

A

A

B

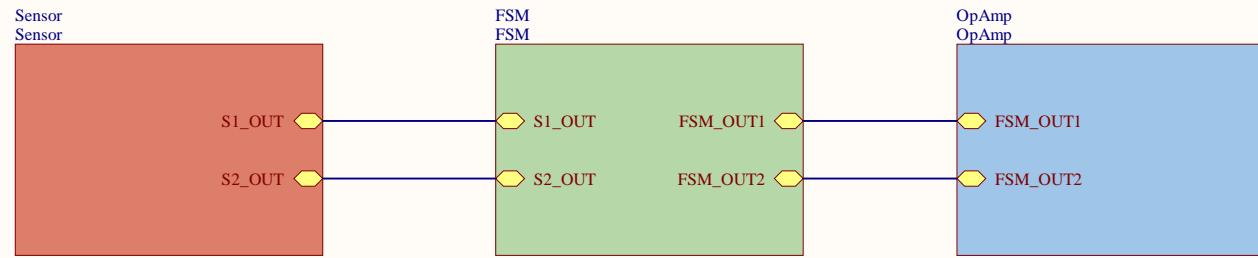
B

C

C

D

D



| Title | | |
|---------------------------------------|---------------|-----------|
| Size | Number | Revision |
| A4 | | |
| Date: 12/15/2025 | Sheet of 1 | |
| File: C:\myrepo\..\Overview.SchDoc | | Drawn By: |

A

A

B

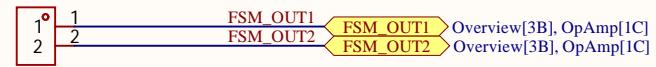
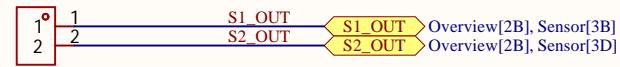
B

C

C

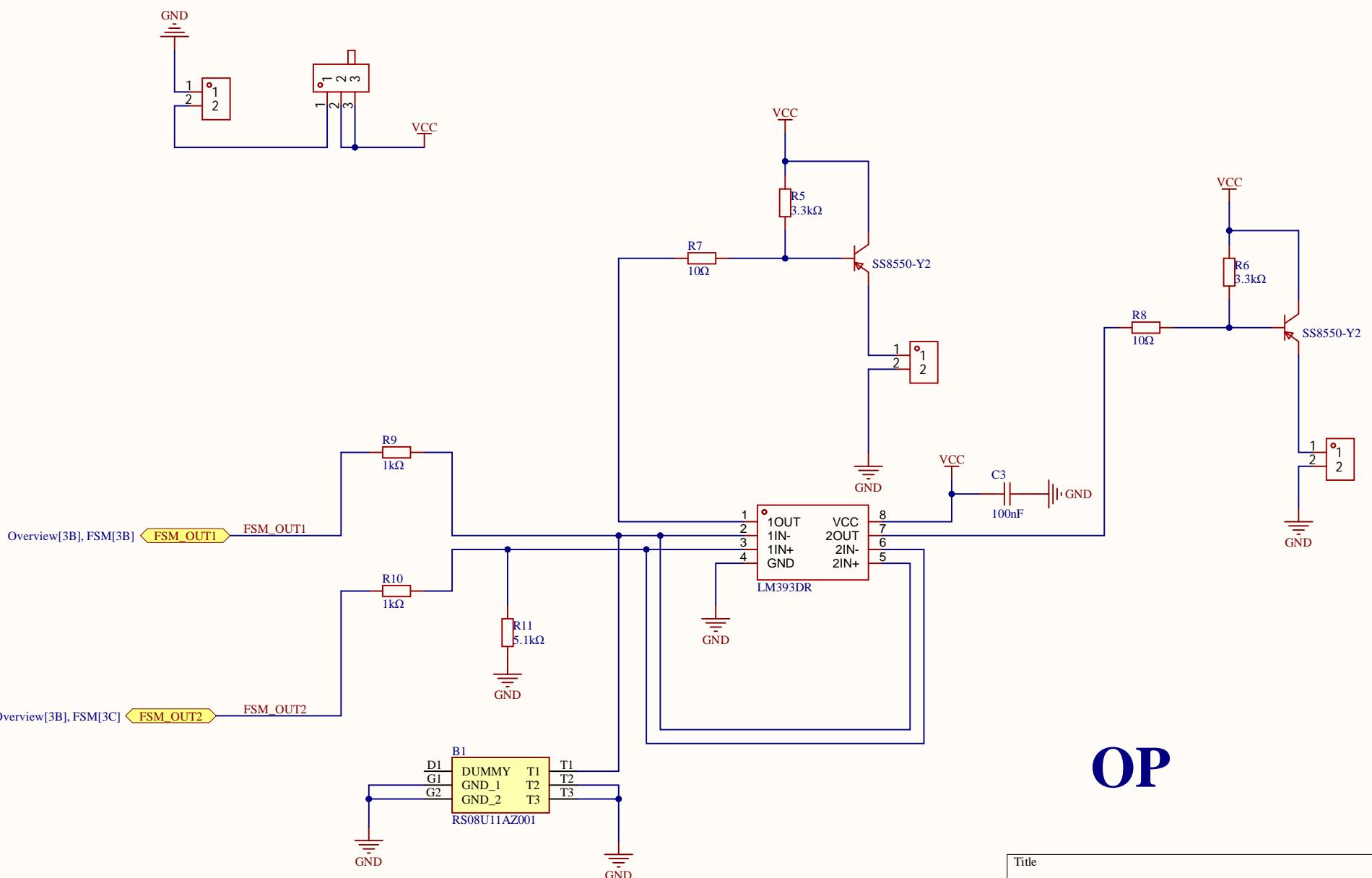
D

D



Input and Output of FSM

| Title | | |
|-------|------------------------|-----------|
| Size | Number | Revision |
| A4 | | |
| Date: | 12/15/2025 | Sheet of |
| File: | C:\myrepo..\FSM.SchDoc | Drawn By: |



| Title | | |
|------------------------------|----------|-----------|
| Size | Number | Revision |
| A4 | | |
| Date: 12/15/2025 | Sheet of | |
| File: C:\myrepo\OpAmp.SchDoc | | Drawn By: |

A

A

B

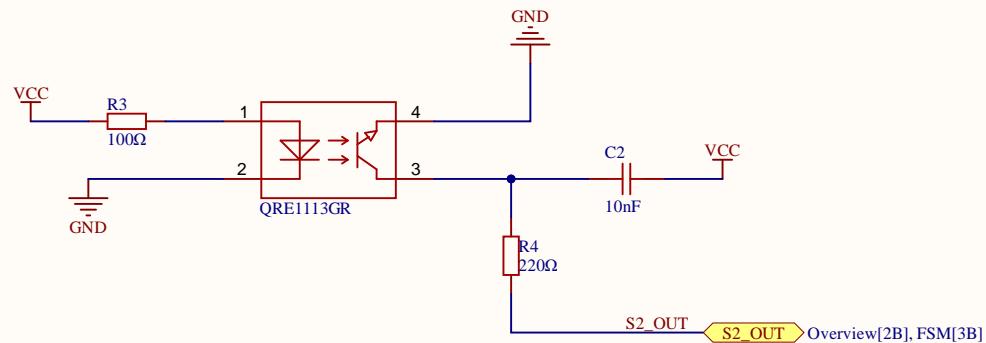
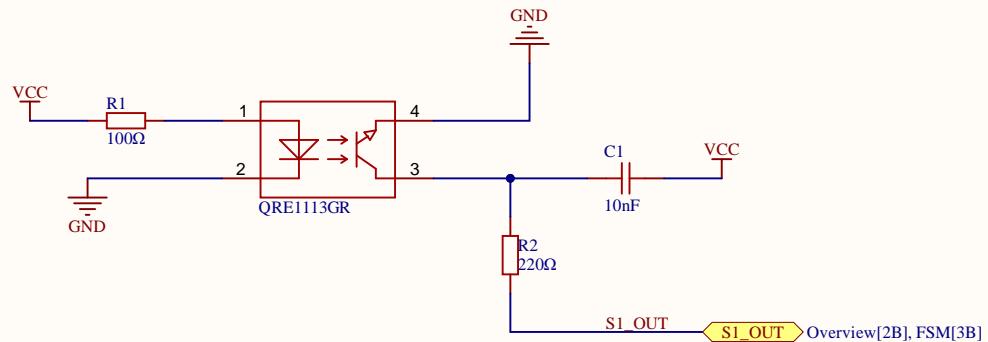
B

C

C

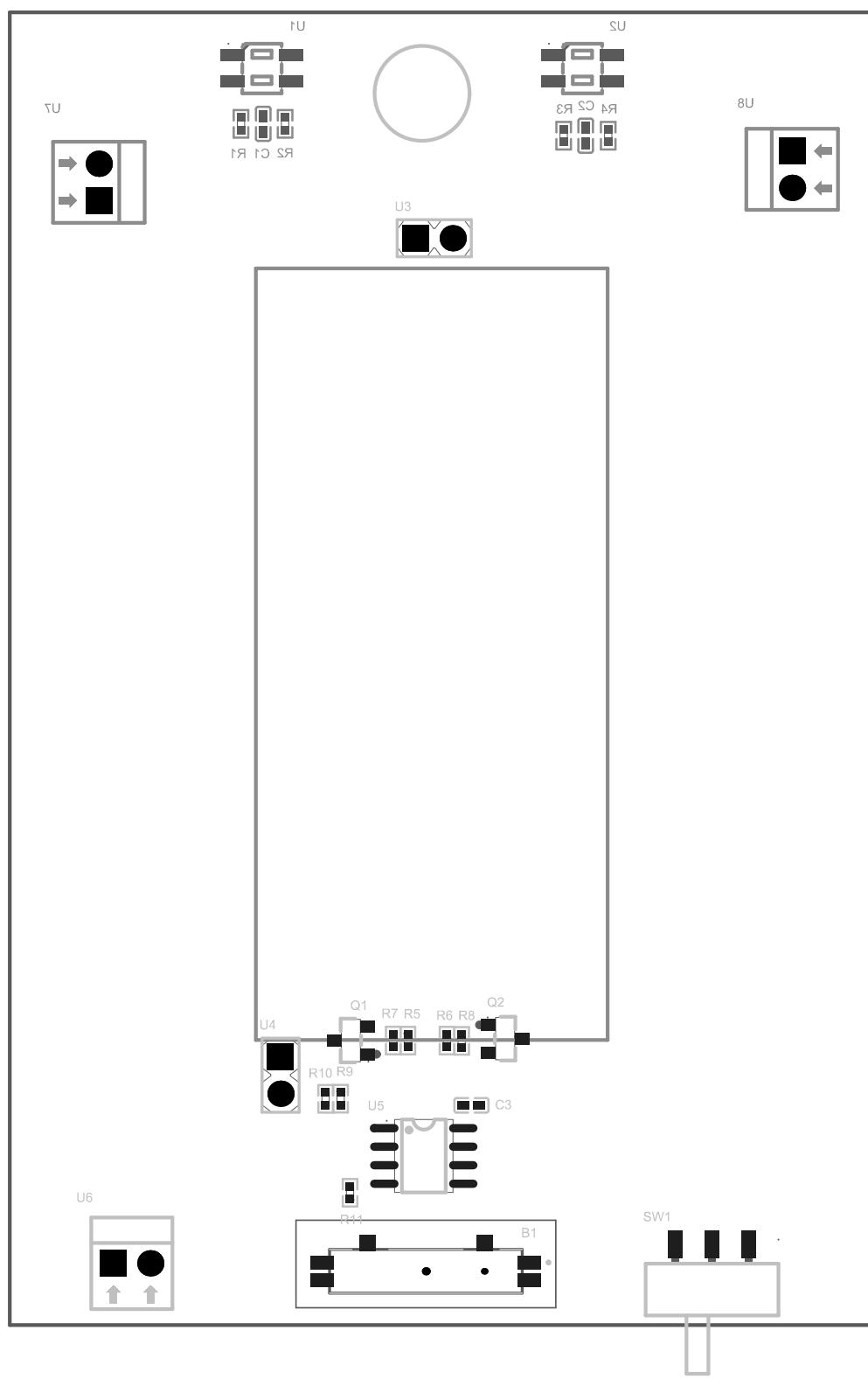
D

D



Digital Sensor

| Title | | |
|---------------------------------|----------|-----------|
| Size | Number | Revision |
| A4 | | |
| Date: 12/15/2025 | Sheet of | |
| File: C:\myrepo..\Sensor.SchDoc | | Drawn By: |



| Comment | Description | Designator | Footprint | LibRef | Quantity |
|---------------------------|---|------------|-------------------------------------|-------------------------------|----------|
| RS08U11AZ001 | Slide Potentiometers Vertical type, Travel 8mm, Lever length 1.3mm | B1 | RS08U11AZ001 | RS08U11AZ001 | 1 |
| 10nF | 50V 10nF X7R ±10% 0402 Ceramic Capacitors ROHS | C1, C2 | C0402 | 10nF | 2 |
| 100nF | 50V 100nF X7R ±10% 0402 Ceramic Capacitors ROHS | C3 | C0402 | 100nF | 1 |
| SS8550-Y2 | H _{dar} 200-350 PNP 电流:1.5A 电压:25V 该PNP 双极晶体管适用于 线性和开关应用。 此器件采用SOT-23 封装，适用于低功 率表面贴装应用。 | Q1, Q2 | SOT-23_L2.9-W1.3- P1.90-LS2.4-BR | SS8550-Y2 | 2 |
| 100Ω | 100Ω 62.5mW 50V ±100ppm/°C Thick Film Resistor ±1% 0402 Chip Resistor - Surface Mount ROHS | R1, R3 | R0402 | 100Ω | 2 |
| 220Ω | 小尺寸、重量轻。 降低组装成本,与贴 片机匹配。适用于 波峰焊和回流焊 | R2, R4 | R0402 | 220Ω | 2 |
| 3.3kΩ | 62.5mW 3.3kΩ 50V ±100ppm/°C Thick Film Resistor ±1% 0402 Chip Resistor - Surface Mount ROHS | R5, R6 | R0402 | 3.3kΩ | 2 |
| 10Ω | 10Ω 62.5mW 50V ±200ppm/°C Thick Film Resistor ±1% 0402 Chip Resistor - Surface Mount ROHS | R7, R8 | R0402 | 10Ω | 2 |
| 1kΩ | 1kΩ 62.5mW 50V ±100ppm/°C Thick Film Resistor ±1% 0402 Chip Resistor - Surface Mount ROHS | R9, R10 | R0402 | 1kΩ | 2 |
| 5.1kΩ | 5.1kΩ 62.5mW 50V ±100ppm/°C Thick Film Resistor ±1% 0402 Chip Resistor - Surface Mount ROHS | R11 | R0402 | 5.1kΩ | 1 |
| SK-3245S-L4-A | | SW1 | SW-SMD_SK-3245S-L4 A | SK-3245S-L4-A | 1 |
| ORE1113GR | ORE1113 由在塑料矩形盒体 中与兼容硅光电器 件并排封装的 940nm 发射极组成。采用 表面贴装和通孔选 项。 | U1, U2 | OPTO- SMD_ORE1113GR | ORE1113GR | 2 |
| HX PZ2.54-1x2P ZZ | | U3, U4 | HDR-TH_2P-P2.54-V- M-3 | HX PZ2.54-1x2P ZZ | 2 |
| LM393DR | LM393 商业级双通道差分 比较器 | U5 | LM393 | LM393DR | 1 |
| WJ500V-5.08-2P-13- 00A | 2.54 screw terminal | U6, U7, U8 | CONN-TH_DB125- 2.54-2P-GN | DORABO DB125-2.54- 2P-GN-S | 3 |