tiny SoM Developer Kit

v3.0

Pod B

Pod A

tinyvision.ai

R16
R15
R27 R26
R14
R13
R36
C17 C7
C13
C15
A3
DONE
5V
3.3V
VDD4
1.2V VDD3 1.8V
FT_EN
JTGEN
60M
P1V8

DATA
J1
J4
J9
SCL
SDA
C1
T86 T85
C49
C139
U12
C143
C52
C50 C56
C53 C55
Q5
R22
RN3
U11
R49
C57
R87
C144
Y4
FB15
R4
R6
R8
R10
R34
T2
T3
T1
U13 T4
U10
R25 R19
C12 C11 R24 R21
C16 C10 C9
U5 C71 FB4
D7
DEBUG
J20
J17
R30 C47 C48

J6
J12
Y1
U2
C3
J13
R31
C2
R28 R23
P1
JTAG
TP1
C4 CK2
CKSEL
CK1
J10

SW3
J5
J21

J14
P1V8 GND SIO1 SIO0
GND SIO3 SIO2 PROGn A3

J19
VD4 VD2 3.3V 5V
VD1 GND F1 B1 G1 Done IRQ
1.8AO GND A_INT A_OUT EN AO5V
J15
G SDA SCL 5 6 7
J8

SW1
SW2
J11
AON ON
1.8V 1.2V
J16
FT RST

VDD2
VDD1
J7
1.8V 3.3V

GPIO

J2
J3

C14 R35
R33 C8
R32
P2

U3

U4
C6
T22
R88
C5
R17
U15
C5
1A
FB9 FB11

Q3 Q4
D2
U1
U8
R12 R11
D4
D8
Q1
Q2
T5

J18
P1V8 AON
P1V8D
PVDD_1
PVDD_3

PCB Edge

BH4
R16
J1

R15
BH2
J4

R27 R26
Q3 Q4
D2
U1
D4

J6

R14
R18
U8
C17 C7
R12
R11
R36
C49 C130
C1
J9

C48

J12
C13
D8
C15
R2
D6
D5
R18
D1
R1
D3
R3

Q5
R21
RN3
C108
C56
C52
C50

C47

R30
J17

Y1
U2
C3
J13
2 6
1 5

Q1 Q2

R32
C32
R33
C14
C33

1 59
2 60
J2

BH5

U11
C57

R4
C144

R44
R87

C55 C54 C83
C53 C51 C81
FB15 FB9

R6
R34

U10
R25
R24
U13
R19
C10 C9
R221

R8
C12 C11

R10

1 59
2 60
J3

U15
R20 C71 FB4
C16
D7
J11
J16

R17
C5
SW1

SW2

R88
C6

J5
J21
SW3
J19
J18

TP1
C4

5 1
J10
6 2

11 1
J14
12 2

11 1
J15
12 2

11 1
J8
12 2

5 1
J7
6 2

J20

J11

BH3

BH1

ASSEMBLY TOP