

## Extern Variables Array

| Variable Name       | Value | Comments |
|---------------------|-------|----------|
| RESOLUTION_ENC0123  | 0x18  |          |
| RESOLUTION_ENC4567  | 0x19  |          |
| RESOLUTION_ENC89ab  | 0x1a  |          |
| DAC2TEST            | 0x1c  |          |
| EXT_ET5_SCOPE0      | 0x1b  |          |
| EXT_ET5_SCOPE12     | 0x1d  |          |
| EXT_ET5_SCOPE34     | 0x1e  |          |
| OUTPUTS_XOR_MASK    | 0x22  |          |
| EXT_RTCP_DEBUG0     | 0x24  |          |
| ACCEPT_WAIT_BUFFER  | 0x25  |          |
| OUTPUT_SET_BIT      | 0x28  |          |
| OUTPUT_CLEAR_BIT    | 0x29  |          |
| OUTPUT_SET_MASK     | 0x2a  |          |
| OUTPUT_CLEAR_MASK   | 0x2b  |          |
| SET_PWM             | 0x2c  |          |
| SET_DAC             | 0x2e  |          |
| ET5_SERVO_ON        | 0x30  |          |
| ET5_SERVO_OFF       | 0x31  |          |
| DAC_OFFSET          | 0x32  |          |
| ET5_PWM_FREQ        | 0x33  |          |
| SPINDLE_MODBUS      | 0x35  |          |
| SPINDLE_MODBUS_CTL  | 0x36  |          |
| SPINDLE23_MODBUS    | 0x62  |          |
| SPINDLE0123_MASK    | 0x63  |          |
| SPINDLE_CONNECTION  | 0x64  |          |
| MODBUS_SPINDLE_MASK | 0x37  |          |
| MODBUS_SPINDLE_REG0 | 0x38  |          |
| MODBUS_SPINDLE_REG1 | 0x39  |          |
| MODBUS_SPINDLE_REG2 | 0x3a  |          |
| MODBUS_SPINDLE_REG3 | 0x3b  |          |
| MODBUS_SPINDLE_REG4 | 0x3c  |          |
| MODBUS_SPINDLE_REG5 | 0x3d  |          |
| MODBUS_SPINDLE_REG6 | 0x3e  |          |
| MODBUS_SPINDLE_REG7 | 0x3f  |          |
| LASER_PWM_MIN       | 0x40  |          |
| LASER_PWM_MAX       | 0x41  |          |
| LASER_PWM_RATIO     | 0x42  |          |
| LASER_PWM_SPEED_MIN | 0x44  |          |
| LASER_PWM_SPEED_MAX | 0x46  |          |
| LASER_PWM_CHANNEL   | 0x48  |          |
| LIMITS_STOP_COUNTER | 0x4a  |          |
| HARD_LIMITS         | 0x4b  |          |
| IOMAPPING_CFG_CLEAR | 0x50  |          |

| Variable Name         | Value      | Comments |
|-----------------------|------------|----------|
| IOMAPPING_CFG_SET     | 0x51       |          |
| INPUTS0_XOR_MASK      | 0x52       |          |
| INPUTS1_XOR_MASK      | 0x53       |          |
| OUTPUT_BYTE           | 0x54       |          |
| DEV_THC               | 0x60       |          |
| MODBUS_FULL_DEBUG     | 0x66       |          |
| ENCPOSITION_MUL       | 0x69       |          |
| ENCPOSITION_DIV       | 0x6a       |          |
| ENCPOSITION0_SET      | 0x70       |          |
| ENCPOSITION1_SET      | 0x71       |          |
| ENCPOSITION2_SET      | 0x72       |          |
| ENCPOSITION3_SET      | 0x73       |          |
| ENCPOSITION4_SET      | 0x74       |          |
| ENCPOSITION5_SET      | 0x75       |          |
| ENCPOSITION6_SET      | 0x76       |          |
| ENCPOSITION7_SET      | 0x77       |          |
| ENCPOSITION8_SET      | 0x78       |          |
| ENCPOSITION9_SET      | 0x79       |          |
| ENCPOSITION10_SET     | 0x7a       |          |
| ENCPOSITION11_SET     | 0x7b       |          |
| ENCPOSITION12_SET     | 0x7c       |          |
| ENCPOSITION13_SET     | 0x7d       |          |
| ENCPOSITION14_SET     | 0x7e       |          |
| ENCPOSITION15_SET     | 0x7f       |          |
| SET_OVERSPEED_G0      | 0xA0       |          |
| SET_OVERSPEED         | 0xA1       |          |
| SET_ACCELERATION      | 0xA8       |          |
| SET_BACKLASH          | 0xA9       |          |
| MYTIMER_SET           | 0xAB       |          |
| MYTIMER_SET_PULSE     | 0xAC       |          |
| MYTIMER_SET_PAUSE     | 0xAD       |          |
| SET_ADC_MAPPING       | 0xB0       |          |
| SET_FREQ_MEASURE_TIME | 0xB4       |          |
| SET_PID_TASK          | 0xB6       |          |
| SET_CV2ACCEL          | 0xB8       |          |
| SET_CV2KP             | 0xB9       |          |
| SET_MOTOR_SMOOTH      | 0xBB       |          |
| CAMERA_READY          | 200(0x0c8) |          |
| POLL                  | 222(0x0de) |          |
| TOOL_OFFSET_Y         | 210(0x0d2) |          |
| HCONTROL_JOY          | 215(0x0d7) |          |
| UDP_SEQUENCE          | 400(0x190) |          |
| ASSIGN_TOOL_LENGTH0   | 0x110      |          |
| ASSIGN_TOOL_LENGTH1   | 0x111      |          |
| ASSIGN_TOOL_LENGTH2   | 0x112      |          |

| Variable Name       | Value      | Comments |
|---------------------|------------|----------|
| ASSIGN_TOOL_LENGTH3 | 0x113      |          |
| ASSIGN_TOOL_LENGTH4 | 0x114      |          |
| ASSIGN_TOOL_LENGTH5 | 0x115      |          |
| ASSIGN_TOOL_LENGTH6 | 0x116      |          |
| ASSIGN_TOOL_LENGTH7 | 0x117      |          |
| ASSIGN_TOOL_LENGTH8 | 0x118      |          |
| GVARGET_REPLY       | 0x120      |          |
| G289_REPLY          | 300(0x12c) |          |
| VM_VARSET           | 0x200      |          |
| ET5_PID00_EN        | 0x300      |          |
| ET5_PID01_EN        | 0x310      |          |
| ET5_PID10_EN        | 0x320      |          |
| ET5_PID11_EN        | 0x330      |          |
| ET5_PID20_EN        | 0x340      |          |
| ET5_PID21_EN        | 0x350      |          |
| ET5_PID30_EN        | 0x360      |          |
| ET5_PID31_EN        | 0x370      |          |
| ET5_PID40_EN        | 0x380      |          |
| ET5_PID41_EN        | 0x390      |          |
| ET5_PID50_EN        | 0x3A0      |          |
| ET5_PID51_EN        | 0x3B0      |          |
| ET5_PID60_EN        | 0x3C0      |          |
| ET5_PID61_EN        | 0x3D0      |          |
| ET5_PID70_EN        | 0x3E0      |          |
| ET5_PID71_EN        | 0x3F0      |          |

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Last update: **2021/10/08 10:13**

