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Subject: RFID Reader

Posted by [BobSmith](#) on Sat, 11 Apr 2020 01:12:07 GMT

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Add an SPI based RFID reader.

The card should fit nicely into a double size card (3.8x1.875 in). Several parts are available in the 13 MHz band. Either the AT88RF1354-ZU or the MFRC52201HN1,157 might be a good choice. Both parts have an interrupt pin that indicates that a data byte is ready. The circuit should mux this pin onto the MISO pin when the SPI select is not selected. This means that the generic ESPI peripheral could be used without any custom Verilog. The driver would be notified of an interrupt pending and have to query the chip for the new data.

Cards similar to the one envisioned include:

<https://www.adafruit.com/product/364>

<https://www.digikey.com/products/en?mpart=U031&v=2221>

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