RoboCore V1->V2 Changelog

If the RoboCore V1 PCB was used for the program and you now want to change from the V1 to the V2, you must ensure that you change the following settings in the program:

ESP32 GPIO:

1. Pin 13 (13-S3) → 13-SERVO5
2. Pin 14 (14-T_R) → 14-S3
3. Pin 15 (15-ENC_SW) → pinMode(15, INPUT_PULLUP)
4. Pin 15 (15-ENC_SW) → Pressing the encoder button sets the pin to LOW, previously it was HIGH on the V1!
5. Pin 23 (23-PWMA) → 23-T_R
6. Pin 23 → pinMode(23, INPUT_PULLUP)
7. Pin 26 (26-METAL_S) → 26-PWMA

Multiplexer GPIO:

1. I8 (AE1) → I13
2. I9 (AE2) → I14
3. I10 (AE3) → I15 This pin is normally connected to MPU6050 Interupt. This can be deactivated via a jumper
4. Pin 26 (26-METAL_S) → I12

Shiftregister:

1. Q5,0 (PT_WHITE) → LED_L_RED
2. Q6,0 (PT_RED) → LED_L_GREEN
3. Q7,0 (PT_GREEN) → LED_L_BLUE
4. Q0,1 (PT_BLUE) → LED_R_RED
5. Q1,1 (LED_L_RED) → LED_R_GREEN
6. Q2,1 (LED_L_GREEN) → LED_R_BLUE
7. Q3,1 (LED_L_BLUE) → XSHT1
8. Q4,1 (LED_R_RED) → XSHT2
9. Q5,1 (LED_R_GREEN) → XSHT3
10. Q6,1 (LED_R_BLUE) → XSHT4
11. Q7,1 (XSHT1) → RGB_RED
12. Q0,2 (XSHT2) → RGB_GREEN
13. Q1,2 (XSHT3) → PT_WHITE
14. Q2,2 (XSHT4) → PT_RED
15. Q3,2 (DE1) → PT_GREEN
16. Q4,2 (DE2) → PT_BLUE
17. Q5,2 (DE3) → DE1
18. DE2 → Q6,2
19. DE3 → Q7,2