



1

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3

**MICROCHIP**

**ETHERCAT**

**U4**

**SAMA5D2-ICP** rev.2  
INDUSTRIAL CONNECTIVITY PLATFORM

**WIFI/BLE**

U24  
GND  
PC25  
PC3  
PC30  
PCIOB6  
PCIOB5  
PCIOB4  
PCIOB2

**mikro BUS**  
J21  
AN  
RST  
CS  
SCK  
MISO  
MOSI  
+3.3V  
GND

**mikro BUS**  
J22  
AN  
RST  
CS  
SCK  
MISO  
MOSI  
+3.3V  
GND

**mikro BUS**  
J23  
AN  
RST  
CS  
SCK  
MISO  
MOSI  
+3.3V  
GND

5V DC START  
SW3  
SW4  
SW1  
SW2

J11 Ethernet port 1

J11

J12 Ethernet port 2

J12

J10 Gigabit Ethernet

J10

J19 DISABLE J-LINK  
J20 DISABLE J-LINK  
J17 ERASE

J16 JLINK

J15  
J18

USB suspend  
USB  
J6

USB1  
USB2  
USB3  
USB4

USER\_PB1  
DIS\_BOOT  
USER\_PB2

SW4  
SW2  
SW5  
SW6

JMLC activity  
GND  
GP1017  
GP1018  
GP1019  
GP1020  
GP100  
GP1021  
3V3

J14 port-B

J14

J13 port-A

J13

J4

J20

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