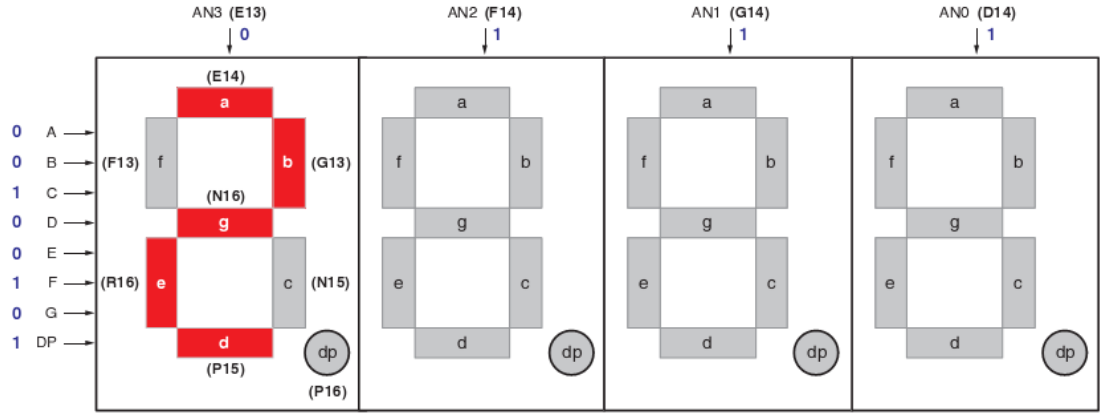

Table 3-1: **FPGA Connections to Seven-Segment Display (Active Low)**

Segment	FPGA Pin
A	E14
B	G13
C	N15
D	P15
E	R16
F	F13
G	N16
DP	P16

Table 3-2: **Digit Enable (Anode Control) Signals (Active Low)**

Anode Control	AN3	AN2	AN1	AN0
FPGA Pin	E13	F14	G14	D14

Table 3-3: **Display Characters and Resulting LED Segment Control Values**

Character	a	b	c	d	e	f	g
0	0	0	0	0	0	0	1
1	1	0	0	1	1	1	1
2	0	0	1	0	0	1	0
3	0	0	0	0	1	1	0
4	1	0	0	1	1	0	0
5	0	1	0	0	1	0	0
6	0	1	0	0	0	0	0
7	0	0	0	1	1	1	1
8	0	0	0	0	0	0	0
9	0	0	0	0	1	0	0
A	0	0	0	1	0	0	0
b	1	1	0	0	0	0	0
C	0	1	1	0	0	0	1
d	1	0	0	0	0	1	0
E	0	1	1	0	0	0	0
F	0	1	1	1	0	0	0

Table 4-1: **Slider Switch Connections**

Switch	SW7	SW6	SW5	SW4	SW3	SW2	SW1	SW0
FPGA Pin	K13	K14	J13	J14	H13	H14	G12	F12

Table 4-2: **Push Button Switch Connections**

Push Button	BTN3 (User Reset)	BTN2	BTN1	BTN0
FPGA Pin	L14	L13	M14	M13

Table 4-3: **LED Connections to the Spartan-3 FPGA**

LED	LD7	LD6	LD5	LD4	LD3	LD2	LD1	LD0
FPGA Pin	P11	P12	N12	P13	N14	L12	P14	K12

Table 5-1: **VGA Port Connections to the Spartan-3 FPGA**

Signal	FPGA Pin
Red (R)	R12
Green (G)	T12
Blue (B)	R11
Horizontal Sync (HS)	R9
Vertical Sync (VS)	T10

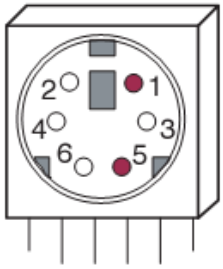

Figure 6-1: **PS/2 DIN Connector**

Table 6-1: **PS/2 Connections to the Spartan-3 FPGA**

PS/2 DIN Pin	Signal	FPGA Pin
1	DATA (PS2D)	M15
2	Reserved	—
3	GND	GND
4	Voltage Supply	—
5	CLK (PS2C)	M16
6	Reserved	—