_2	IO_L40N_2	AC19
AB12	IO_L21N_2	IO_L39P_2	AF20
AF10	IO_L21P_2	IO_L39N_2	AE20
AE10	IO_L22N_2/06	IO_L38P_2	AC16
AC11	IO_L22P_2/07	IO_L38N_2	AB16
AD11	IO_L23N_2	IO_L37P_2	AF19
AE12	IO_L23P_2	IO_L37N_2	AE19
AF12	IO_L24N_2/04	IO_L36P_2/02	AF18
Y13	IO_L24P_2/05	IO_L36N_2/01	AE18
AA13	IO_L25N_2/GCLK13	IO_L35P_2	V15
AE13	IO_L25P_2/GCLK12	IO_L35N_2	U15
AF13	IO_L26N_2/GCLK15	IO_L34P_2/INT7_B	AA15
AA14	IO_L26P_2/GCLK14	IO_L34N_2/03	Y15
Y14	IO_L27N_2/GCLK1	IO_L33P_2	AE17
AE14	IO_L27P_2/GCLK0	IO_L33N_2	AD17
AF14	IO_L28N_2/GCLK3	IO_L32P_2/AWAKE	AD15
AC14	IO_L28P_2/GCLK2	IO_L32N_2/00/UT	AE15
AD14	IO_L29N_2	IO_L31P_2	V14
	IO_L29P_2	IO_L31N_2	WB5
		IO_L30P_2	AC15
		IO_L30N_2/MO/SICS1_B	AB15

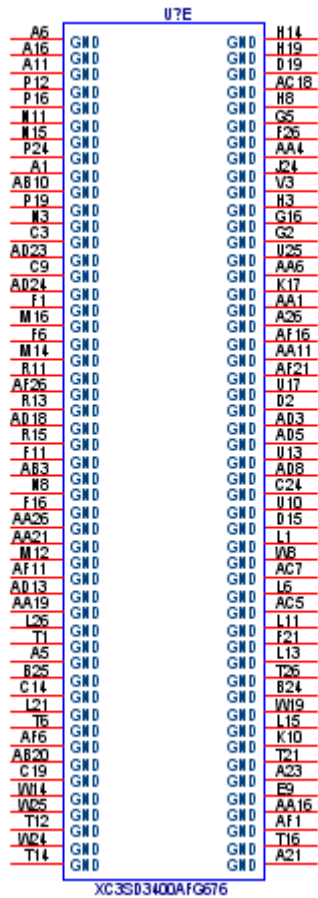
XC3SD3400AFG676

4. IO bank 3

U70		
J0	I0_L01N_3	IP_L66P_3
J6	I0_L01P_3	IP_L66M_3/VREF_3
B1	I0_L02N_3	IP_L50P_3
B2	I0_L02P_3	IP_L50M_3/VREF_3
H7	I0_L03N_3	IP_L46P_3
G6	I0_L03P_3	IP_L46M_3
K8	I0_L05N_3	IP_L24P_3
K9	I0_L05M_3	IP_L24M_3
E4	I0_L06P_3	IP_L20P_3
D3	I0_L06M_3	IP_L20M_3/VREF_3
F4	I0_L06P_3	IP_3/VREF_3
E3	I0_L07N_3	IP_3/VREF_3
G4	I0_L07P_3	IP_3/VREF_3
F5	I0_L09M_3	IP_3/VREF_3
H6	I0_L09P_3	IP_3
J7	I0_L10M_3	IP_3
F2	I0_L10P_3	
E1	I0_L11M_3	I0_L65P_3
J5	I0_L11P_3	I0_L65M_3
K7	I0_L13M_3	I0_L64P_3
F3	I0_L13P_3	I0_L64M_3
G3	I0_L14M_3	I0_L63P_3
L9	I0_L14P_3	I0_L63M_3
L10	I0_L15M_3	I0_L61P_3
H1	I0_L15P_3	I0_L61M_3
H2	I0_L17M_3	I0_L60P_3
L7	I0_L17P_3	I0_L60M_3
K6	I0_L18M_3	I0_L59P_3
J4	I0_L18P_3	I0_L59M_3
J5	I0_L19M_3	I0_L57P_3
M9	I0_L19P_3	I0_L57M_3
M10	I0_L21M_3	I0_L56P_3
K4	I0_L21P_3	I0_L56M_3
K5	I0_L22M_3	I0_L55P_3
K2	I0_L22P_3	I0_L55M_3
K3	I0_L23M_3	I0_L53P_3
L3	I0_L23P_3	I0_L53M_3
L4	I0_L25M_3	I0_L52P_3
M7	I0_L25P_3	I0_L52M_3
M8	I0_L26M_3	I0_L51P_3
M8	I0_L26P_3	I0_L51M_3
M3	I0_L27M_3	I0_L49P_3
M4	I0_L27P_3	I0_L49M_3
M6	I0_L28M_3	I0_L48P_3
M5	I0_L28P_3	I0_L48M_3
M1	I0_L29M_3/VREF_3	I0_L47P_3
M2	I0_L29P_3	I0_L47M_3
N4	I0_L30M_3	I0_L45P_3
N5	I0_L30P_3	I0_L45M_3
N2	I0_L30P_3	I0_L44P_3
N1	I0_L31M_3	I0_L44M_3
N7	I0_L31P_3	I0_L44M_3
N6	I0_L32M_3/LHCLK1	I0_L43P_3/VREF_3
P2	I0_L32P_3/LHCLK0	I0_L43M_3
P1	I0_L33M_3/TRDY2/LHCLK3	I0_L42P_3
P3	I0_L33P_3/LHCLK2	I0_L42M_3
P4	I0_L34M_3/LHCLK5	I0_L41P_3
P10	I0_L34P_3/LHCLK4	I0_L41M_3
N9	I0_L35M_3/LHCLK7	I0_L40P_3
B2	I0_L35P_3/TRDY2/LHCLK6	I0_L40M_3
R1	I0_L36M_3	I0_L39P_3
R4	I0_L36P_3/VREF_3	I0_L39M_3
R3	I0_L37M_3	I0_L38P_3
	I0_L37P_3	I0_L38M_3

XC3SD3400AFG676

5. Ground



6. Power 2/Programing

U7f			
AB21	HOME	VCC0_0	H11
A2	PROG_B	VCC0_0	E13
		VCC0_0	E19
		VCC0_0	B8
A25	TC_K	VCC0_0	B5
G7	TDI	VCC0_0	R16
E23	TDO	VCC0_0	H16
D4	TMS	VCC0_0	R11
		VCC0_0	A7
		VCC0_0	B22
AB17	VCCAUX	VCC0_0	
J18	VCCAUX		T19
T22	VCCAUX	VCC0_1	T25
AB4	VCCAUX	VCC0_1	E25
AF2	VCCAUX	VCC0_1	H22
N10	VCCAUX	VCC0_1	WD2
D1	VCCAUX	VCC0_1	L19
P17	VCCAUX	VCC0_1	AB25
AB5	VCCAUX	VCC0_1	H25
U14	VCCAUX	VCC0_1	L25
AB22	VCCAUX	VCC0_1	L22
E5	VCCAUX	VCC0_1	N22
AB11	VCCAUX		W16
H23	VCCAUX	VCC0_2	AE5
V9	VCCAUX	VCC0_2	AB8
L5	VCCAUX	VCC0_2	W11
K13	VCCAUX	VCC0_2	AE16
W25	VCCAUX	VCC0_2	AE11
E20	VCCAUX	VCC0_2	AF7
G25	VCCAUX	VCC0_2	AE22
A24	VCCAUX	VCC0_2	AB19
E22	VCCAUX	VCC0_2	AB14
E16	VCCAUX		H5
F9	VCCAUX		L2
D5	VCCINT	VCC0_3	AB2
AA8	VCCINT	VCC0_3	C2
K15	VCCINT	VCC0_3	T2
G18	VCCINT	VCC0_3	E2
L12	VCCINT	VCC0_3	T8
U12	VCCINT	VCC0_3	L8
T15	VCCINT	VCC0_3	P5
T13	VCCINT	VCC0_3	W5
W18	VCCINT		Y8
E6	VCCINT		C4
L14	VCCINT		N16
M13	VCCINT		N14
R16	VCCINT		P11
Y4	VCCINT		P13
F10	VCCINT		P14
L16	VCCINT		Y19
R14	VCCINT		Y18
F18	VCCINT		M11
R12	VCCINT		P15
M15	VCCINT		N13
Y11	VCCINT		T11
M17	VCCINT		
N12	VCCINT		

XC3SD3400AFG676

7. Revision History

	Revision	Date	By	Comments
1	1.01	Sept 12, 2007	MD	Initial Release