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| POWER\_BOARD 🡨🡪 MOTOR\_BOARD\_32 POWER\_BOARD 🡨🡪 MOTOR\_BOARD\_32  POWER\_BOARD 🡨🡪 MOTOR\_BOARD\_32 | POWER\_BOARD 🡨🡪 MOTOR\_BOARD\_32 POWER\_BOARD 🡨🡪 MOTOR\_BOARD\_32  POWER\_BOARD 🡨🡪 MOTOR\_BOARD\_32 |
| POWER\_BOARD 🡨🡪MAIN\_BOARD\_32  POWER\_BOARD 🡨🡪MAIN\_BOARD\_32  POWER\_BOARD 🡨🡪MAIN\_BOARD\_32 | POWER\_BOARD 🡨🡪MAIN\_BOARD\_32  POWER\_BOARD 🡨🡪MAIN\_BOARD\_32  POWER\_BOARD 🡨🡪MAIN\_BOARD\_32 |
| CODERS 🡨🡪 MOTOR\_BOARD\_32  CODERS 🡨🡪 MOTOR\_BOARD\_32  CODERS 🡨🡪 MOTOR\_BOARD\_32 | POWER\_BOARD (CODERS) 🡨🡪 MOTOR\_BOARD\_32  POWER\_BOARD (CODERS) 🡨🡪 MOTOR\_BOARD\_32  POWER\_BOARD (CODERS) 🡨🡪 MOTOR\_BOARD\_32 |
| CODERS 🡨🡪 POWER\_BOARD  CODERS 🡨🡪 POWER\_BOARD  CODERS 🡨🡪 POWER\_BOARD | CODERS 🡨🡪 POWER\_BOARD  CODERS 🡨🡪 POWER\_BOARD  CODERS 🡨🡪 POWER\_BOARD |
| MOTOR\_BOARD\_32 🡨🡪 MOTORS  MOTOR\_BOARD\_32 🡨🡪 MOTORS  MOTOR\_BOARD\_32 🡨🡪 MOTORS | MOTOR\_BOARD\_32 🡨🡪 MOTORS  MOTOR\_BOARD\_32 🡨🡪 MOTORS  MOTOR\_BOARD\_32 🡨🡪 MOTORS |
| MAIN\_BOARD\_32 (UART 1) 🡨🡪 MOTOR\_BOARD\_32 (UART 1)  MAIN\_BOARD\_32 (UART 1) 🡨🡪 MOTOR\_BOARD\_32 (UART 1)  MAIN\_BOARD\_32 (UART 1) 🡨🡪 MOTOR\_BOARD\_32 (UART 1) | MAIN\_BOARD\_32 (UART 1) 🡨🡪 MOTOR\_BOARD\_32 (UART 1)  MAIN\_BOARD\_32 (UART 1) 🡨🡪 MOTOR\_BOARD\_32 (UART 1)  MAIN\_BOARD\_32 (UART 1) 🡨🡪 MOTOR\_BOARD\_32 (UART 1) |
| MAIN\_BOARD\_32 (I2C 1) 🡨🡪 MOTOR\_BOARD\_32 (I2C 1)  MAIN\_BOARD\_32 (I2C 1) 🡨🡪 MOTOR\_BOARD\_32 (I2C 1)  MAIN\_BOARD\_32 (I2C 1) 🡨🡪 MOTOR\_BOARD\_32 (I2C 1) | MAIN\_BOARD\_32 (I2C 1) 🡨🡪 MOTOR\_BOARD\_32 (I2C 1)  MAIN\_BOARD\_32 (I2C 1) 🡨🡪 MOTOR\_BOARD\_32 (I2C 1)  MAIN\_BOARD\_32 (I2C 1) 🡨🡪 MOTOR\_BOARD\_32 (I2C 1) |
| MAIN\_BOARD\_32 (I2C 4) 🡨🡪 ROBOT I2C 4 PINS  MAIN\_BOARD\_32 (I2C 4) 🡨🡪 ROBOT I2C 4 PINS  MAIN\_BOARD\_32 (I2C 4) 🡨🡪 ROBOT I2C 4 PINS | ROBOT I2C 4 TOP PINS 🡨🡪COLOR\_BOARD  ROBOT I2C 4 TOP PINS 🡨🡪COLOR\_BOARD  ROBOT I2C 4 TOP PINS 🡨🡪COLOR\_BOARD |
| MAIN\_BOARD\_32 (I2C 1) 🡨🡪 POWER\_BOARD (I2C 1)  MAIN\_BOARD\_32 (I2C 1) 🡨🡪 POWER\_BOARD (I2C 1)  MAIN\_BOARD\_32 (I2C 1) 🡨🡪 POWER\_BOARD (I2C 1) |  |
| MD22 🡨🡪 I2C TOP HUB  MD22 🡨🡪 I2C TOP HUB  MD22 🡨🡪 I2C TOP HUB | MECA\_BOARD\_1 (I2C\_4) 🡨🡪 I2C TOP HUB  MECA\_BOARD\_1 (I2C\_4) 🡨🡪 I2C TOP HUB  MECA\_BOARD\_1 (I2C\_4) 🡨🡪 I2C TOP HUB |
| MECA BOARD 1 (PWM 2) 🡨🡪 SERVO LIGHT LEFT  MECA BOARD 1 (PWM 2) 🡨🡪 SERVO LIGHT LEFT  MECA BOARD 1 (PWM 2) 🡨🡪 SERVO LIGHT LEFT | MECA BOARD 1 (PWM 1) 🡨🡪 SERVO LIGHT RIGHT  MECA BOARD 1 (PWM 1) 🡨🡪 SERVO LIGHT RIGHT  MECA BOARD 1 (PWM 1) 🡨🡪 SERVO LIGHT RIGHT |
| MECA BOARD 1 (PWM 5) 🡨🡪 SERVO EJECTOR  MECA BOARD 1 (PWM 5) 🡨🡪 SERVO EJECTOR  MECA BOARD 1 (PWM 5) 🡨🡪 SERVO EJECTOR |  |

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| MAIN\_BOARD\_32 (UART 6) 🡨🡪 MECA\_BOARD\_1 (UART 2)  MAIN\_BOARD\_32 (UART 6) 🡨🡪 MECA\_BOARD\_1 (UART 2)  MAIN\_BOARD\_32 (UART 6) 🡨🡪 MECA\_BOARD\_1 (UART 2) | MOTOR\_BOARD\_32 (UART 2) 🡨🡪 USB\_BOARD (1)  MOTOR\_BOARD\_32 (UART 2) 🡨🡪 USB\_BOARD (1)  MOTOR\_BOARD\_32 (UART 2) 🡨🡪 USB\_BOARD (1) |
| MECA\_BOARD\_1 (UART 5) 🡨🡪 USB\_BOARD (2)  MECA\_BOARD\_1 (UART 5) 🡨🡪 USB\_BOARD (2)  MECA\_BOARD\_1 (UART 5) 🡨🡪 USB\_BOARD (2) | MAIN\_BOARD\_32 (UART 2) 🡨🡪 USB\_BOARD (4)  MAIN\_BOARD\_32 (UART 2) 🡨🡪 USB\_BOARD (4)  MAIN\_BOARD\_32 (UART 2) 🡨🡪 USB\_BOARD (4) |
| I2C TOP HUB 🡨🡪 RLY08  I2C TOP HUB 🡨🡪 RLY08  I2C TOP HUB 🡨🡪 RLY08 | PCF8574 🡨🡪 I2C TOP HUB  PCF8574 🡨🡪 I2C TOP HUB  PCF8574🡨🡪 I2C TOP HUB |
| LAUNCHER LEFT  LAUNCHER LEFT  LAUNCHER LEFT | LAUNCHER RIGHT  LAUNCHER RIGHT  LAUNCHER RIGHT |
| MD22 🡨🡪 DISTRIBUTOR MOTOR  MD22 🡨🡪 DISTRIBUTOR MOTOR  MD22 🡨🡪 DISTRIBUTOR MOTOR | TOF DISTRIBUTOR 🡨🡪 I2C TOP HUB  TOF DISTRIBUTOR 🡨🡪 I2C TOP HUB  TOF DISTRIBUTOR 🡨🡪 I2C TOP HUB |
| MECA\_POWER\_BOARD (I2C 1) 🡨 🡪 TOF DETECTOR (I2C)  MECA\_POWER\_BOARD (I2C 1) 🡨 🡪 TOF DETECTOR (I2C)  MECA\_POWER\_BOARD (I2C 1) 🡨 🡪 TOF DETECTOR (I2C) | I2C TOP HUB 🡨 🡪 TOF DISTRIBUTOR  I2C TOP HUB 🡨 🡪 TOF DISTRIBUTOR  I2C TOP HUB 🡨 🡪 TOF DISTRIBUTOR |
| MECA\_POWER\_BOARD (I2C 1) 🡨 🡪 TOF DETECTOR (I2C)  MECA\_POWER\_BOARD (I2C 1) 🡨 🡪 TOF DETECTOR (I2C)  MECA\_POWER\_BOARD (I2C 1) 🡨 🡪 TOF DETECTOR (I2C) |  |