

The diagram illustrates the Mosaic-X5 system architecture, centered around a main module with pins A1 through A22 and GND. The system is composed of several interconnected modules:

- Power:** Includes a 3.3V regulator (C7) and a 10µF capacitor (C24). It also shows connections for VDD_3V3, VDD_1V8, and VDD_0V.
- UIM MOSAIC-X5:** Contains modules for SD1, SD2, SD3, and SD4, each with its own set of pins (A1-A4, A5-A8, A9-A12, A13-A16).
- U1Q MOSAIC-X5:** A central module with pins A17-A22 and GND. It includes a 10µF capacitor (C24) and a 3.3V regulator (C7).
- U1E MOSAIC-X5:** Includes a CPU JTAG module (C13) and a USB device module (C14).
- U1F MOSAIC-X5:** Includes a USB host module (C15) and a USB device module (C16).
- U1B MOSAIC-X5:** Includes a Greco MFP module (C17) and a Greco JTAG module (C18).
- U1A MOSAIC-X5:** Includes an Antenna module (C19) and a Greco Timing module (C20).
- U1C MOSAIC-X5:** Includes a Greco Timing module (C21) and a Greco JTAG module (C22).
- U1D MOSAIC-X5:** Includes a Greco JTAG module (C23) and a Greco Timing module (C24).
- U1J MOSAIC-X5:** Includes a Greco Timing module (C25) and a Greco JTAG module (C26).
- U1K MOSAIC-X5:** Includes a Cam module (C27) and a Greco Timing module (C28).
- U1L MOSAIC-X5:** Includes a Greco Timing module (C29) and a Greco JTAG module (C30).
- U1M MOSAIC-X5:** Includes a Greco Timing module (C31) and a Greco JTAG module (C32).
- U1N MOSAIC-X5:** Includes a Greco Timing module (C33) and a Greco JTAG module (C34).
- U1O MOSAIC-X5:** Includes a Greco Timing module (C35) and a Greco JTAG module (C36).
- U1P MOSAIC-X5:** Includes a Greco Timing module (C37) and a Greco JTAG module (C38).
- U1Q MOSAIC-X5:** Includes a Greco Timing module (C39) and a Greco JTAG module (C40).
- U1R MOSAIC-X5:** Includes a Greco Timing module (C41) and a Greco JTAG module (C42).
- U1S MOSAIC-X5:** Includes a Greco Timing module (C43) and a Greco JTAG module (C44).
- U1T MOSAIC-X5:** Includes a Greco Timing module (C45) and a Greco JTAG module (C46).
- U1U MOSAIC-X5:** Includes a Greco Timing module (C47) and a Greco JTAG module (C48).
- U1V MOSAIC-X5:** Includes a Greco Timing module (C49) and a Greco JTAG module (C50).
- U1W MOSAIC-X5:** Includes a Greco Timing module (C51) and a Greco JTAG module (C52).
- U1X MOSAIC-X5:** Includes a Greco Timing module (C53) and a Greco JTAG module (C54).
- U1Y MOSAIC-X5:** Includes a Greco Timing module (C55) and a Greco JTAG module (C56).
- U1Z MOSAIC-X5:** Includes a Greco Timing module (C57) and a Greco JTAG module (C58).
- U2 MOSAIC-X5:** Includes a Greco Timing module (C59) and a Greco JTAG module (C60).
- U3 MOSAIC-X5:** Includes a Greco Timing module (C61) and a Greco JTAG module (C62).
- U4 MOSAIC-X5:** Includes a Greco Timing module (C63) and a Greco JTAG module (C64).
- U5 MOSAIC-X5:** Includes a Greco Timing module (C65) and a Greco JTAG module (C66).
- U6 MOSAIC-X5:** Includes a Greco Timing module (C67) and a Greco JTAG module (C68).
- U7 MOSAIC-X5:** Includes a Greco Timing module (C69) and a Greco JTAG module (C70).
- U8 MOSAIC-X5:** Includes a Greco Timing module (C71) and a Greco JTAG module (C72).
- U9 MOSAIC-X5:** Includes a Greco Timing module (C73) and a Greco JTAG module (C74).
- U10 MOSAIC-X5:** Includes a Greco Timing module (C75) and a Greco JTAG module (C76).
- U11 MOSAIC-X5:** Includes a Greco Timing module (C77) and a Greco JTAG module (C78).
- U12 MOSAIC-X5:** Includes a Greco Timing module (C79) and a Greco JTAG module (C80).
- U13 MOSAIC-X5:** Includes a Greco Timing module (C81) and a Greco JTAG module (C82).
- U14 MOSAIC-X5:** Includes a Greco Timing module (C83) and a Greco JTAG module (C84).
- U15 MOSAIC-X5:** Includes a Greco Timing module (C85) and a Greco JTAG module (C86).
- U16 MOSAIC-X5:** Includes a Greco Timing module (C87) and a Greco JTAG module (C88).
- U17 MOSAIC-X5:** Includes a Greco Timing module (C89) and a Greco JTAG module (C90).
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- U21 MOSAIC-X5:** Includes a Greco Timing module (C97) and a Greco JTAG module (C98).
- U22 MOSAIC-X5:** Includes a Greco Timing module (C99) and a Greco JTAG module (C100).
- U23 MOSAIC-X5:** Includes a Greco Timing module (C101) and a Greco JTAG module (C102).
- U24 MOSAIC-X5:** Includes a Greco Timing module (C103) and a Greco JTAG module (C104).
- U25 MOSAIC-X5:** Includes a Greco Timing module (C105) and a Greco JTAG module (C106).
- U26 MOSAIC-X5:** Includes a Greco Timing module (C107) and a Greco JTAG module (C108).
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- U70 MOSAIC-X5:** Includes a Greco Timing module (C195) and a Greco JTAG module (C196).</

Voltage regulator

Antennas

MicroUSB

Raspberry Pi connector

PPS & Events

Connectors