

# mRo Control Zero Quick Start Guide



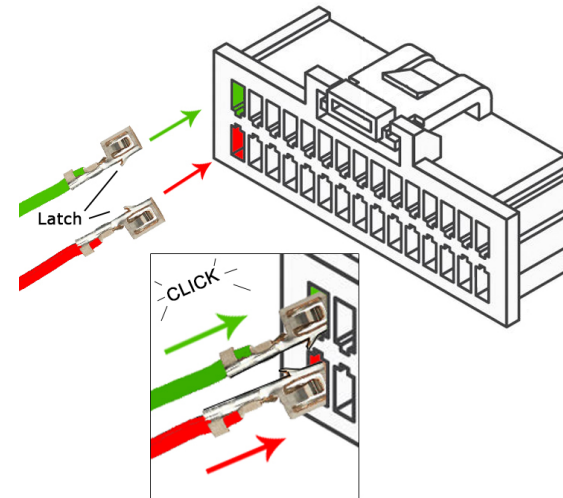
## HOW TO WIRE

This is the Terminal Crimp that is included in each end of the cables.



**PICO-CLASP CRIMP TERMINAL**

Most of the cables are just "pre-crimped" with PicoClaps crimps, they must be inserted into the "connector" with the correct direction of the latch.



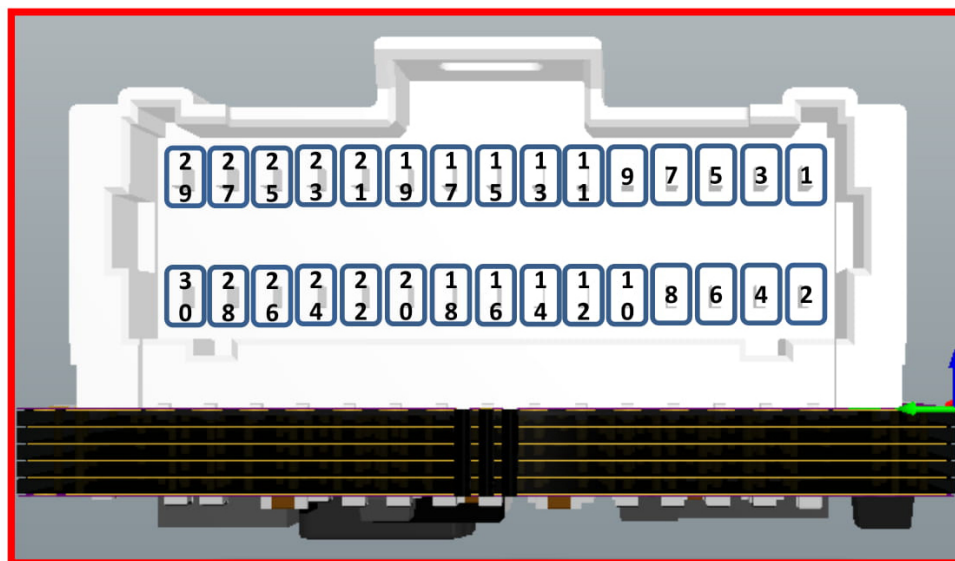
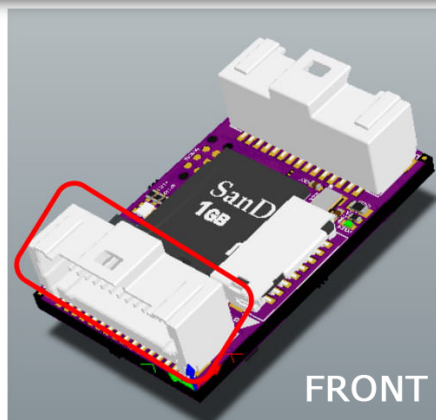
**MOLEX PICO-CLASP CONNECTOR**

*Notice that the metal Crimp has a little metal "latch" sticking out, the latch goes into the "inner" part of the connector above, you will see that the hole is rectangle and you have a little opening pointing to the middle of the housing, that is where you insert the latch. Make sure it goes all the way in, no metal should be sticking out of the connector*

# mRo Control Zero Quick Start Guide



## Pinout Front Connector



### PERIPHERALS

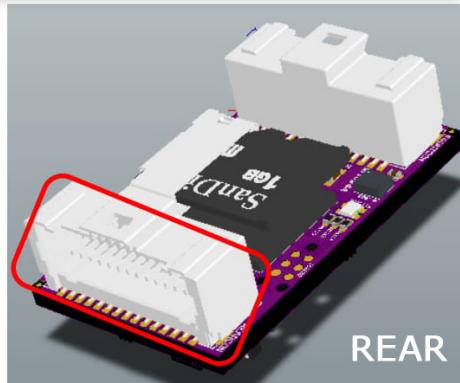
- RC IN ( PPM, SBUS, SPK)
- Frsky serial port
- Usart CH4 / I2C1 ( GPS/MAG)
- Usart CH3 ( Telem 2 )
- Usart CH2 ( Telem 1 )
- USB OTG

1	VDD_5V_RECEIVER	2	VDD_5V_PERIPH
3	RC_INPUT	4	FMU_USART3_TX
5	RSSI_IN	6	FMU_USART3_RX
7	GND	8	FMU_USART3_CTS
9	VDD_3V3_SPEKTRUM	10	FMU_USART3_RTS
11	FrSky_OUT	12	GND
13	FrSky_IN	14	VDD_5V_PERIPH
15	GND	16	FMU_USART2_TX
17	VDD_5V_PERIPH	18	FMU_USART2_RX
19	FMU_USART4_TX	20	FMU_USART2_CTS
21	FMU_USART4_RX	22	FMU_USART2_RTS
23	FMU_I2C1_SCL	24	GND
25	FMU_I2C1_SDA	26	VBUS
27	GND	28	OTG_FS_N
29	GND	30	OTG_FS_P

# mRo Control Zero Quick Start Guide



## Pinout Rear Connector



### PERIPHERALS

- Main PWM outputs
- Power Module
- Usart CH7
- Safety switch
- CAN
- Usart CH6 / SPI 6

1	FMU_CH1	2	GND
3	FMU_CH2	4	GND
5	FMU_CH3	6	GND
7	FMU_CH4	8	FMU_USART6_TX/SPI6_MOSI
9	FMU_CH5	10	FMU_USART6_RX/SPI6_CS
11	FMU_CH6	12	FMU_USART6_CTS/SPI6_SCK
13	FMU_CH7	14	FMU_USART6_RTS/SPI6_MISO
15	FMU_CH8	16	FMU_VDD_3V3
17	FMU_USART7_TX	18	SAFETY_SWITCH_IN
19	FMU_USART7_RX	20	GND
21	GND	22	GND
23	VDD_5V_PERIPH	24	BATT_VOLT
25	CAN_H	26	BATT_CURR
27	CAN_L	28	VDD_5V_BRICK
29	GND	30	VDD_5V_BRICK