

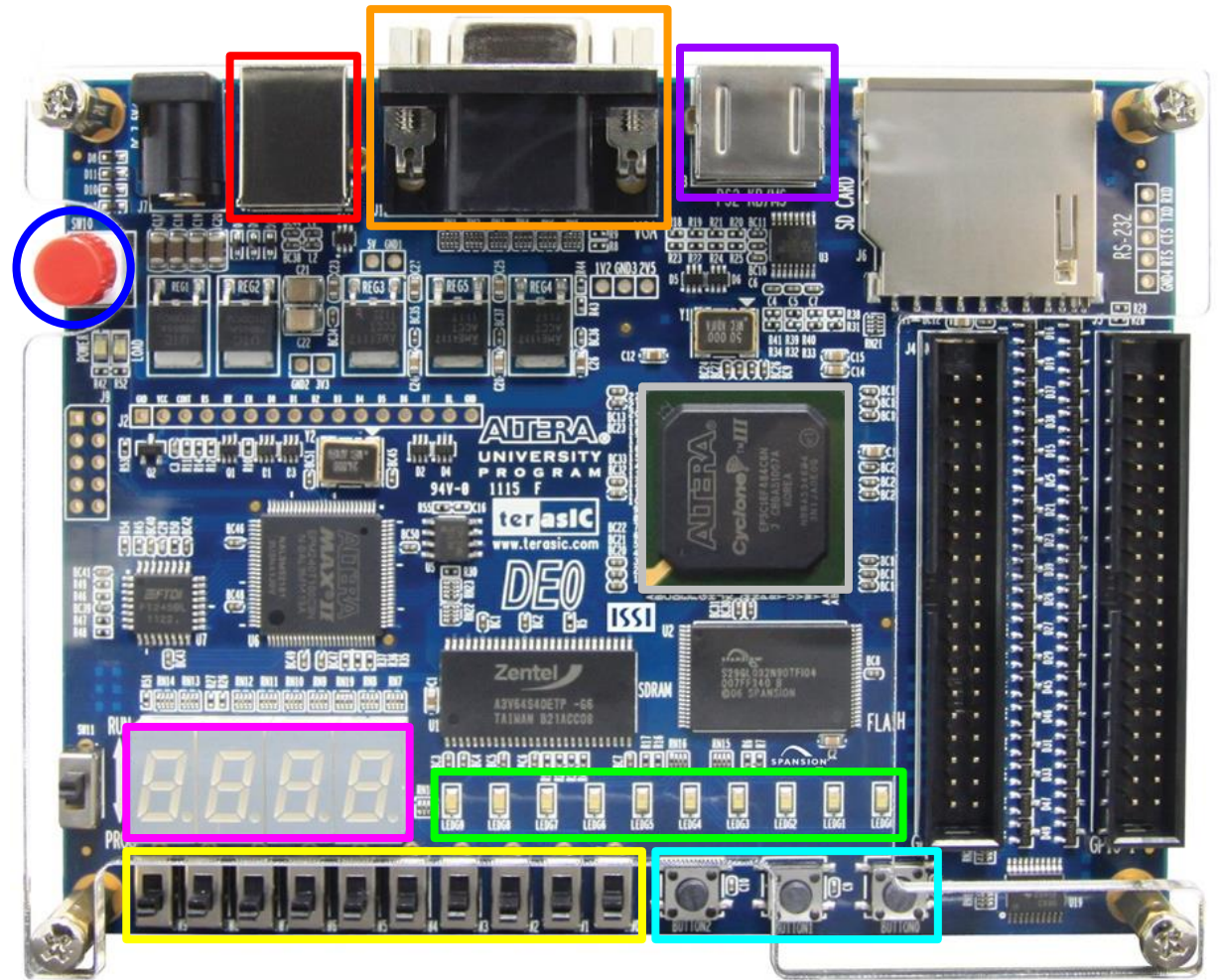
ОСНОВИ РАЧУНАРСКЕ ТЕХНИКЕ

Cyclone

Плочица

- DE0

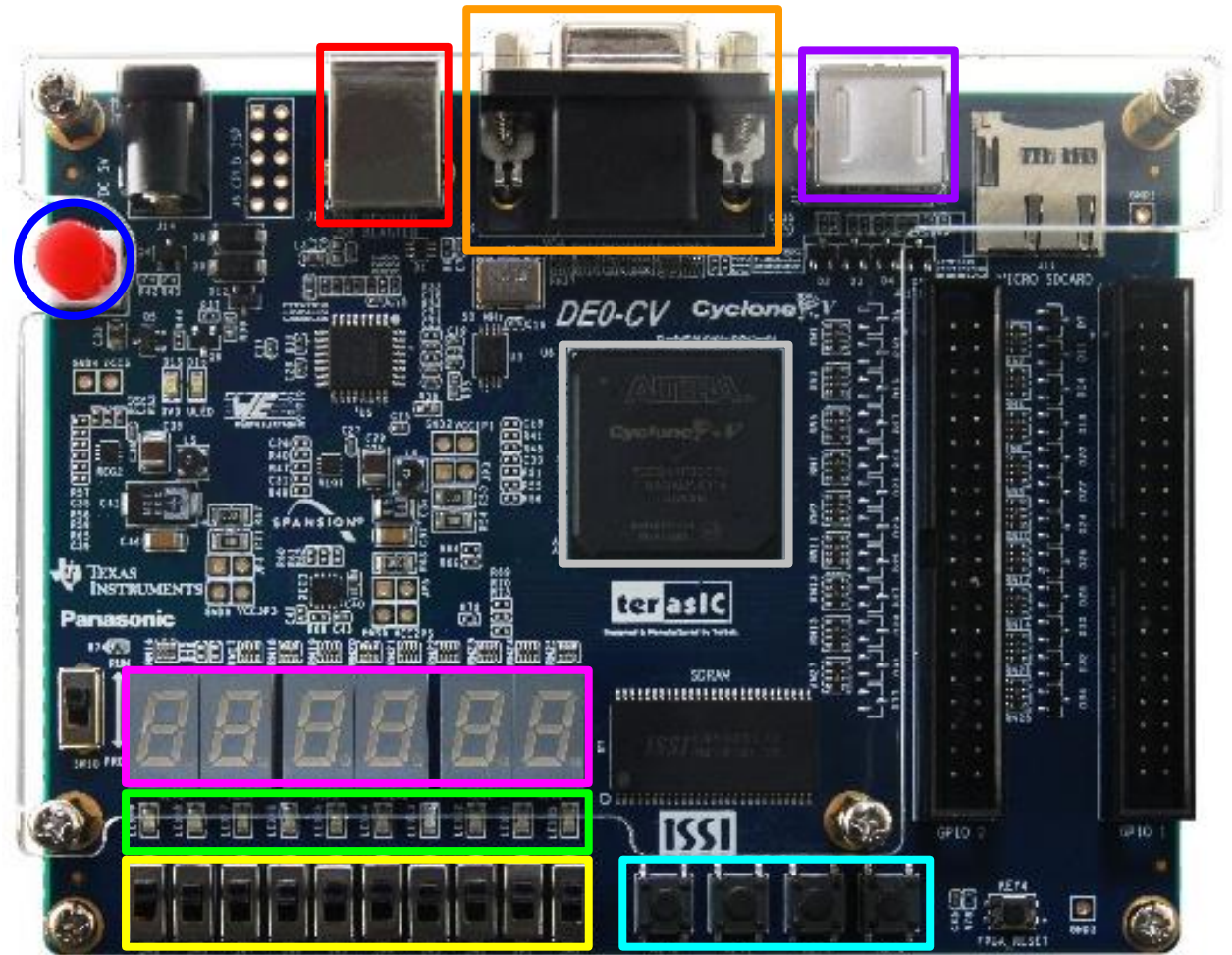
	Cyclone III EP3C16F484C6
	USB Blaster Connector
	PS/2 Connector
	VGA Connector
	Power ON/OFF Switch
	Switches
	Buttons
	LEDs
	7-Segment Displays



Плочица

- DE0-CV

	Cyclone V 5CEBA4F23C7
	USB Blaster Connector
	PS/2 Connector
	VGA Connector
	Power ON/OFF Switch
	Switches
	Buttons
	LEDs
	7-Segment Displays



ПИНОВИ

- Switches

Cyclone III		Cyclone V	
SW[0]	PIN_J6	SW0	PIN_U13
SW[1]	PIN_H5	SW1	PIN_V13
SW[2]	PIN_H6	SW2	PIN_T13
SW[3]	PIN_G4	SW3	PIN_T12
SW[4]	PIN_G5	SW4	PIN_AA15
SW[5]	PIN_J7	SW5	PIN_AB15
SW[6]	PIN_H7	SW6	PIN_AA14
SW[7]	PIN_E3	SW7	PIN_AA13
SW[8]	PIN_E4	SW8	PIN_AB13
SW[9]	PIN_D2	SW9	PIN_AB12

- Buttons

Cyclone III		Cyclone V	
BUTTON[0]	PIN_H2	KEY0	PIN_U7
BUTTON[1]	PIN_G3	KEY1	PIN_W9
BUTTON[2]	PIN_F1	KEY2	PIN_M7
-	-	KEY3	PIN_M6

- Clock

Cyclone III		Cyclone V	
CLOCK_50	PIN_G21	CLOCK_50	PIN_M9

ПИНОВИ

- LEDs

Cyclone III		Cyclone V	
LEDG[0]	PIN_J1	LEDR0	PIN_AA2
LEDG[1]	PIN_J2	LEDR1	PIN_AA1
LEDG[2]	PIN_J3	LEDR2	PIN_W2
LEDG[3]	PIN_H1	LEDR3	PIN_Y3
LEDG[4]	PIN_F2	LEDR4	PIN_N2
LEDG[5]	PIN_E1	LEDR5	PIN_N1
LEDG[6]	PIN_C1	LEDR6	PIN_U2
LEDG[7]	PIN_C2	LEDR7	PIN_U1
LEDG[8]	PIN_B2	LEDR8	PIN_L2
LEDG[9]	PIN_B1	LEDR9	PIN_L1

- 7-Segment Displays

Cyclone III		Cyclone V	
HEX0_D[0]	PIN_E11	HEX00	PIN_U21
HEX0_D[1]	PIN_F11	HEX01	PIN_V21
HEX0_D[2]	PIN_H12	HEX02	PIN_W22
HEX0_D[3]	PIN_H13	HEX03	PIN_W21
HEX0_D[4]	PIN_G12	HEX04	PIN_Y22
HEX0_D[5]	PIN_F12	HEX05	PIN_Y21
HEX0_D[6]	PIN_F13	HEX06	PIN_AA22
HEX0_DP	PIN_D13	-	-
HEX1_D[0]	PIN_A13	HEX10	PIN_AA20
HEX1_D[1]	PIN_B13	HEX11	PIN_AB20

ПИНОВИ

Cyclone III		Cyclone V	
HEX1_D[2]	PIN_C13	HEX12	PIN_AA19
HEX1_D[3]	PIN_A14	HEX13	PIN_AA18
HEX1_D[4]	PIN_B14	HEX14	PIN_AB18
HEX1_D[5]	PIN_E14	HEX15	PIN_AA17
HEX1_D[6]	PIN_A15	HEX16	PIN_U22
HEX1_DP	PIN_B15	-	-
HEX2_D[0]	PIN_D15	HEX20	PIN_Y19
HEX2_D[1]	PIN_A16	HEX21	PIN_AB17
HEX2_D[2]	PIN_B16	HEX22	PIN_AA10
HEX2_D[3]	PIN_E15	HEX23	PIN_Y14
HEX2_D[4]	PIN_A17	HEX24	PIN_V14

Cyclone III		Cyclone V	
HEX2_D[5]	PIN_B17	HEX25	PIN_AB22
HEX2_D[6]	PIN_F14	HEX26	PIN_AB21
HEX2_DP	PIN_A18	-	-
HEX3_D[0]	PIN_B18	HEX30	PIN_Y16
HEX3_D[1]	PIN_F15	HEX31	PIN_W16
HEX3_D[2]	PIN_A19	HEX32	PIN_Y17
HEX3_D[3]	PIN_B19	HEX33	PIN_V16
HEX3_D[4]	PIN_C19	HEX34	PIN_U17
HEX3_D[5]	PIN_D19	HEX35	PIN_V18
HEX3_D[6]	PIN_G15	HEX36	PIN_V19
HEX3_DP	PIN_G16	-	-

ПИНОВИ

- PS/2

Cyclone III		Cyclone V	
PS2_KBCLK	PIN_P22	PS2_CLK	PIN_D3
PS2_KBDAT	PIN_P21	PS2_DAT	PIN_G2

- VGA

Cyclone III		Cyclone V	
VGA_R[0]	PIN_H19	VGA_R0	PIN_A9
VGA_R[1]	PIN_H17	VGA_R1	PIN_B10
VGA_R[2]	PIN_H20	VGA_R2	PIN_C9
VGA_R[3]	PIN_H21	VGA_R3	PIN_A5

Cyclone III		Cyclone V	
VGA_G[0]	PIN_H22	VGA_G0	PIN_L7
VGA_G[1]	PIN_J17	VGA_G1	PIN_K7
VGA_G[2]	PIN_K17	VGA_G2	PIN_J7
VGA_G[3]	PIN_J21	VGA_G3	PIN_J8
VGA_B[0]	PIN_K22	VGA_B0	PIN_B6
VGA_B[1]	PIN_K21	VGA_B1	PIN_B7
VGA_B[2]	PIN_J22	VGA_B2	PIN_A8
VGA_B[3]	PIN_K18	VGA_B3	PIN_A7
VGA_HS	PIN_L21	VGA_HS	PIN_H8
VGA_VS	PIN_L22	VGA_VS	PIN_G8