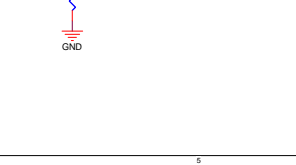
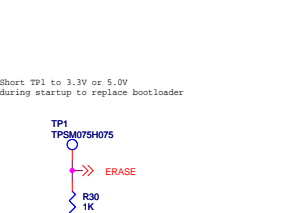
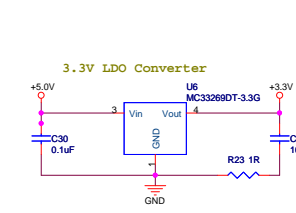
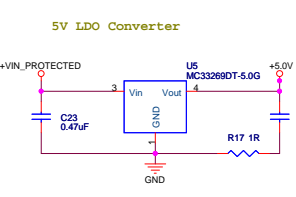
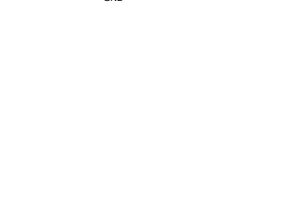
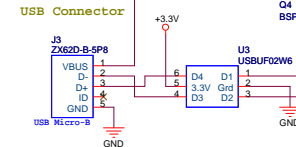
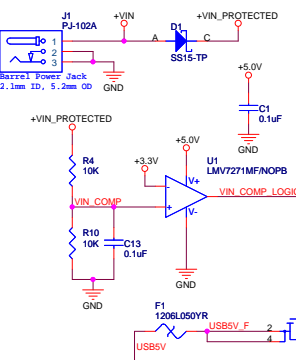
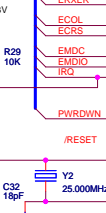
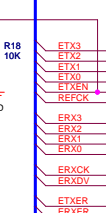
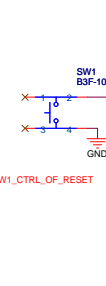


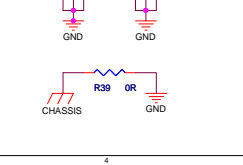
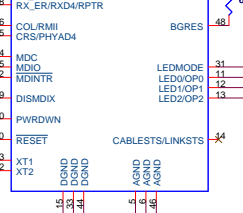
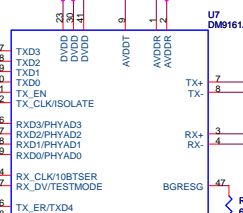
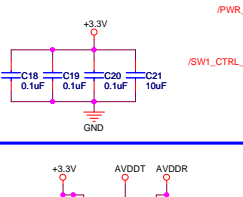
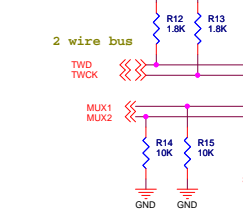
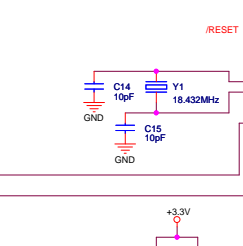
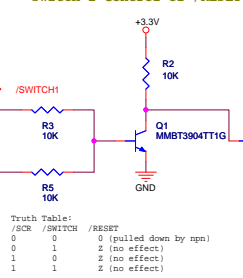
**Power Connector**  
+7.5V to +12V DC Input (9V Preferred)  
If +VIN exists, all rails driven by +VIN  
If +VIN not present, all rails driven by USB Power



**Push Button**

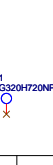
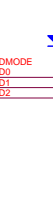
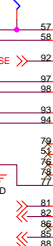


**Selection Circuitry for Switch 1 Control of /RESET**

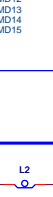
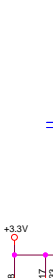


**Truth Table**

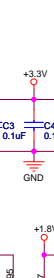
| /RST | /SW1_CTRL_OF_RESET |
|------|--------------------|
| 0    | 0                  |
| 1    | 1                  |
| 1    | 1                  |



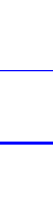
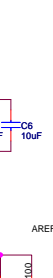
**2 wire bus**



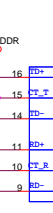
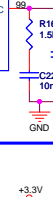
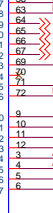
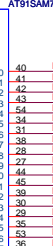
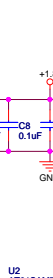
**512KB Flash**



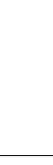
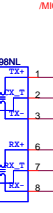
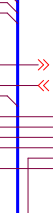
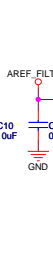
**128KB Ram**



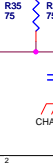
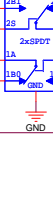
**LED**



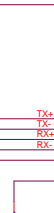
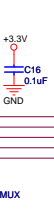
**Digital Connector 1**



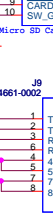
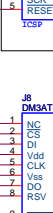
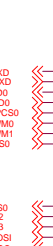
**Digital Connector 2**



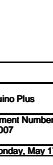
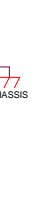
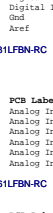
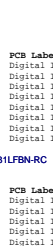
**Analog Input Connector**



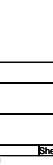
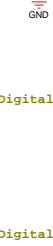
**Power Connector**



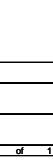
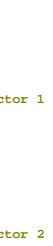
**ICSP Connector**



**Micro SD Card Slot**



**Ethernet**



Short TP1 to 3.3V or 5.0V during startup to replace bootloader