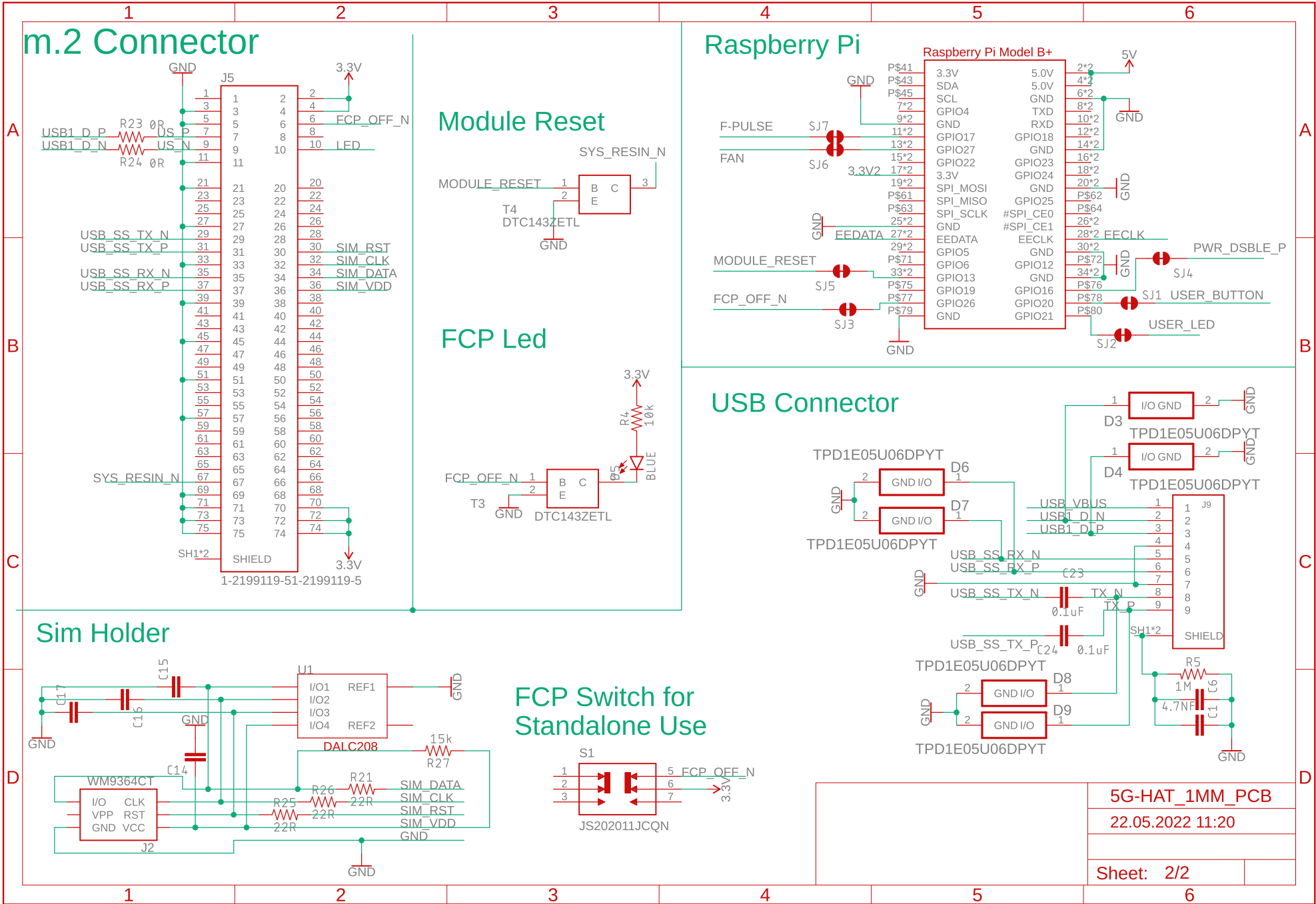
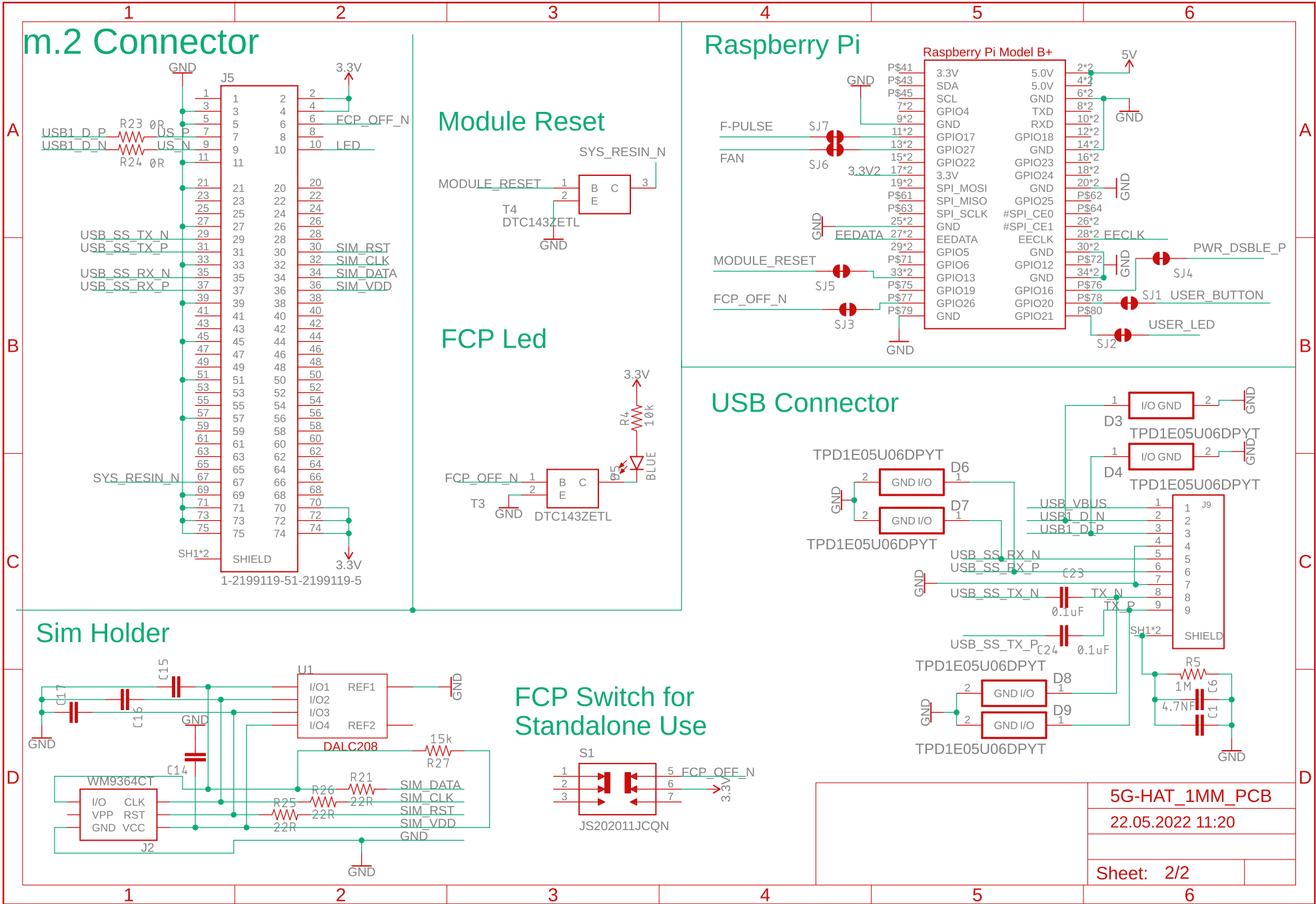
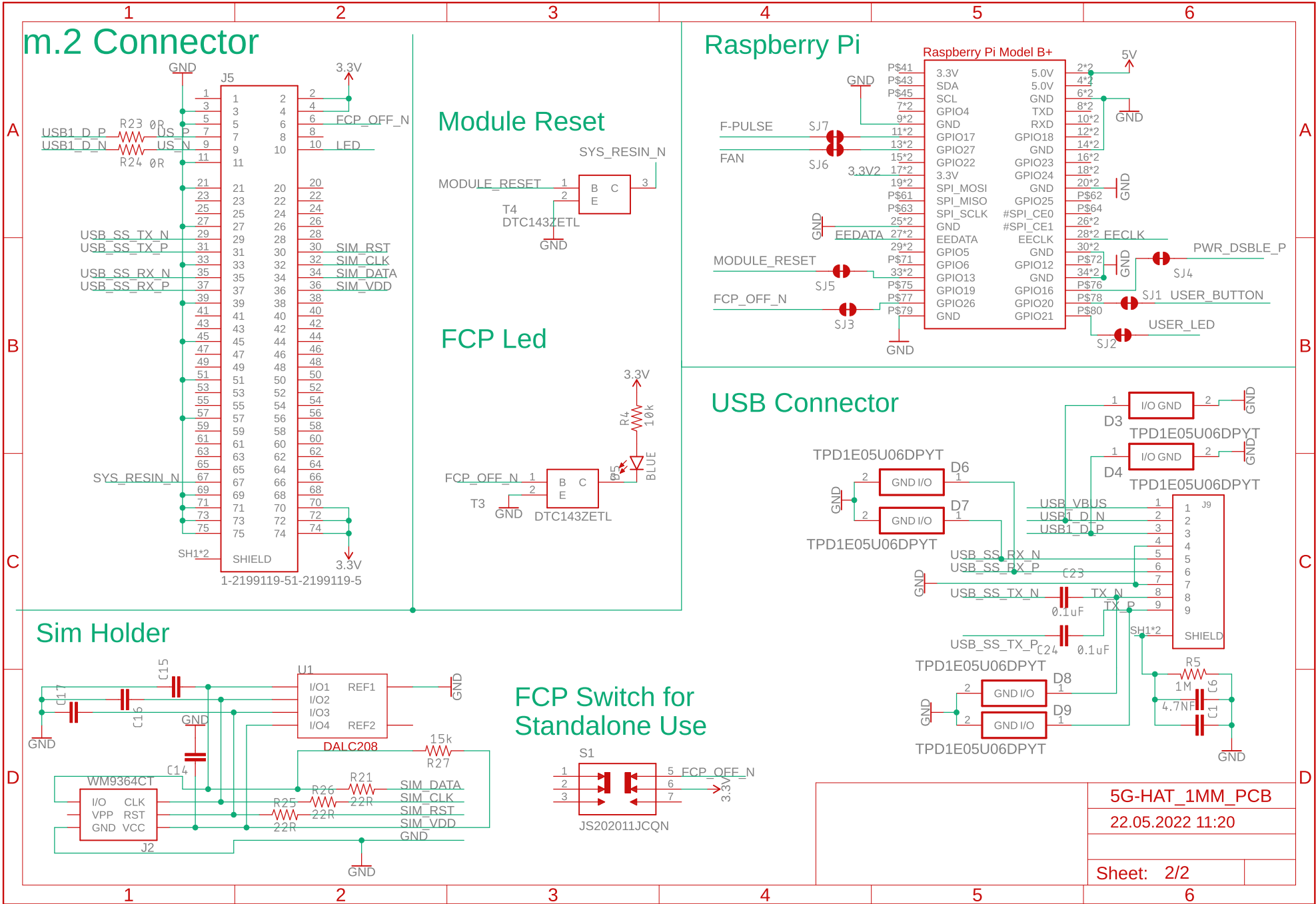




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### m.2 Connector

Pin connections for the m.2 connector (J5):

- 1: GND
- 2: 3.3V
- 3: FCP\_OFF\_N
- 4: LED
- 5: 3.3V
- 6: 3.3V
- 7: 3.3V
- 8: 3.3V
- 9: 3.3V
- 10: 3.3V
- 11: 3.3V
- 12: 3.3V
- 13: 3.3V
- 14: 3.3V
- 15: 3.3V
- 16: 3.3V
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- 25: 3.3V
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- 27: 3.3V
- 28: 3.3V
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- 34: 3.3V
- 35: 3.3V
- 36: 3.3V
- 37: 3.3V
- 38: 3.3V
- 39: 3.3V
- 40: 3.3V
- 41: 3.3V
- 42: 3.3V
- 43: 3.3V
- 44: 3.3V
- 45: 3.3V
- 46: 3.3V
- 47: 3.3V
- 48: 3.3V
- 49: 3.3V
- 50: 3.3V
- 51: 3.3V
- 52: 3.3V
- 53: 3.3V
- 54: 3.3V
- 55: 3.3V
- 56: 3.3V
- 57: 3.3V
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- 60: 3.3V
- 61: 3.3V
- 62: 3.3V
- 63: 3.3V
- 64: 3.3V
- 65: 3.3V
- 66: 3.3V
- 67: 3.3V
- 68: 3.3V
- 69: 3.3V
- 70: 3.3V
- 71: 3.3V
- 72: 3.3V
- 73: 3.3V
- 74: 3.3V
- 75: 3.3V

### Module Reset

Module Reset Circuit:

- Transistor: DTC143ZETL
- Base: Connected to MODULE\_RESET
- Emitter: Connected to GND
- Collector: Connected to SYS\_RESIN\_N

### FCP Led

FCP Led Circuit:

- Transistor: DTC143ZETL
- Base: Connected to FCP\_OFF\_N
- Emitter: Connected to GND
- Collector: Connected to 3.3V through a 10k resistor (R4)

### Raspberry Pi

Raspberry Pi Model B+ Pin Connections:

- 3.3V: Connected to 3.3V
- 5.0V: Connected to 5.0V
- SDA: Connected to SDA
- SCL: Connected to SCL
- GPIO4: Connected to TXD
- GPIO17: Connected to RXD
- GPIO27: Connected to GND
- GPIO22: Connected to GND
- 3.3V: Connected to 3.3V
- SPI\_MOSI: Connected to GND
- SPI\_MISO: Connected to GND
- SPI\_SCLK: Connected to #SPL\_CE0
- GND: Connected to GND
- EEDATA: Connected to EECLK
- GPIO5: Connected to GND
- GPIO6: Connected to GND
- GPIO13: Connected to GND
- GPIO19: Connected to GND
- GPIO26: Connected to GND
- GPIO21: Connected to GND

### USB Connector

USB Connector Pin Connections:

- 1: I/O GND
- 2: GND
- 3: I/O GND
- 4: GND
- 5: USB\_VBUS
- 6: USB\_D\_N
- 7: USB\_D\_P
- 8: USB\_SS\_RX\_N
- 9: USB\_SS\_RX\_P
- 10: USB\_SS\_TX\_N
- 11: USB\_SS\_TX\_P
- 12: TX\_N
- 13: TX\_P
- 14: SH1\*2
- 15: SHIELD

### Sim Holder

SIM Holder Pin Connections:

- I/O: Connected to I/O
- CLK: Connected to CLK
- VPP: Connected to VPP
- RST: Connected to RST
- GND: Connected to GND
- VCC: Connected to VCC

### FCP Switch for Standalone Use

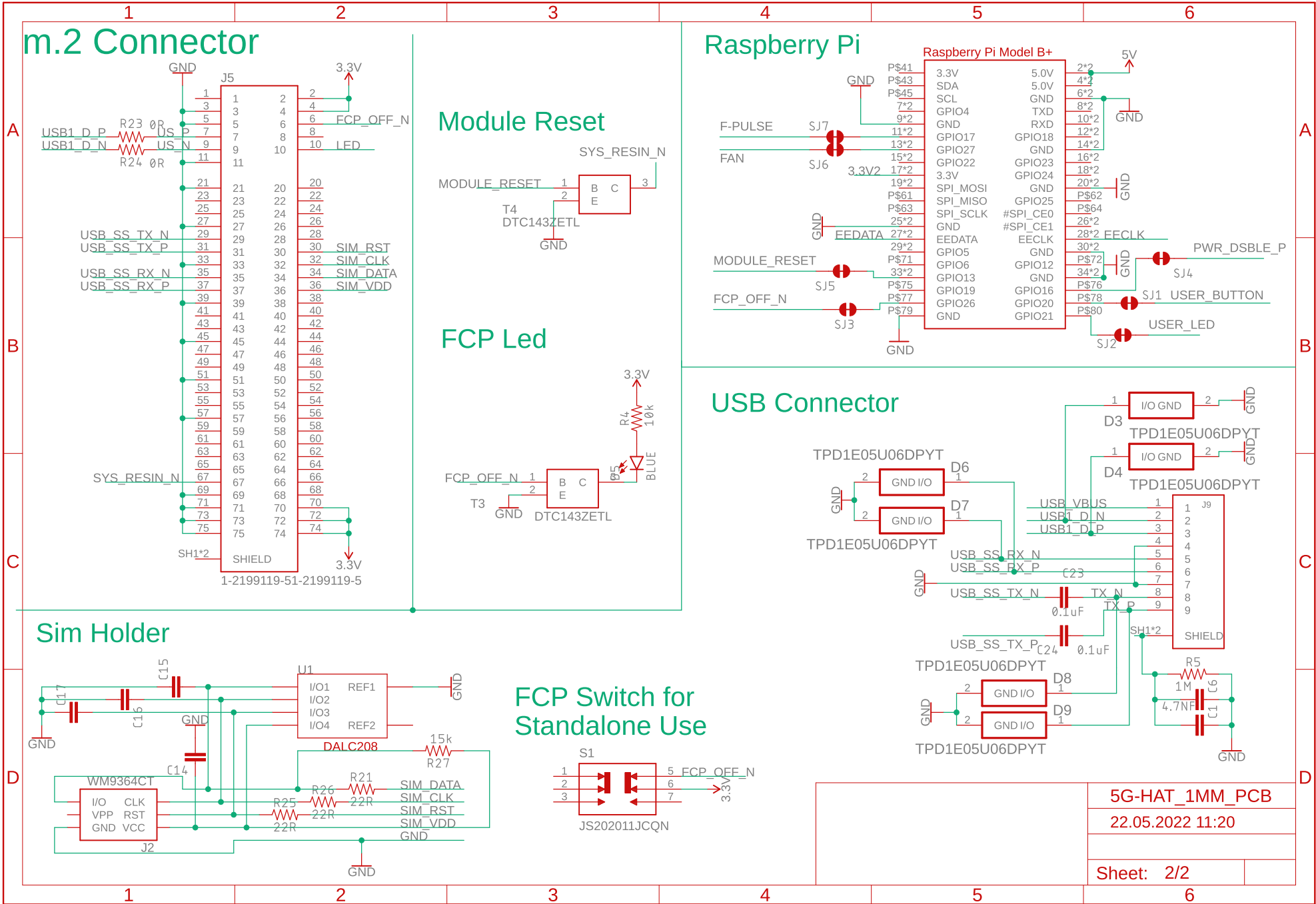
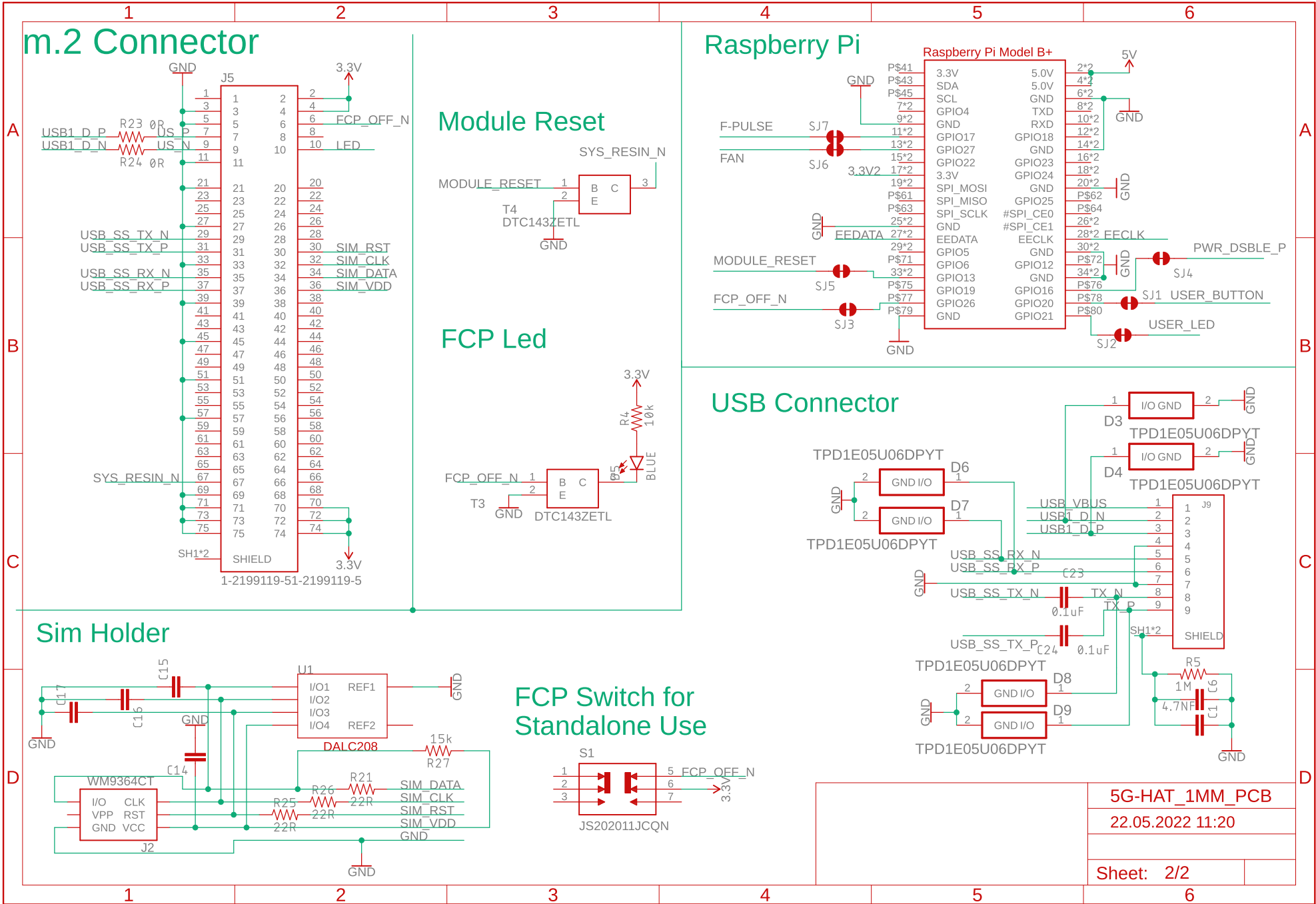
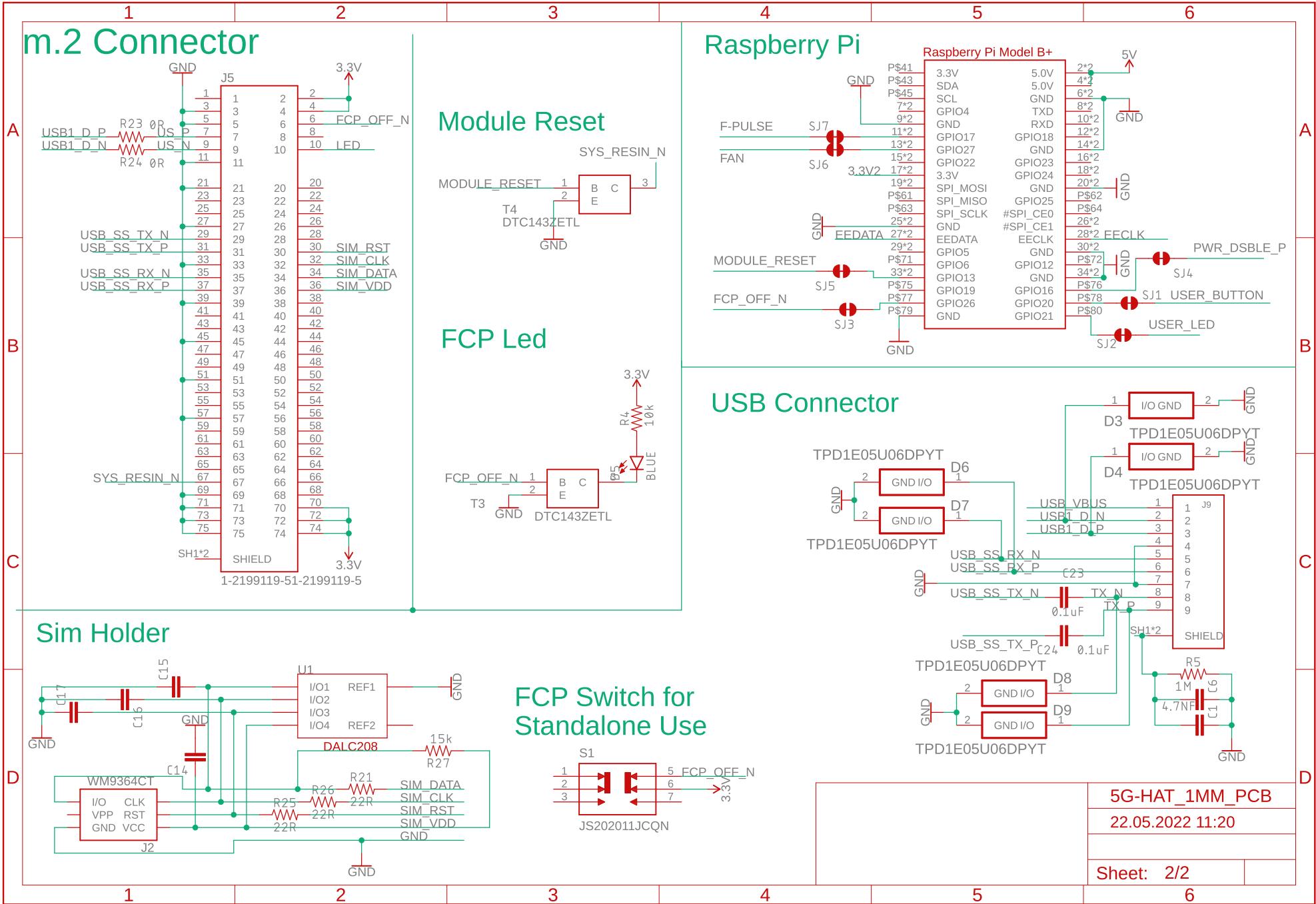
FCP Switch for Standalone Use:

- Transistor: JS202011JCQN
- Base: Connected to FCP\_OFF\_N
- Emitter: Connected to GND
- Collector: Connected to 3.3V

### 5G-HAT\_1MM\_PCB

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