STM32-ROMI Rev A Reworks

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| --- | --- | --- | --- |
| Date Modified | Revision | Author | Changes |
| 12/16/2020 | A | Kyle Rodrigues | Sonar Pins |
|  |  |  |  |

# Wifi RX/TX

## Issue

Rx and Tx are flipped on ESP-01 module

## Solution

Cut trace and flywire

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| **Figure 1 -** Cut the traces (cuts in red) at the base and fly wire correctly |

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| **Figure 2** – Bottom view of the rework |

# ROMI\_PWMR

## Issue

Needed pin for something else

## Solution

Cut trace and flywire pin 29 too the net

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| **Figure 3**- Zoomed out view |

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| **Figure 4**- Zoomed out view |

# ENCL\_CHA

## Issue

Encoder pins were connected to timer not encoder input

## Solution

Cut trace at pin 29 and flywire pin 14

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|  |
| **Figure 5-** Cut the traces (cuts in red) at the base and fly wire correctly |

ENCL\_CHB

Issue

Encoder was connected to a timer input not encoder input

Solution

Cut trace on pin 30 and flywire pin 15

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|  |
| **Figure 6** |

ENCR\_CHA

Issue

Encoder was connected to timer instead of encoder

Solution

Cut trace at pin 56 and 26 and flywire below pin 26

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|  |
| Figure X |

ENCR\_CHB

Issue

Encoder was connected to timer instead of encoder

Solution

Cut trace at pin 57 and 27 and flywire below pin 27

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| **Figure X** |

TRIGL

Issue

Rx and Tx are flipped on ESP-01 moodule

Solution

Cut trace and flywire

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SERVE2\_pwm

Issue

Rx and Tx are flipped on ESP-01 module

Solution

Cut trace and flywire

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EchoL

Issue

Rx and Tx are flipped on ESP-01 moodule

Solution

Cut trace and flywire

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Rework

Issue

Rx and Tx are flipped on ESP-01 moodule

Solution

Cut trace and flywire

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