

Dip switch and Push-buttons

Table 3-6 Pin Assignment of Slide Switches

<i>Signal Name</i>	<i>FPGA Pin No.</i>	<i>Description</i>	<i>I/O Standard</i>
SW[0]	PIN_AB12	Slide Switch[0]	3.3V
SW[1]	PIN_AC12	Slide Switch[1]	3.3V
SW[2]	PIN_AF9	Slide Switch[2]	3.3V
SW[3]	PIN_AF10	Slide Switch[3]	3.3V
SW[4]	PIN_AD11	Slide Switch[4]	3.3V
SW[5]	PIN_AD12	Slide Switch[5]	3.3V
SW[6]	PIN_AE11	Slide Switch[6]	3.3V
SW[7]	PIN_AC9	Slide Switch[7]	3.3V
SW[8]	PIN_AD10	Slide Switch[8]	3.3V
SW[9]	PIN_AE12	Slide Switch[9]	3.3V

Table 3-7 Pin Assignment of Push-buttons

<i>Signal Name</i>	<i>FPGA Pin No.</i>	<i>Description</i>	<i>I/O Standard</i>
KEY[0]	PIN_AA14	Push-button[0]	3.3V
KEY[1]	PIN_AA15	Push-button[1]	3.3V
KEY[2]	PIN_W15	Push-button[2]	3.3V
KEY[3]	PIN_Y16	Push-button[3]	3.3V

LED

Table 3-8 Pin Assignment of LEDs

<i>Signal Name</i>	<i>FPGA Pin No.</i>	<i>Description</i>	<i>I/O Standard</i>
LEDR[0]	PIN_V16	LED [0]	3.3V
LEDR[1]	PIN_W16	LED [1]	3.3V
LEDR[2]	PIN_V17	LED [2]	3.3V
LEDR[3]	PIN_V18	LED [3]	3.3V
LEDR[4]	PIN_W17	LED [4]	3.3V
LEDR[5]	PIN_W19	LED [5]	3.3V
LEDR[6]	PIN_Y19	LED [6]	3.3V
LEDR[7]	PIN_W20	LED [7]	3.3V
LEDR[8]	PIN_W21	LED [8]	3.3V
LEDR[9]	PIN_Y21	LED [9]	3.3V

7-Segment Display :

Table 3-9 Pin Assignment of 7-segment Displays

Signal Name	FPGA Pin No.	Description	I/O Standard
HEX0[0]	PIN_AE26	Seven Segment Digit 0[0]	3.3V
HEX0[1]	PIN_AE27	Seven Segment Digit 0[1]	3.3V
HEX0[2]	PIN_AE28	Seven Segment Digit 0[2]	3.3V
HEX0[3]	PIN_AG27	Seven Segment Digit 0[3]	3.3V
HEX0[4]	PIN_AF28	Seven Segment Digit 0[4]	3.3V
HEX0[5]	PIN_AG28	Seven Segment Digit 0[5]	3.3V
HEX0[6]	PIN_AH28	Seven Segment Digit 0[6]	3.3V
HEX1[0]	PIN_AJ29	Seven Segment Digit 1[0]	3.3V
HEX1[1]	PIN_AH29	Seven Segment Digit 1[1]	3.3V
HEX1[2]	PIN_AH30	Seven Segment Digit 1[2]	3.3V
HEX1[3]	PIN_AG30	Seven Segment Digit 1[3]	3.3V
HEX1[4]	PIN_AF29	Seven Segment Digit 1[4]	3.3V
HEX1[5]	PIN_AF30	Seven Segment Digit 1[5]	3.3V
HEX1[6]	PIN_AD27	Seven Segment Digit 1[6]	3.3V
HEX2[0]	PIN_AB23	Seven Segment Digit 2[0]	3.3V
HEX2[1]	PIN_AE29	Seven Segment Digit 2[1]	3.3V
HEX2[2]	PIN_AD29	Seven Segment Digit 2[2]	3.3V
HEX2[3]	PIN_AC28	Seven Segment Digit 2[3]	3.3V
HEX2[4]	PIN_AD30	Seven Segment Digit 2[4]	3.3V
HEX2[5]	PIN_AC29	Seven Segment Digit 2[5]	3.3V
HEX2[6]	PIN_AC30	Seven Segment Digit 2[6]	3.3V
HEX3[0]	PIN_AD26	Seven Segment Digit 3[0]	3.3V
HEX3[1]	PIN_AC27	Seven Segment Digit 3[1]	3.3V
HEX3[2]	PIN_AD25	Seven Segment Digit 3[2]	3.3V
HEX3[3]	PIN_AC25	Seven Segment Digit 3[3]	3.3V
HEX3[4]	PIN_AB28	Seven Segment Digit 3[4]	3.3V
HEX3[5]	PIN_AB25	Seven Segment Digit 3[5]	3.3V
HEX3[6]	PIN_AB22	Seven Segment Digit 3[6]	3.3V
HEX4[0]	PIN_AA24	Seven Segment Digit 4[0]	3.3V

HEX4[1]	PIN_Y23	Seven Segment Digit 4[1]	3.3V
HEX4[2]	PIN_Y24	Seven Segment Digit 4[2]	3.3V
HEX4[3]	PIN_W22	Seven Segment Digit 4[3]	3.3V
HEX4[4]	PIN_W24	Seven Segment Digit 4[4]	3.3V
HEX4[5]	PIN_V23	Seven Segment Digit 4[5]	3.3V
HEX4[6]	PIN_W25	Seven Segment Digit 4[6]	3.3V
HEX5[0]	PIN_V25	Seven Segment Digit 5[0]	3.3V
HEX5[1]	PIN_AA28	Seven Segment Digit 5[1]	3.3V
HEX5[2]	PIN_Y27	Seven Segment Digit 5[2]	3.3V
HEX5[3]	PIN_AB27	Seven Segment Digit 5[3]	3.3V
HEX5[4]	PIN_AB26	Seven Segment Digit 5[4]	3.3V
HEX5[5]	PIN_AA26	Seven Segment Digit 5[5]	3.3V
HEX5[6]	PIN_AA25	Seven Segment Digit 5[6]	3.3V



CLOCK:

Table 3-5 Pin Assignment of Clock Inputs

<i>Signal Name</i>	<i>FPGA Pin No.</i>	<i>Description</i>	<i>I/O Standard</i>
CLOCK_50	PIN_AF14	50 MHz clock input	3.3V
CLOCK2_50	PIN_AA16	50 MHz clock input	3.3V
CLOCK3_50	PIN_Y26	50 MHz clock input	3.3V
CLOCK4_50	PIN_K14	50 MHz clock input	3.3V
HPS_CLOCK1_25	PIN_D25	25 MHz clock input	3.3V
HPS_CLOCK2_25	PIN_F25	25 MHz clock input	3.3V

GPIO 0,1:

Table 3-11 Pin Assignment of Expansion Headers

Signal Name	FPGA Pin No.	Description	I/O Standard
GPIO_0[0]	PIN_AC18	GPIO Connection 0[0]	3.3V
GPIO_0 [1]	PIN_Y17	GPIO Connection 0[1]	3.3V
GPIO_0 [2]	PIN_AD17	GPIO Connection 0[2]	3.3V
GPIO_0 [3]	PIN_Y18	GPIO Connection 0[3]	3.3V

GPIO_0 [4]	PIN_AK16	GPIO Connection 0[4]	3.3V
GPIO_0 [5]	PIN_AK18	GPIO Connection 0[5]	3.3V
GPIO_0 [6]	PIN_AK19	GPIO Connection 0[6]	3.3V
GPIO_0 [7]	PIN_AJ19	GPIO Connection 0[7]	3.3V
GPIO_0 [8]	PIN_AJ17	GPIO Connection 0[8]	3.3V
GPIO_0 [9]	PIN_AJ16	GPIO Connection 0[9]	3.3V
GPIO_0 [10]	PIN_AH18	GPIO Connection 0[10]	3.3V
GPIO_0 [11]	PIN_AH17	GPIO Connection 0[11]	3.3V
GPIO_0 [12]	PIN_AG16	GPIO Connection 0[12]	3.3V
GPIO_0 [13]	PIN_AE16	GPIO Connection 0[13]	3.3V
GPIO_0 [14]	PIN_AF16	GPIO Connection 0[14]	3.3V
GPIO_0 [15]	PIN_AG17	GPIO Connection 0[15]	3.3V
GPIO_0 [16]	PIN_AA18	GPIO Connection 0[16]	3.3V
GPIO_0 [17]	PIN_AA19	GPIO Connection 0[17]	3.3V
GPIO_0 [18]	PIN_AE17	GPIO Connection 0[18]	3.3V
GPIO_0 [19]	PIN_AC20	GPIO Connection 0[19]	3.3V
GPIO_0 [20]	PIN_AH19	GPIO Connection 0[20]	3.3V
GPIO_0 [21]	PIN_AJ20	GPIO Connection 0[21]	3.3V
GPIO_0 [22]	PIN_AH20	GPIO Connection 0[22]	3.3V
GPIO_0 [23]	PIN_AK21	GPIO Connection 0[23]	3.3V
GPIO_0 [24]	PIN_AD19	GPIO Connection 0[24]	3.3V
GPIO_0 [25]	PIN_AD20	GPIO Connection 0[25]	3.3V
GPIO_0 [26]	PIN_AE18	GPIO Connection 0[26]	3.3V
GPIO_0 [27]	PIN_AE19	GPIO Connection 0[27]	3.3V
GPIO_0 [28]	PIN_AF20	GPIO Connection 0[28]	3.3V
GPIO_0 [29]	PIN_AF21	GPIO Connection 0[29]	3.3V
GPIO_0 [30]	PIN_AF19	GPIO Connection 0[30]	3.3V
GPIO_0 [31]	PIN_AG21	GPIO Connection 0[31]	3.3V
GPIO_0 [32]	PIN_AF18	GPIO Connection 0[32]	3.3V
GPIO_0 [33]	PIN_AG20	GPIO Connection 0[33]	3.3V

GPIO_0 [34]	PIN_AG18	GPIO Connection 0[34]	3.3V
GPIO_0 [35]	PIN_AJ21	GPIO Connection 0[35]	3.3V
GPIO_1[0]	PIN_AB17	GPIO Connection 1[0]	3.3V
GPIO_1[1]	PIN_AA21	GPIO Connection 1[1]	3.3V
GPIO_1 [2]	PIN_AB21	GPIO Connection 1[2]	3.3V
GPIO_1 [3]	PIN_AC23	GPIO Connection 1[3]	3.3V
GPIO_1 [4]	PIN_AD24	GPIO Connection 1[4]	3.3V
GPIO_1 [5]	PIN_AE23	GPIO Connection 1[5]	3.3V
GPIO_1 [6]	PIN_AE24	GPIO Connection 1[6]	3.3V
GPIO_1 [7]	PIN_AF25	GPIO Connection 1[7]	3.3V
GPIO_1 [8]	PIN_AF26	GPIO Connection 1[8]	3.3V
GPIO_1 [9]	PIN_AG25	GPIO Connection 1[9]	3.3V
GPIO_1[10]	PIN_AG26	GPIO Connection 1[10]	3.3V
GPIO_1 [11]	PIN_AH24	GPIO Connection 1[11]	3.3V

GPIO_1 [12]	PIN_AH27	GPIO Connection 1[12]	3.3V
GPIO_1 [13]	PIN_AJ27	GPIO Connection 1[13]	3.3V
GPIO_1 [14]	PIN_AK29	GPIO Connection 1[14]	3.3V
GPIO_1 [15]	PIN_AK28	GPIO Connection 1[15]	3.3V
GPIO_1 [16]	PIN_AK27	GPIO Connection 1[16]	3.3V
GPIO_1 [17]	PIN_AJ26	GPIO Connection 1[17]	3.3V
GPIO_1 [18]	PIN_AK26	GPIO Connection 1[18]	3.3V
GPIO_1 [19]	PIN_AH25	GPIO Connection 1[19]	3.3V
GPIO_1 [20]	PIN_AJ25	GPIO Connection 1[20]	3.3V
GPIO_1 [21]	PIN_AJ24	GPIO Connection 1[21]	3.3V
GPIO_1 [22]	PIN_AK24	GPIO Connection 1[22]	3.3V
GPIO_1 [23]	PIN_AG23	GPIO Connection 1[23]	3.3V
GPIO_1 [24]	PIN_AK23	GPIO Connection 1[24]	3.3V
GPIO_1 [25]	PIN_AH23	GPIO Connection 1[25]	3.3V
GPIO_1 [26]	PIN_AK22	GPIO Connection 1[26]	3.3V
GPIO_1 [27]	PIN_AJ22	GPIO Connection 1[27]	3.3V
GPIO_1 [28]	PIN_AH22	GPIO Connection 1[28]	3.3V
GPIO_1 [29]	PIN_AG22	GPIO Connection 1[29]	3.3V
GPIO_1 [30]	PIN_AF24	GPIO Connection 1[30]	3.3V
GPIO_1 [31]	PIN_AF23	GPIO Connection 1[31]	3.3V
GPIO_1 [32]	PIN_AE22	GPIO Connection 1[32]	3.3V
GPIO_1 [33]	PIN_AD21	GPIO Connection 1[33]	3.3V
GPIO_1 [34]	PIN_AA20	GPIO Connection 1[34]	3.3V
GPIO_1 [35]	PIN_AC22	GPIO Connection 1[35]	3.3V

