#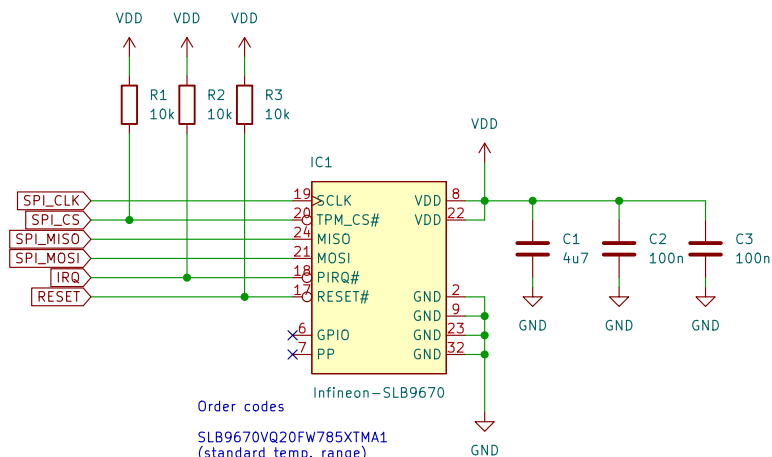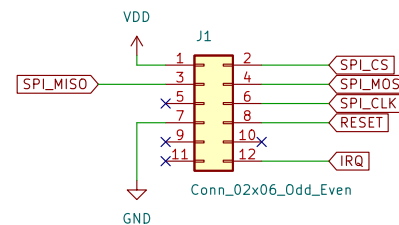 UNTESTED — COMES WITH NO WARRANTIES OR PROMISES THIS MIGHT KILL YOUR COMPUTER AND SET YOUR HOUSE ON FIRE, YOU HAVE BEEN WARNED.

VDD

J1

1 2 SPI_CS
3 4 SPI_MOSI
SPI_MISO 5 6 SPI_CLK
7 8 RESET
9 10
11 12 IRQ

GND

Conn_02x06_Odd_Even

VDD VDD VDD

R1 R2 R3
10k 10k 10k

IC1

VDD

19 SCLK VDD 8
20 TPM_CS# VDD 22
SPI_CLK
SPI_CS
SPI_MISO 24 MISO
SPI_MOSI 21 MOSI
IRQ 18 PIRQ#
RESET 17 RESET# GND 2
GND 9
6 GPIO GND 23
7 PP GND 32

C1 C2 C3
4u7 100n 100n

GND GND GND

GND

Infineon-SLB9670

Order codes

SLB9670VQ20FW785XTMA1
(standard temp. range)

SLB9670XQ20FW785XUMA1
(extended temp. range)

11				1		
12				2		

1	SPI Power	2	SPI Chip Select
3	Master In Slave Out (SPI Data)	4	Master In Slave In (SPI Data)
5	Reserved	6	SPI Clock
7	Ground	8	SPI Reset
9	Reserved	10	No Pin
11	Reserved	12	Interrupt Request

Pinout taken from the user manual for MSI MAG B550M MORTAR WIFI/ MAG B550M MORTAR motherboard

Sheet: /
File: tpm-module-12pin-spi-RevA1.kicad_sch

Title:

Size: A4 | Date: | **Rev:**
KiCad E.D.A. kicad (5.99.0-11126-gb532ecec52) | Id: 1/1