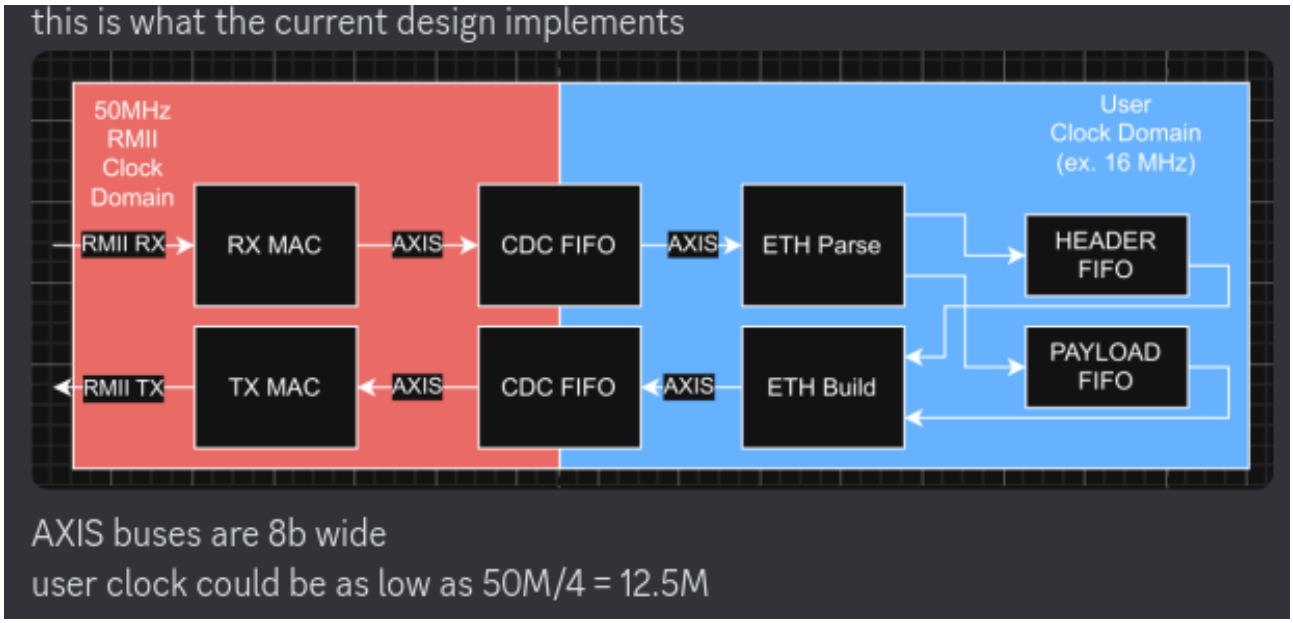
**********Default**********

Catboard-Pipelinec
PMOD-Ethernet
02/21/25

**********Default**********

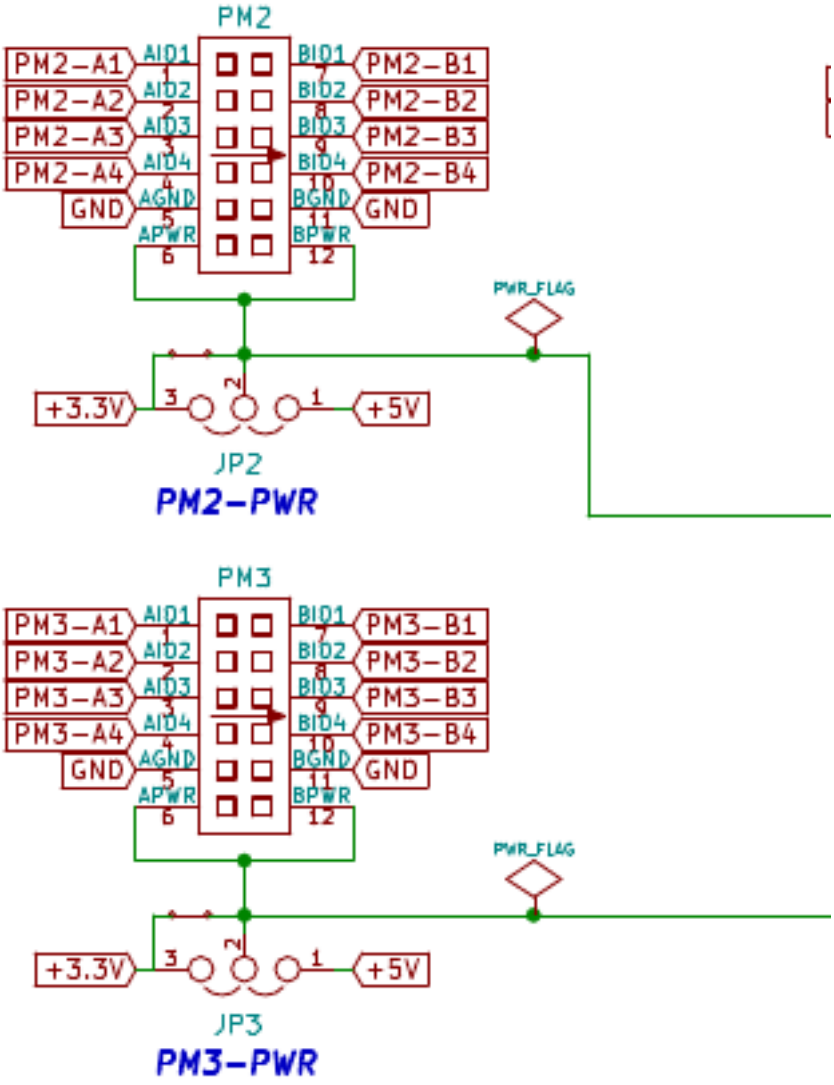


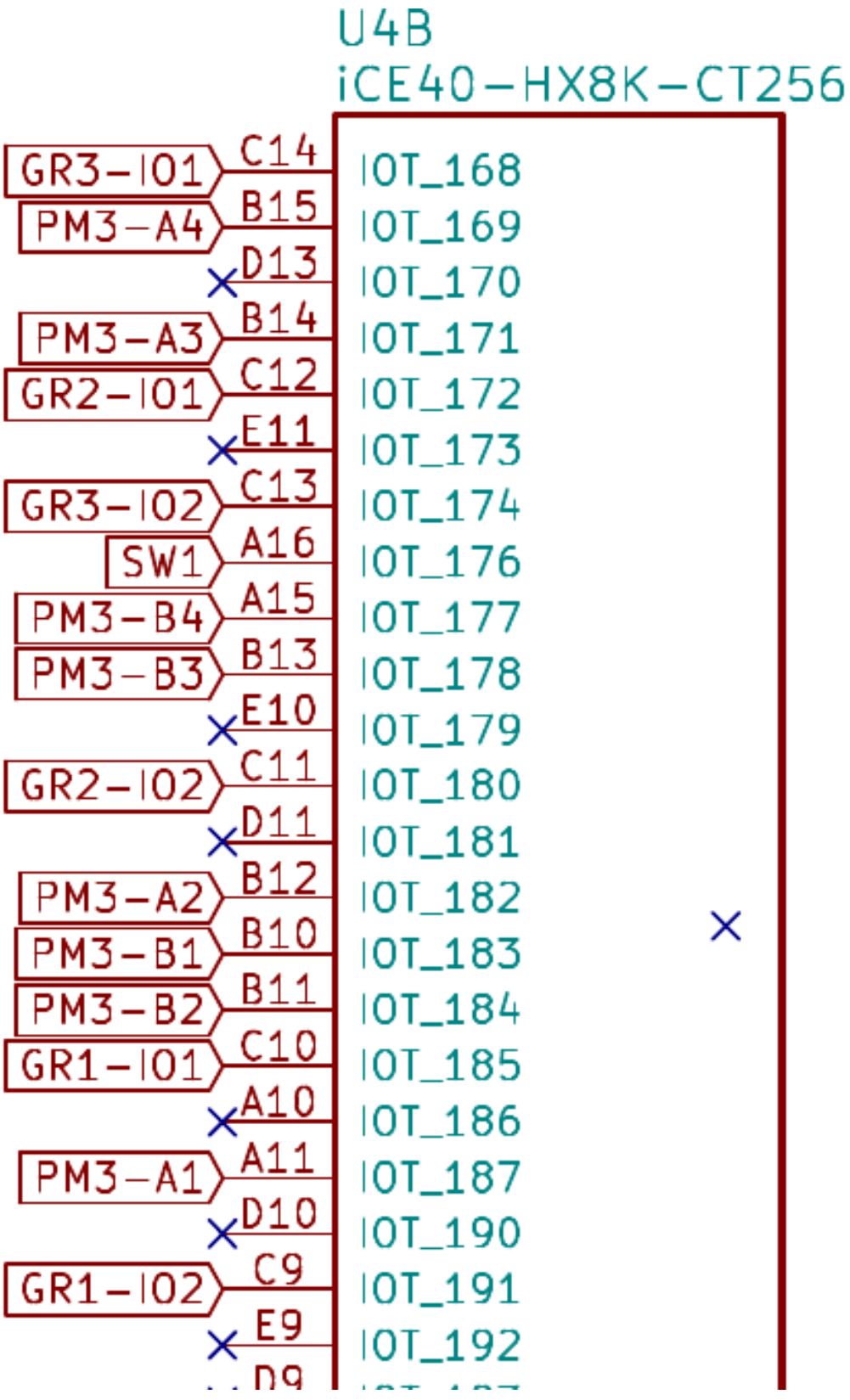
pico-ice 12MHz Catboard 100MHz
pmod-ether 25MHz

```
/**
 * PLL configuration
 *
 * This Verilog header file was generated automatically
 * using the icepll tool from the IceStorm project.
 * It is intended for use with FPGA primitives SB_PLL40_CORE,
 * SB_PLL40_PAD, SB_PLL40_2_PAD, SB_PLL40_2F_CORE or SB_PLL40_2F_PAD.
 * Use at your own risk.
 *
 * Given input frequency:       100.000 MHz
 * Requested output frequency:   25.000 MHz
 * Achieved output frequency:    25.000 MHz
 */

.FEEDBACK_PATH("SIMPLE"),
.DIVR(4'b0000),                 // DIVR =  0
.DIVF(7'b0000111),   // DIVF =  7
.DIVQ(3'b101),                  // DIVQ =  5
.FILTER_RANGE(3'b101)    // FILTER_RANGE = 5
```

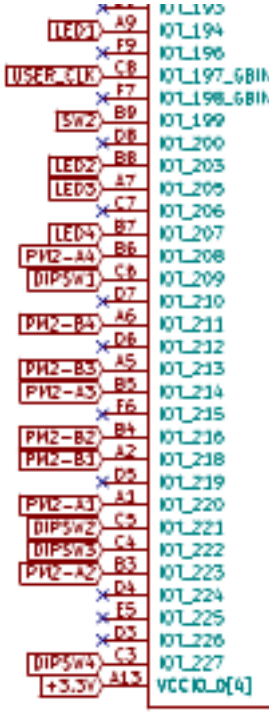
pico-ice to catboard
PMOD0A

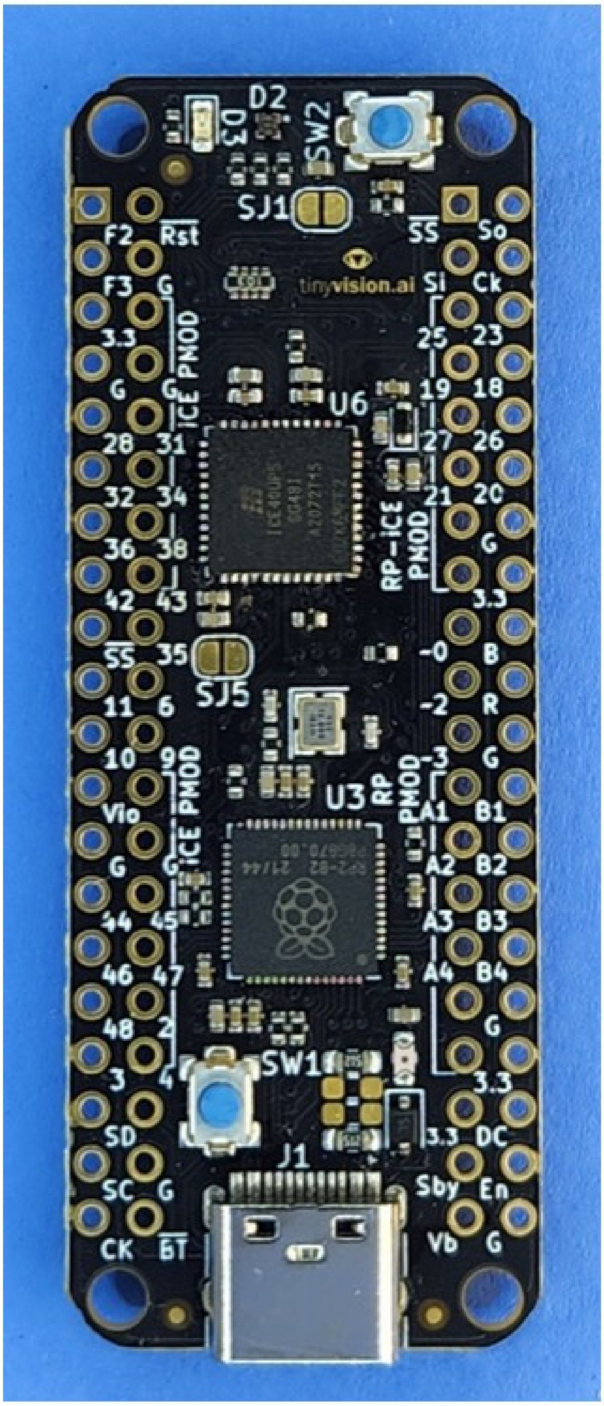
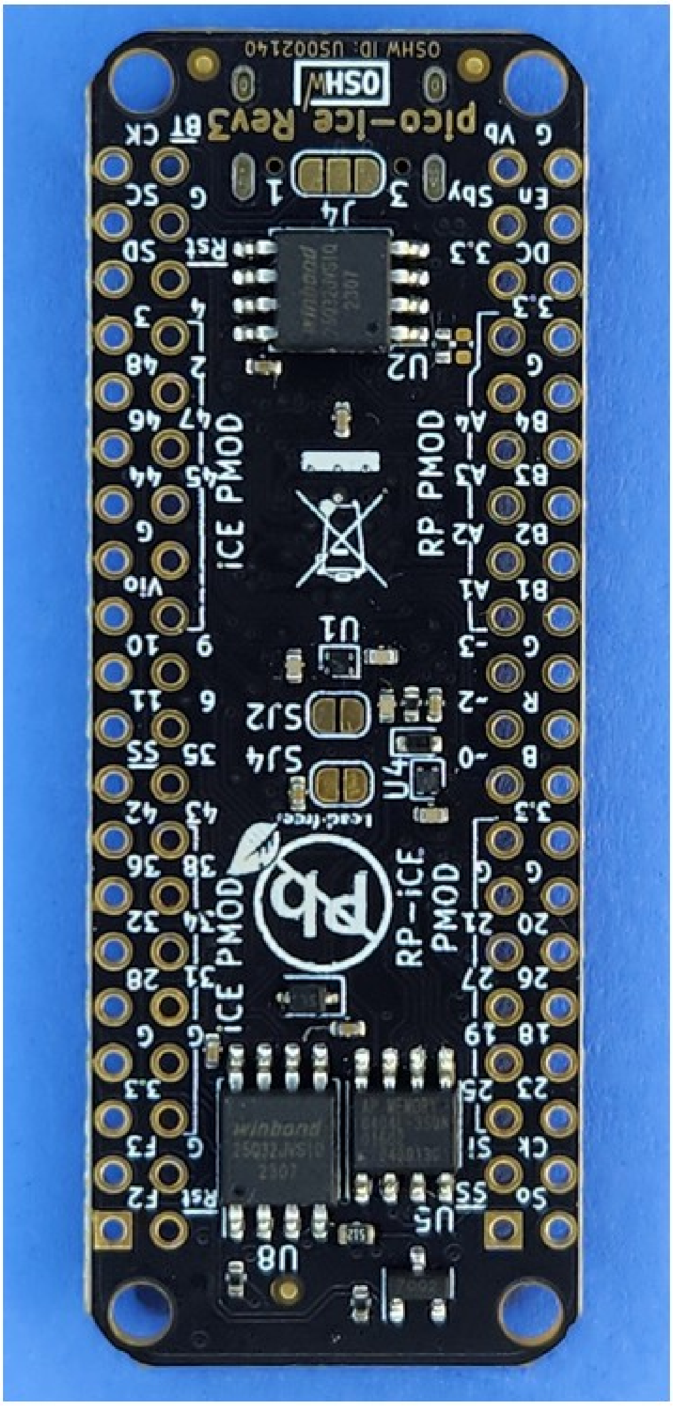
```
set_io -nowarn ICE_45 45
set_io -nowarn ICE_47 47
set_io -nowarn ICE_2 2
set_io -nowarn ICE_4 4

# PMOD0B
set_io -nowarn ICE_44 44
set_io -nowarn ICE_46 46
set_io -nowarn ICE_48 48
set_io -nowarn ICE_3 3


# pin definitions
set_io d7_o A15
set_io d0_o A11
set_io d5_o B13
set_io d6_o B15
set_io d2_o B12
set_io d3_o B11
set_io d1_o B10
set_io clk_i C8
set_io d4_o B1
```




U4B
iCE40-HX8K-CT256
GR3-IO1
C14
IOT_168
PM3-A4
B15
IOT_169
D13
IOT_170
PM3-A3
B14
IOT_171
GR2-IO1
C12
IOT_172
E11
IOT_173
GR3-IO2
C13
IOT_174
SW1
A16
IOT_176
PM3-B4
A15
IOT_177
PM3-B3
B13
IOT_178
E10
IOT_179
GR2-IO2
C11
IOT_180
D11
IOT_181
PM3-A2
B12
IOT_182
PM3-B1
B10
IOT_183
PM3-B2
B11
IOT_184
GR1-IO1
C10
IOT_185
A10
IOT_186
PM3-A1
A11
IOT_187
D10
IOT_190
GR1-IO2
C9
IOT_191
E9
IOT_192

xx


LED1
A9
IO1_194
F9
IO1_196
USER_CLK
C8
IO1_197_GBIN
F7
IO1_198_GBIN
SW2
B9
IO1_199
D8
IO1_200
LED2
B8
IO1_203
LED3
A7
IO1_205
C7
IO1_206
LED4
B7
IO1_207
PMI2-A4
B6
IO1_208
DIPSW1
C6
IO1_209
D7
IO1_210
PMI2-B4
A6
IO1_211
D6
IO1_212
PMI2-B5
A5
IO1_213
PMI2-A5
B5
IO1_214
F6
IO1_215
PMI2-B2
B4
IO1_216
PMI2-B1
A2
IO1_218
D5
IO1_219
PMI2-A1
A1
IO1_220
DIPSW2
C5
IO1_221
DIPSW3
C4
IO1_222
PMI2-A2
B3
IO1_223
D4
IO1_224
E5
IO1_225
D3
IO1_226
DIPSW4
C3
IO1_227
+3.3V
A13
VCCIO_D[4]


D2
D3
SW2
SJ1
tinyvision.ai
U6
ICE PMOD
RP-iCE PMOD
SJ5
U3
RP PMOD
SW1
J1
F2 Rst SS So
F3 G Si Ck
3.3 25 23
G G 19 18
28 31 27 26
32 34 21 20
36 38 G
42 43 3.3
SS 35 -0 B
11 6 -2 R
10 9 -3 G
Vio A1 B1
G G A2 B2
44 45 A3 B3
46 47 A4 B4
48 2 G
3 4 3.3
SD 3.3 DC
SC G Sby En
CK BT Vb G

OSHW ID: US002140
OSHW
pico-ice Rev3
G Vb BT CK
J4
U2
U1
SJ2
SJ4
U4
RP PMOD
iCE PMOD
RP-iCE PMOD
U8
U5

xx