

## TOP\_SYSTEM UCF

NET "CLK" LOC = "L15";

### # onBoard USB controller

NET "ASTRB" LOC = "B9";  
NET "DSTRB" LOC = "A9";  
NET "PWRITE" LOC = "C15";  
NET "PWAIT" LOC = "F13";  
NET "DATA<0>" LOC = "A2";  
NET "DATA<1>" LOC = "D6";  
NET "DATA<2>" LOC = "C6";  
NET "DATA<3>" LOC = "B3";  
NET "DATA<4>" LOC = "A3";  
NET "DATA<5>" LOC = "B4";  
NET "DATA<6>" LOC = "A4";  
NET "DATA<7>" LOC = "C5";

### # onBoard Pushbuttons

NET "PSH\_BUTTON" LOC = "F5";  
NET "RST" LOC = "N4";

### # onBoard LEDS

NET "LEDS\_O<0>" LOC = "U18";  
NET "LEDS\_O<1>" LOC = "M14";  
NET "LEDS\_O<2>" LOC = "N14";  
NET "LEDS\_O<3>" LOC = "L14";  
NET "LEDS\_O<4>" LOC = "M13";  
NET "LEDS\_O<5>" LOC = "D4";  
NET "LEDS\_O<6>" LOC = "P16";  
NET "LEDS\_O<7>" LOC = "N12";

### # onBoard SWITCHES

NET "SWITCHES\_I<0>" LOC = "A10";  
NET "SWITCHES\_I<1>" LOC = "D14";  
NET "SWITCHES\_I<2>" LOC = "C14";  
NET "SWITCHES\_I<3>" LOC = "P15";  
NET "SWITCHES\_I<4>" LOC = "P12";  
NET "SWITCHES\_I<5>" LOC = "R5";  
NET "SWITCHES\_I<6>" LOC = "T5";  
NET "SWITCHES\_I<7>" LOC = "E4";