Arduino Carrier Card

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Avnet Engineering Services

01 - Avnet Lead Sheet_B.SchDoc

Arduino Carrier Card

B
**LP PMOD - MCU I/O**

- P1: VCC
- P2: GND
- P3: DCC SCL
- P4: DCC SDA
- P5: PMOD LP D4
- P6: PMOD LP D3
- P7: PMOD LP D2
- P8: PMOD LP D1
- GND

**PS PMOD - MicroZed PS**

- P1: VCC
- P2: GND
- P3: DCC SCL
- P4: DCC SDA
- P5: PMOD D4
- P6: PMOD D3
- P7: PMOD D2
- P8: PMOD D1
- GND

**PL PMOD - MicroZed PL**

- P1: VCC
- P2: GND
- P3: DCC SCL
- P4: DCC SDA
- P5: PMOD D4
- P6: PMOD D3
- P7: PMOD D2
- P8: PMOD D1
- GND

**LP PMOD PWR SELECT**

- VIN_HDR
- DNP
- R36

**PS PMOD PWR SELECT**

- VIN_HDR
- Default: AREF = 3.3V

**FRDM-KL25/46Z CONNECTORS**

- UART0_RXD
- UART0_TXD
- INT_MZ_MCU
- VCC
- GND

**ARDUINO SHIELD CONNECTORS**

- Default: 5VVin. For +3.3V operation: remove R35 and place R36.
SOM POWER CONTROL

VREF = ~0.77V

5V to 3.3V SMPS 3.5 Amps

5V to 3.3V LDO 500mA

Low Power Sleep VREG

Optional - DC in Jack

Power IN - Type B MicroUSB

Mechanicals:

Additional BOM Items (Inert, No Routing):

PCB Mounting Holes