TINYCPU のトップ回路のユーザ制約ファイル(Spartan3E スタータキット用)

ソースコード

```
# ROT PUSH BUTTON
NET "ROT_A" LOC = "K18" | IOSTANDARD = LVTTL | PULLUP;
NET "ROT_CENTER" LOC = "V16" | IOSTANDARD = LVTTL | PULLDOWN;

# PUSH SWITCH
NET "BTN_SOUTH" LOC = "K17" | IOSTANDARD = LVTTL | PULLDOWN;
NET "BTN_EAST" LOC = "H13" | IOSTANDARD = LVTTL | PULLDOWN;
NET "BTN_MORTH" LOC = "V4" | IOSTANDARD = LVTTL | PULLDOWN;
NET "BTN_WEST" LOC = "D18" | IOSTANDARD = LVTTL | PULLDOWN;
NET "SW-OD" LOC="L13" | IOSTANDARD = LVTTL | PULLUP;
NET "SW-OD" LOC="L13" | IOSTANDARD = LVTTL | PULLUP;
NET "SW-15" LOC="L14" | IOSTANDARD = LVTTL | PULLUP;
NET "SW-25" LOC="H18" | IOSTANDARD = LVTTL | PULLUP;
NET "SW-35" LOC="N17" | IOSTANDARD = LVTTL | PULLUP;

# LED
NET "LED-45" LOC = "C11" | IOSTANDARD = LVTTL | SLEW = SLOW | DRIVE = 8;
NET "LED-45" LOC = "F11" | IOSTANDARD = LVTTL | SLEW = SLOW | DRIVE = 8;
NET "LED-45" LOC = "E11" | IOSTANDARD = LVTTL | SLEW = SLOW | DRIVE = 8;
NET "LED-45" LOC = "E12" | IOSTANDARD = LVTTL | SLEW = SLOW | DRIVE = 8;
NET "LED-45" LOC = "E12" | IOSTANDARD = LVTTL | SLEW = SLOW | DRIVE = 8;
NET "LED-55" LOC = "F12" | IOSTANDARD = LVTTL | SLEW = SLOW | DRIVE = 8;
NET "LED-65" LOC = "E12" | IOSTANDARD = LVCMOS33 ;
# CLOCK
NET "CLK50MHZ" LOC = "C9" | IOSTANDARD = LVCMOS33 | DRIVE = 4 | SLEW = SLOW;
NET "LCD_RS" LOC = "L18" | IOSTANDARD = LVCMOS33 | DRIVE = 4 | SLEW = SLOW;
NET "LCD_RS" LOC = "L18" | IOSTANDARD = LVCMOS33 | DRIVE = 4 | SLEW = SLOW;
NET "LCD_RS" LOC = "L18" | IOSTANDARD = LVCMOS33 | DRIVE = 4 | SLEW = SLOW;
NET "LCD_RS" LOC = "L17" | IOSTANDARD = LVCMOS33 | DRIVE = 4 | SLEW = SLOW;
NET "SF_D-85" LOC = "R15" | IOSTANDARD = LVCMOS33 | DRIVE = 4 | SLEW = SLOW;
NET "SF_D-410-" LOC = "R15" | IOSTANDARD = LVCMOS33 | DRIVE = 4 | SLEW = SLOW;
NET "SF_D-410-" LOC = "R15" | IOSTANDARD = LVCMOS33 | DRIVE = 4 | SLEW = SLOW;
NET "SF_D-410-" LOC = "R15" | IOSTANDARD = LVCMOS33 | DRIVE = 4 | SLEW = SLOW;
NET "SF_D-410-" LOC = "R15" | IOSTANDARD = LVCMOS33 | DRIVE = 4 | SLEW = SLOW;
NET "SF_D-410-" LOC = "R15" | IOSTANDARD = LVCMOS33 | DRIVE = 4 | SLEW = SLOW;
NET "SF_D-410-" LOC = "R15" | IOS
```