

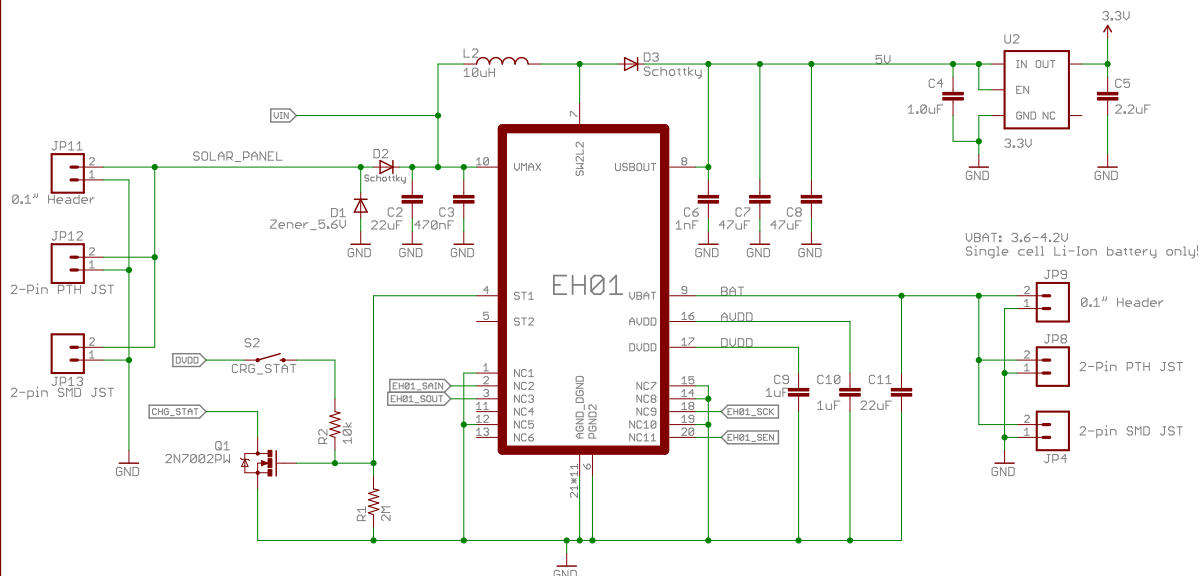
VIN must be 4.5-5.5u, if battery charger is used

USB-MICROB-REV

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AP2112K-3.3V
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Iout (max): 600mA
Vin (max): 6.5V
Vdrop (max): 250mV
Iq: 55uA

```

[illegible]

The diagram illustrates the wiring of the Cortex Debug/Program Connector to the Arduino R3 Headers. The connections are as follows:

- Cortex Debug/Program Connector (JP6):**
 - Pin 1: 3.3V
 - Pin 2: SWDIO
 - Pin 3: SWCLK/TCK
 - Pin 4: SWCLK
 - Pin 5: GND
 - Pin 6: SWD/TDO
 - Pin 7: KEY
 - Pin 8: NC/TDI
 - Pin 9: GNDTCT
 - Pin 10: NRESET
 - Pin 11: RESET
- Arduino R3 Headers (JP7):**
 - Pin A0: SWDIO
 - Pin A1: SWCLK
 - Pin A2: SWCLK
 - Pin A3: SWD/TDO
 - Pin A4: KEY
 - Pin A5: NC/TDI
 - Pin D0: GNDTCT
 - Pin D1: NRESET
 - Pin D2: RESET
 - Pin D3: 3.3V
 - Pin D4: VIN
 - Pin D5: IOREF
 - Pin D6: RESET
 - Pin D7: VIN
 - Pin D8: 5V
 - Pin D9: AREF
 - Pin D10: GND
 - Pin D11: SDA
 - Pin D12: SCL
 - Pin D13: GND
 - Pin D14: GND
 - Pin D15: GND
- Miscellany Pin Breakouts (JP5):**
 - Pin 1: SWDIO
 - Pin 2: SWCLK
 - Pin 3: PB22
 - Pin 4: PM13
 - Pin 5: SWDIO
- Arduino R3 Headers (JP10):**
 - Pin 1: SWDIO
 - Pin 2: SWCLK
 - Pin 3: PB22
 - Pin 4: PM13
 - Pin 5: SWDIO

REV:
v10

Sheet: 1/1

