

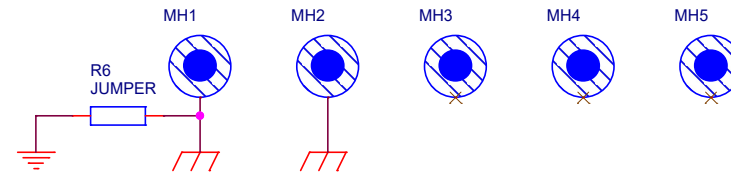
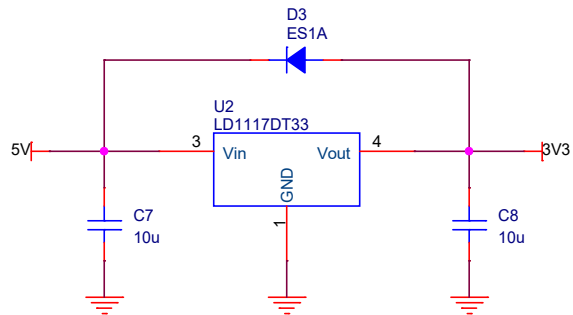
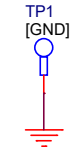
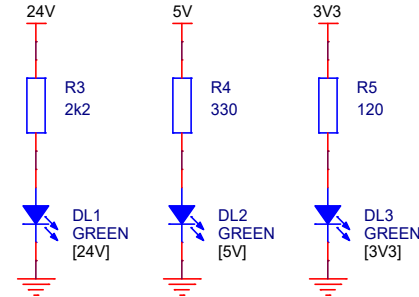
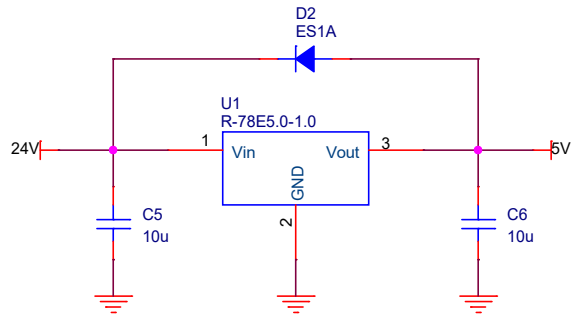
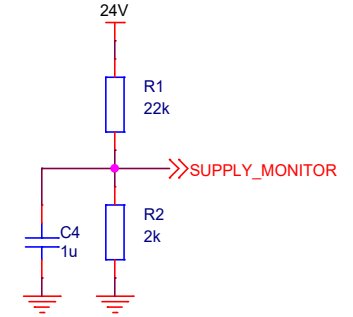
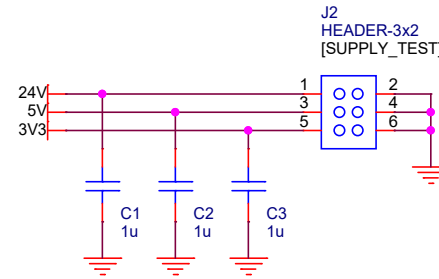
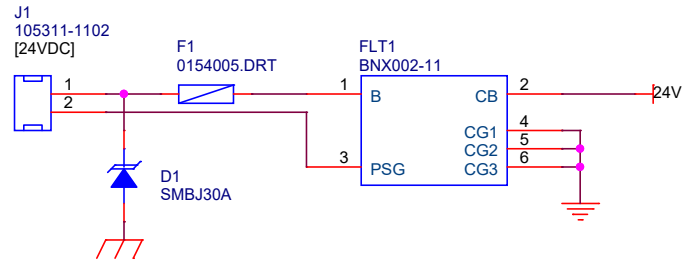
METALTRONICA S.p.a.

PCB/22-302-0

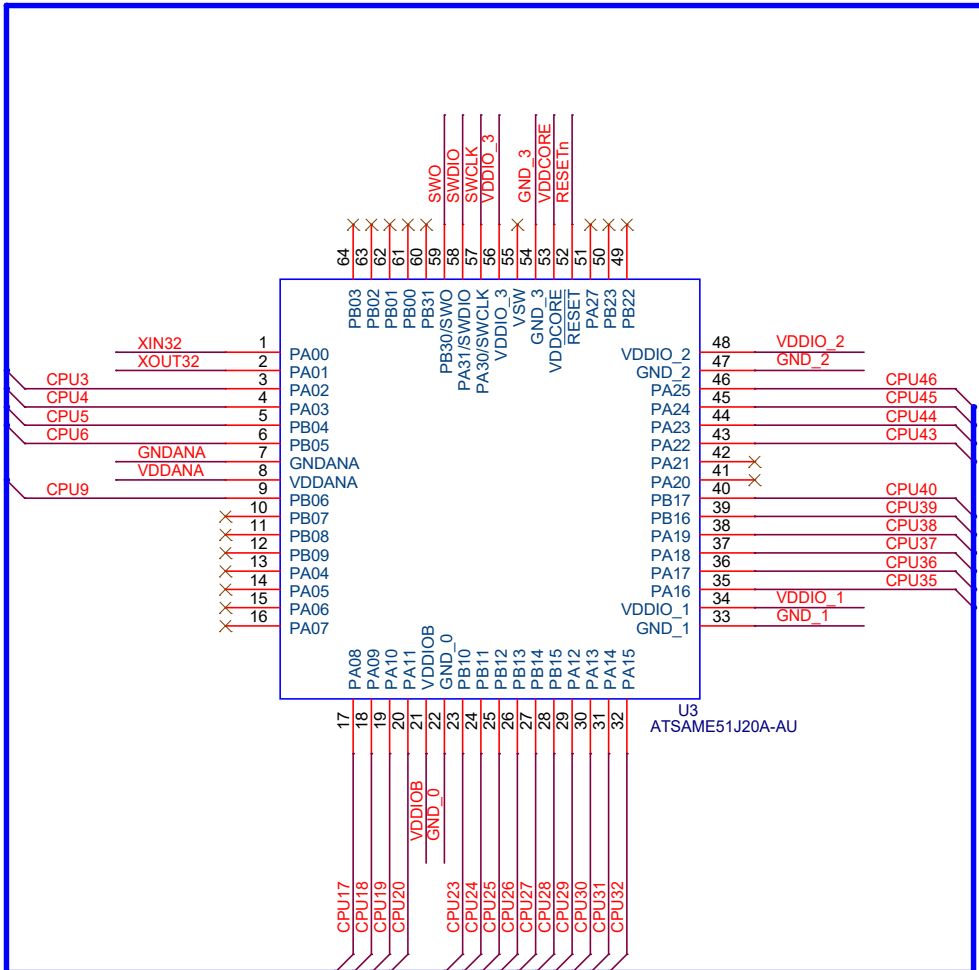
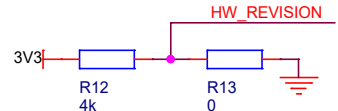
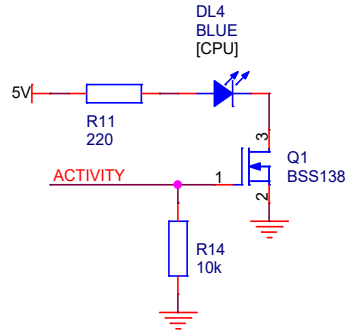
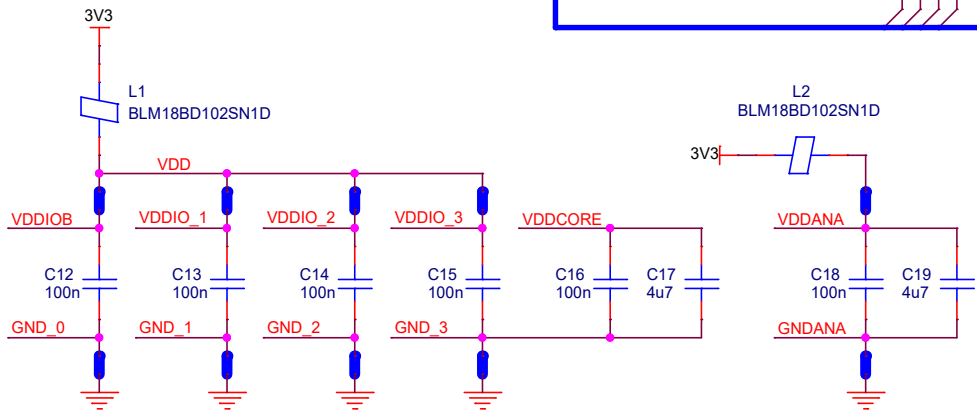
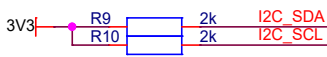
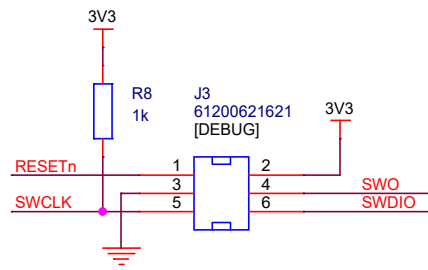
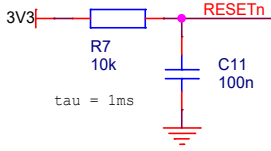
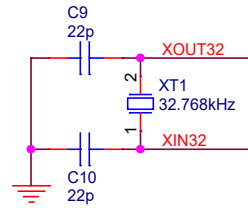
Scheda di controllo del compressore (DiMoBIS)

| Revisione | Data | Autore | Descrizione |
|-----------|------------|--------|--|
| 1 | 07/12/2022 | LN | - Prima emissione |
| 2 | 07/03/2023 | LN | - Sostituiti i diodi D4, D5, D6, D7, D8, D9, D11, D13, D14, D21, D22, D23, D24, D25, D26, D27, D28 con il part number SD05-01FTG. |
| 3 | 16/05/2023 | LN | <ul style="list-style-type: none">- Inserito R78 sulla net CURRENT SENSOR, nella pagina ANALOG- Inserito R79 in parallelo a C37, nella pagina MOTOR- Corretto il simbolo di U12- Invertite le net sui pin 1 e 2 di U12- Inserito il jumper J9 in parallelo all'uscita di U12, nella pagina MOTOR- Inserito D29 in parallelo a J7, nella pagina BRAKE- Disconnesso il pin 11 di U13 e U14 dalla net CALIBRATION_ENA, nella pagina SAFETY1- Inseriti D30 e R80 sull'ingresso di U16A, nella pagina SAFETY2- Modificato C37 con il valore 1uF- Modificato U2 con il part number LD1117DT33- Modificati U5, U7, U8, U9 con il part number TCMT1104- Modificati Q2, Q17 con il part number BSS84 |

| | | |
|-----------|-----------------------|---------------|
| Title | | |
| REVISIONS | | |
| Size | Document Number | Rev |
| A4 | PCB/22-302-0 | 3 |
| Date: | Tuesday, May 16, 2023 | Sheet 1 of 12 |

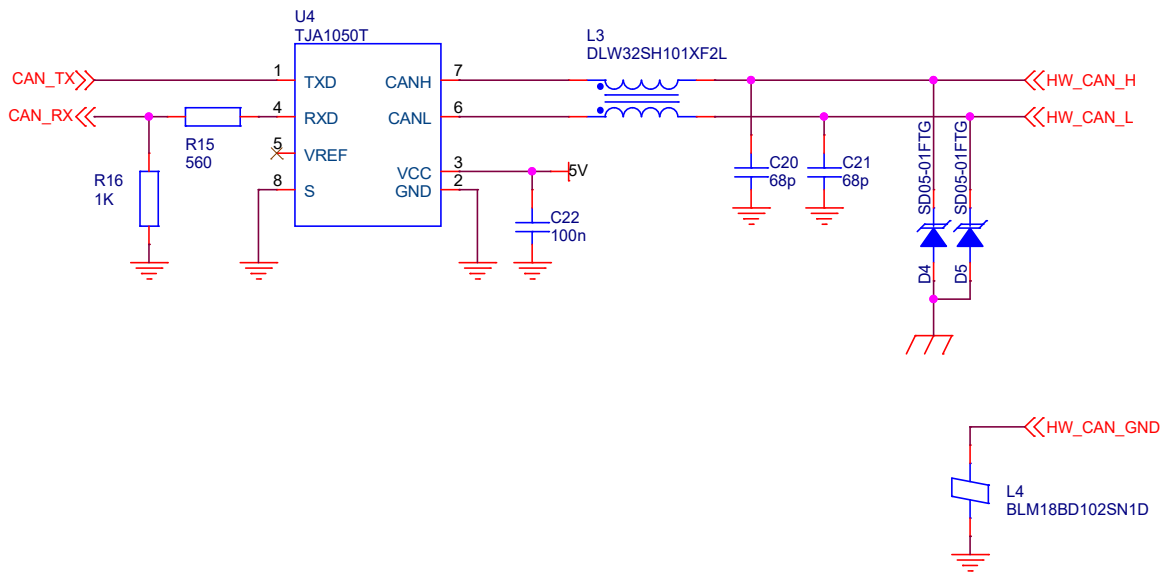


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|--------|-----------------------|---------------|
| Title | | |
| SUPPLY | | |
| Size | Document Number | Rev |
| A4 | PCB/22-302-0 | 3 |
| Date: | Tuesday, May 16, 2023 | Sheet 2 of 12 |

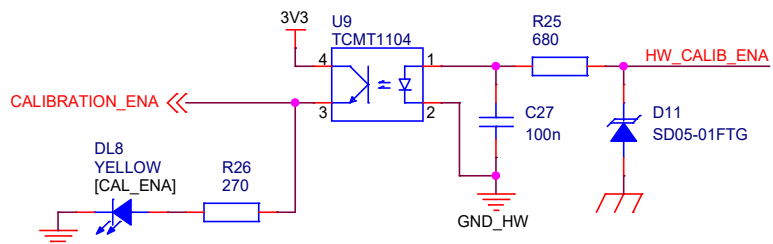
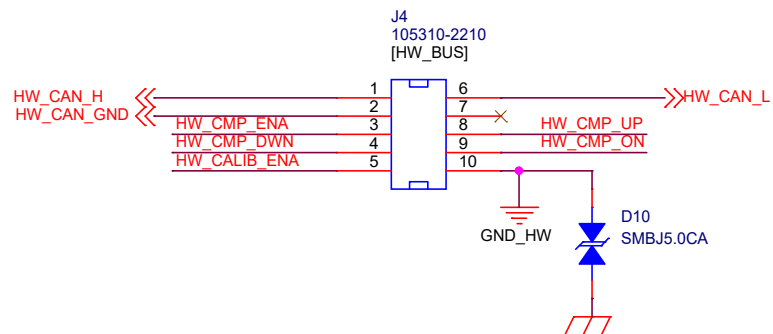
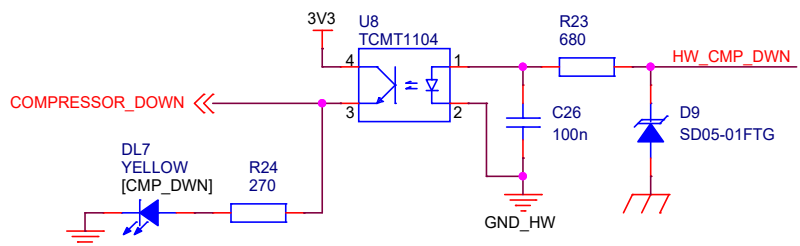
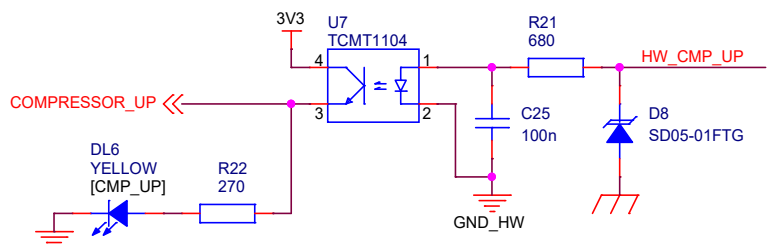
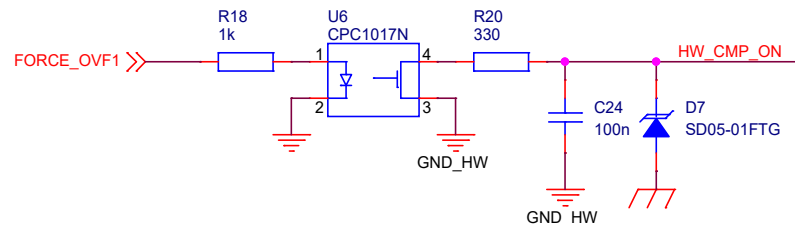
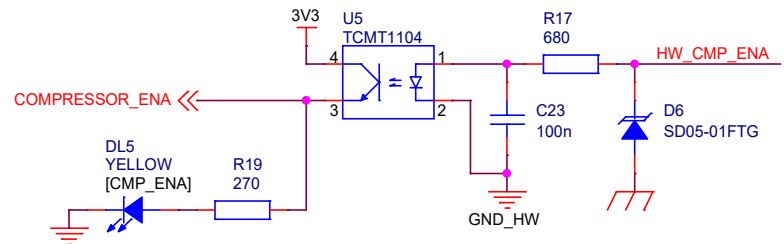


- CPU3 << SUPPLY_MONITOR
- CPU23 << COMPRESSOR_ENA
- CPU24 << COMPRESSOR_UP
- CPU25 << COMPRESSOR_DOWN
- CPU26 << CALIBRATION_ENA
- CPU17 << BRIDGE_IN1
- CPU18 << BRIDGE_IN2
- CPU19 << BRIDGE_ENB
- CPU20 << BRIDGE_ENB_FB
- CPU37 << BRAKE_OFF
- CPU38 << MOTOR_CUT
- CPU5 << CURRENT_SENSOR
- CPU6 << POSITION_SENSOR
- CPU9 << FORCE_SENSOR
- CPU30 << FORCE_OVF1
- CPU31 << FORCE_OVF2
- CPU32 << FORCE_OVF3
- CPU35 << CURRENT_OVF
- CPU27 << PADDLE_PRESENT
- CPU28 << PADDLE_UP
- CPU29 << PADDLE_DOWN
- CPU40 << UART_RX
- CPU39 << UART_TX
- CPU46 << CAN_RX
- CPU45 << CAN_TX
- CPU43 << I2C_SDA
- CPU44 << I2C_SCL
- CPU36 << ACTIVITY
- CPU4 << HW_REVISION

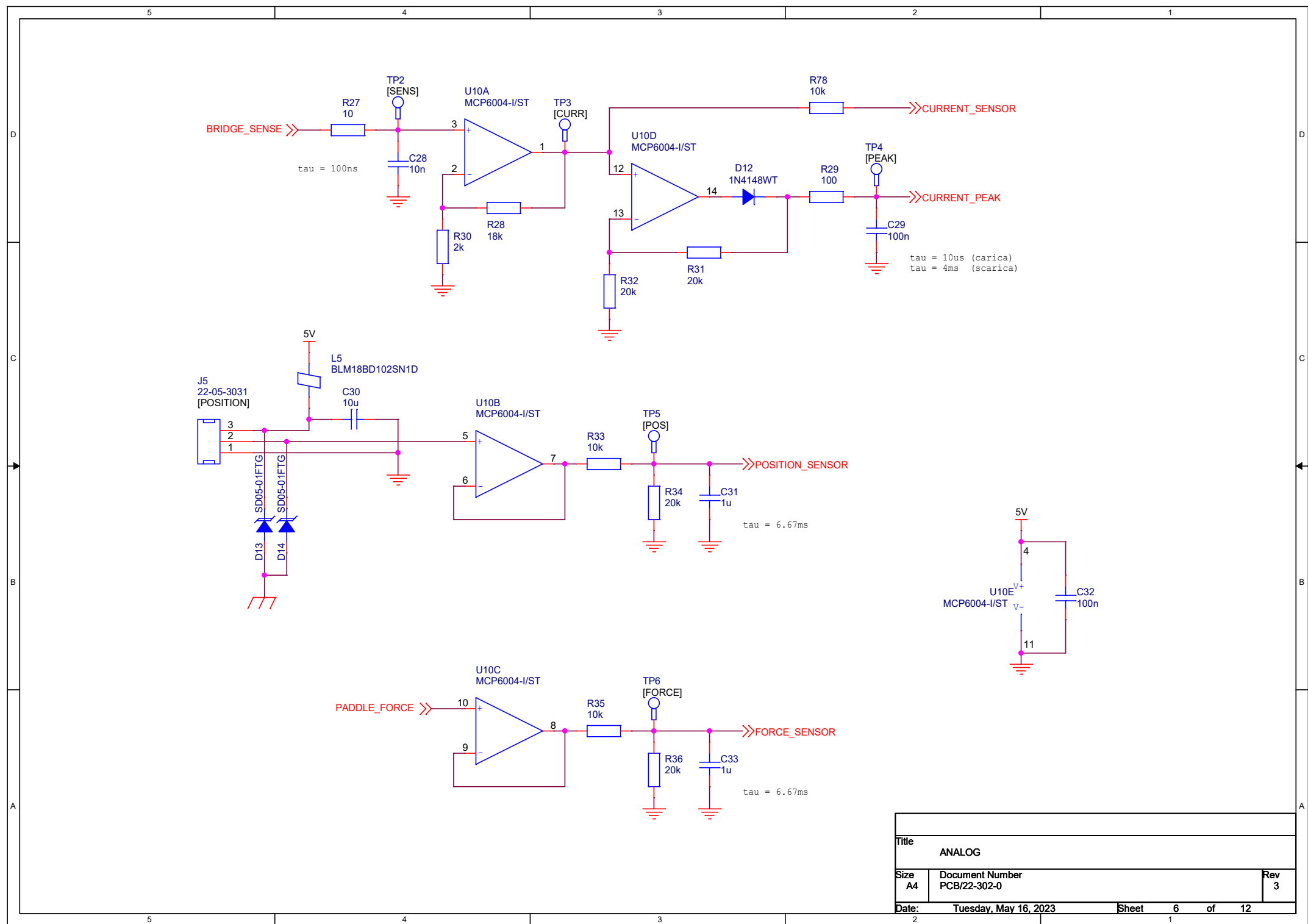
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|-------|-----------------------|-------|---------|
| Title | | | CPU |
| Size | Document Number | Rev | |
| A4 | PCB/22-302-0 | 3 | |
| Date: | Tuesday, May 16, 2023 | Sheet | 3 of 12 |



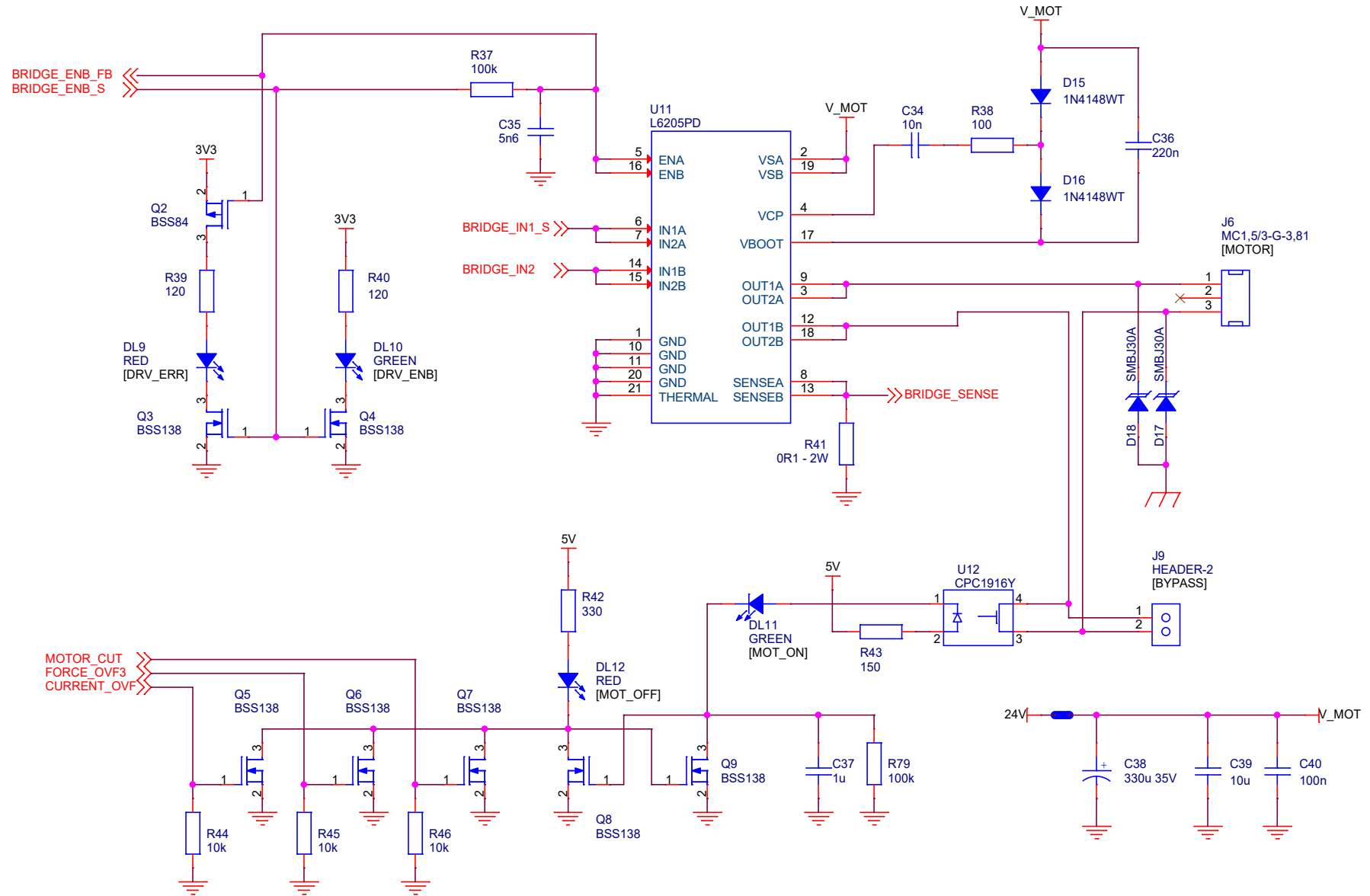
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| Title | | |
| CAN BUS | | |
| Size | Document Number | Rev |
| A4 | PCB/22-302-0 | 3 |
| Date: | Tuesday, May 16, 2023 | Sheet 4 of 12 |



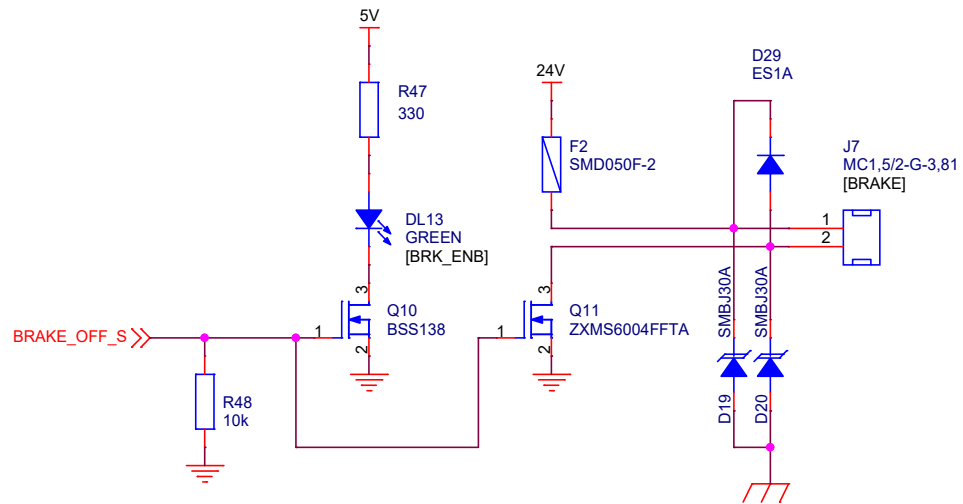
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| Title | | |
| HARDWARE BUS | | |
| Size | Document Number | Rev |
| A4 | PCB/22-302-0 | 3 |
| Date: | Tuesday, May 16, 2023 | Sheet 5 of 12 |



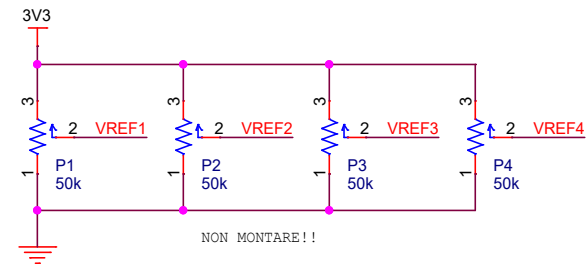
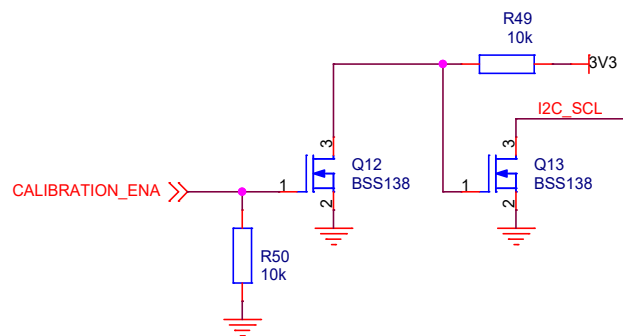
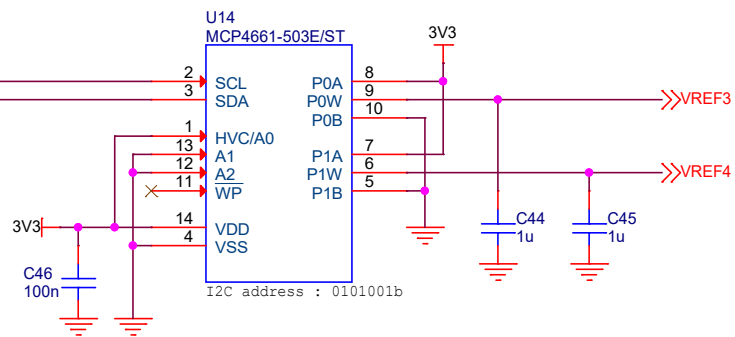
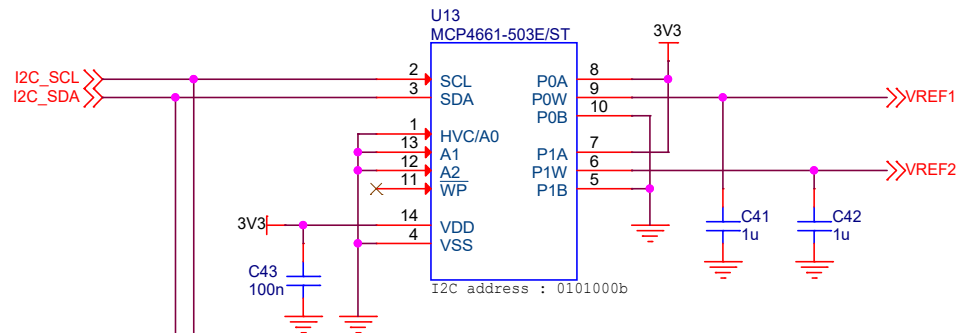
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| Title | | |
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| Size | Document Number | Rev |
| A4 | PCB/22-302-0 | 3 |
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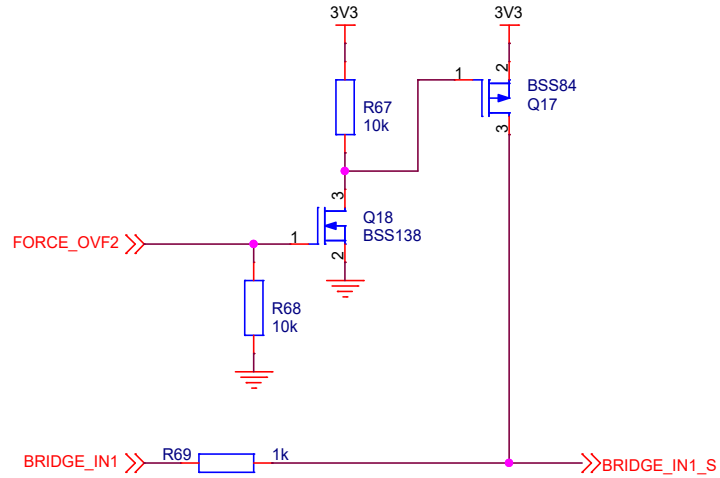
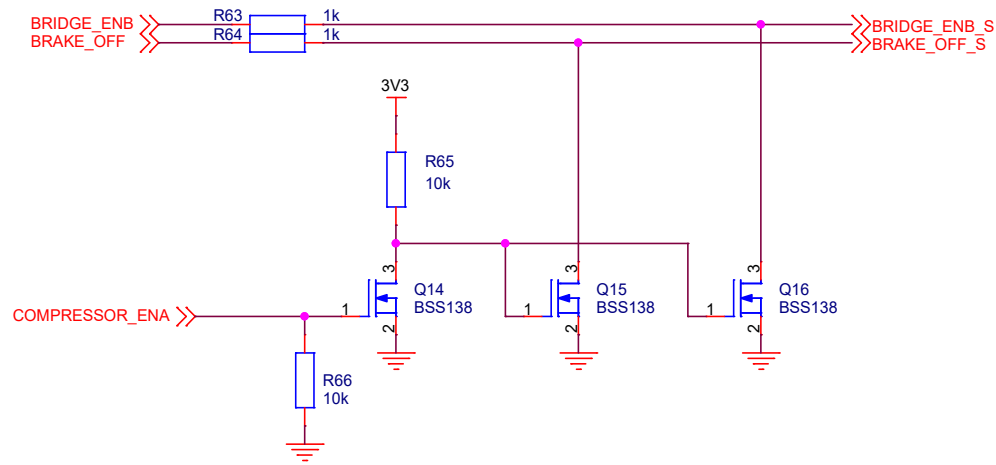
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|-------|-----------------------|---------------|
| Title | | |
| MOTOR | | |
| Size | Document Number | Rev |
| A4 | PCB/22-302-0 | 3 |
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| | | |
|-------|-----------------------|---------------|
| Title | | |
| BRAKE | | |
| Size | Document Number | Rev |
| A4 | PCB/22-302-0 | 3 |
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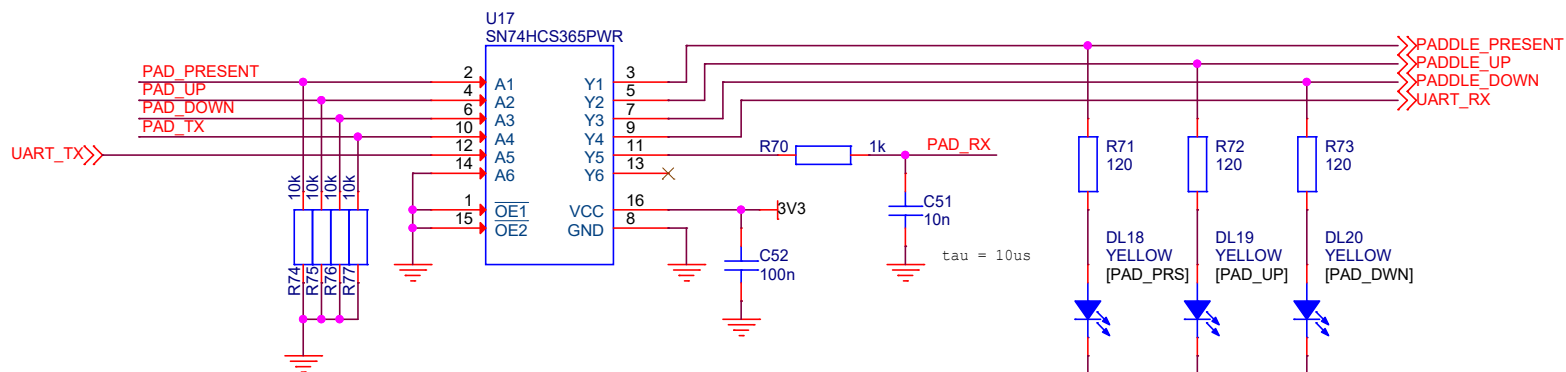
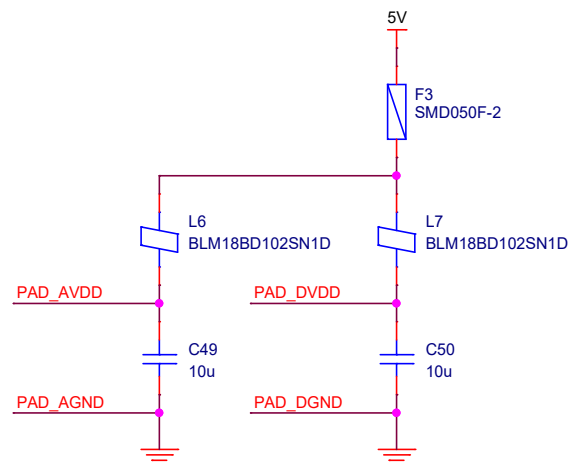
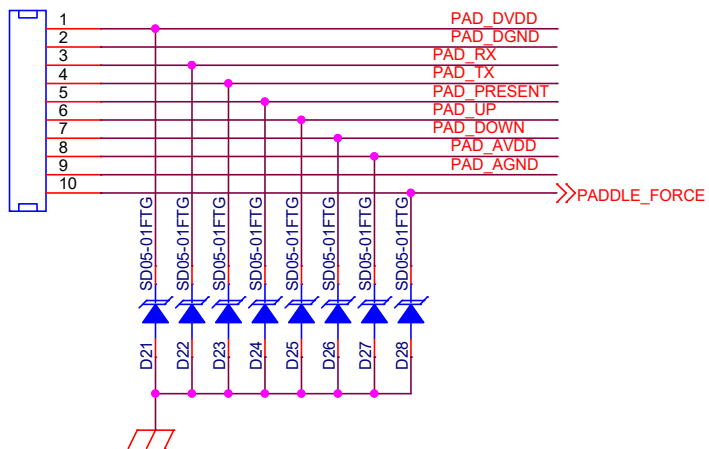


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|---------|-----------------------|---------------|
| Title | | |
| SAFETY1 | | |
| Size | Document Number | Rev |
| A4 | PCB/22-302-0 | 3 |
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| | | |
|---------|-----------------------|----------------|
| Title | | |
| SAFETY3 | | |
| Size | Document Number | Rev |
| A4 | PCB/22-302-0 | 3 |
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J8
54548-1071
[PADDLE]



| | | |
|--------|-----------------------|----------------|
| Title | | |
| PADDLE | | |
| Size | Document Number | Rev |
| A4 | PCB/22-302-0 | 3 |
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