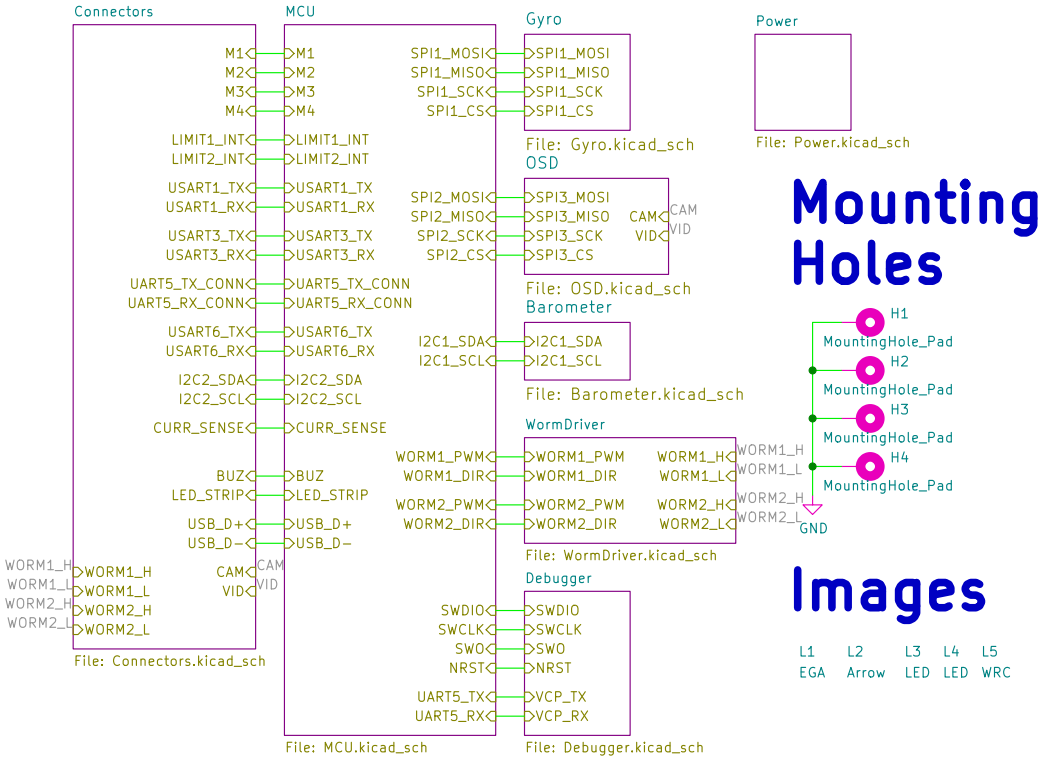
Main



Mounting Holes

Images

L1 EGA | L2 Arrow | L3 LED | L4 LED | L5 WRC

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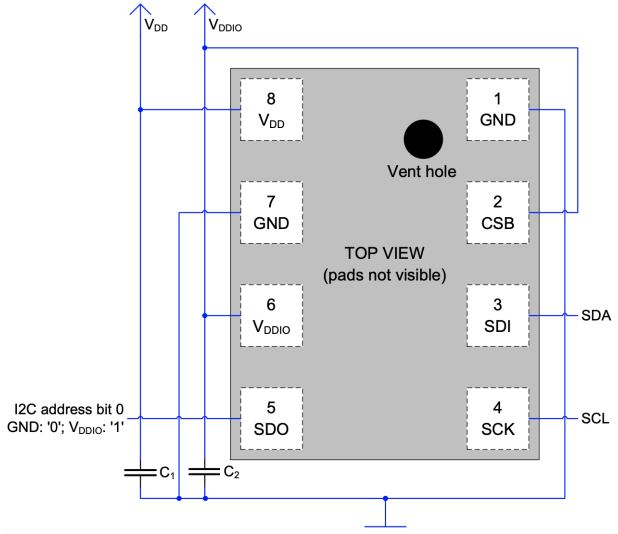
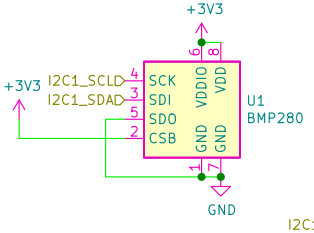
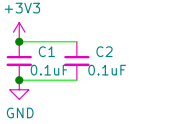
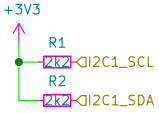
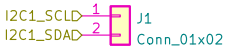
Barometer











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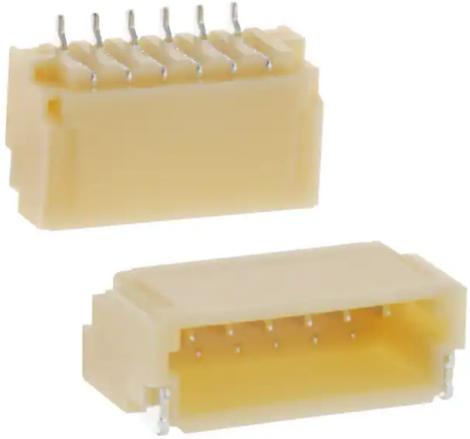
Connectors

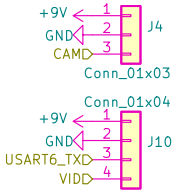
JST 8 Pin Conn

JST 6 Pin Conn

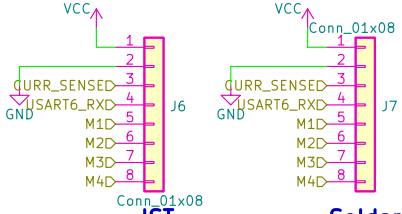


USB Conn

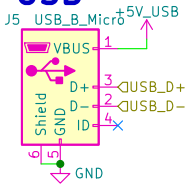
CAMERA



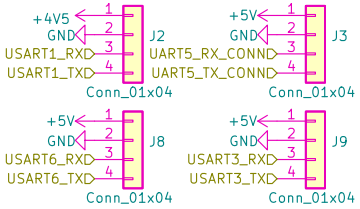
FC to ESC Harness



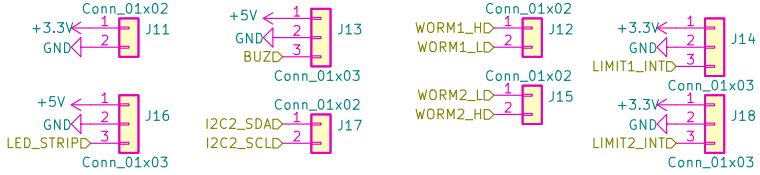
USB



UARTS



Other



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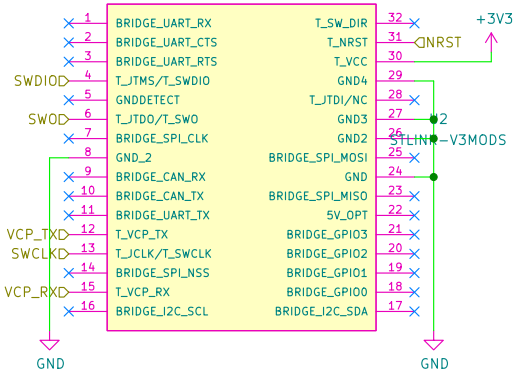
Debugger

Side	Pin #	Pin description	Type
LEFT	1	Bridge UART RX[1]	I
	2	Bridge UART CTS	I
	3	Bridge UART RTS	O
	4	T_JTMS/T_SWDIO	O
	5	GNDDetect[2]	I
	6	T_JTDO/T_SWO[3]	I
	7	Bridge SPI CLK	I/O
	8	GND	S
	9	Bridge CAN RX[1]	I
	10	Bridge CAN TX[4]	O
	11	Bridge UART TX[4]	O
	12	T_VCP_TX	I
	13	T_JCLK/T_SWCLK	O
	14	Bridge SPI NSS	I/O
	15	T_VCP_RX	O
	16	Bridge I2C SCL	O
RIGHT	17	Bridge I2C SDA	I/O
	18	Bridge GPIO0	I/O
	19	Bridge GPIO1	I/O
	20	Bridge GPIO2	I/O
	21	Bridge GPIO3	I/O
	22	Reserved[5]	-
	23	Bridge SPI MISO	I/O
	24	GND	S
	25	Bridge SPI MOSI	I/O
	26	GND	S
	27	GND	S
	28	T_JTDI/NC[6]	O
	29	GND	S
	30	T_VCC[7]	I
	31	T_NRST	O
	32	T_SW_DIR	O



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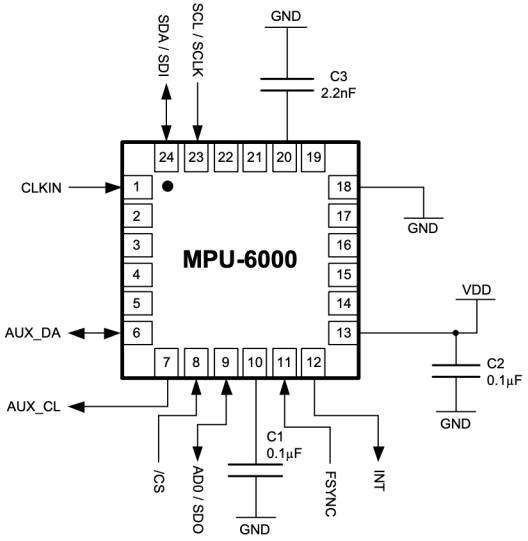
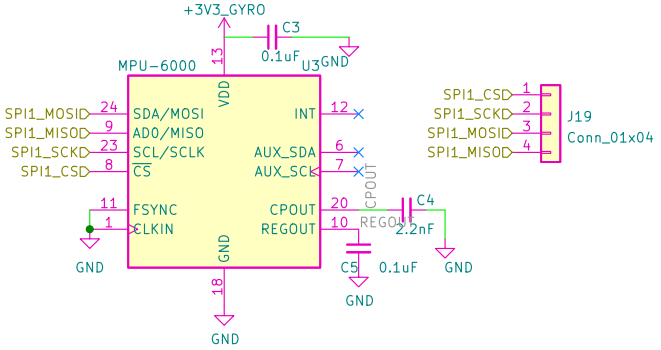
KiCad E.D.A. kicad (6.0.4-0)		Id: 4/9

Gyro

7.2 Typical Operating Circuit





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MCU

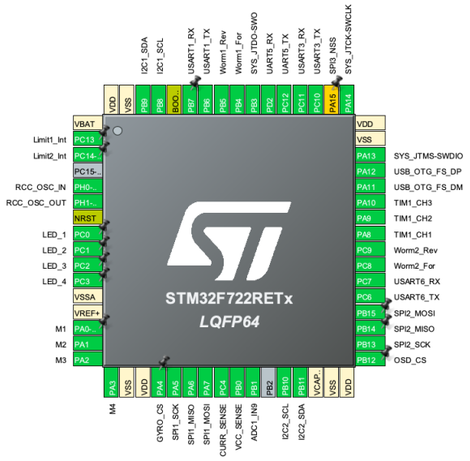
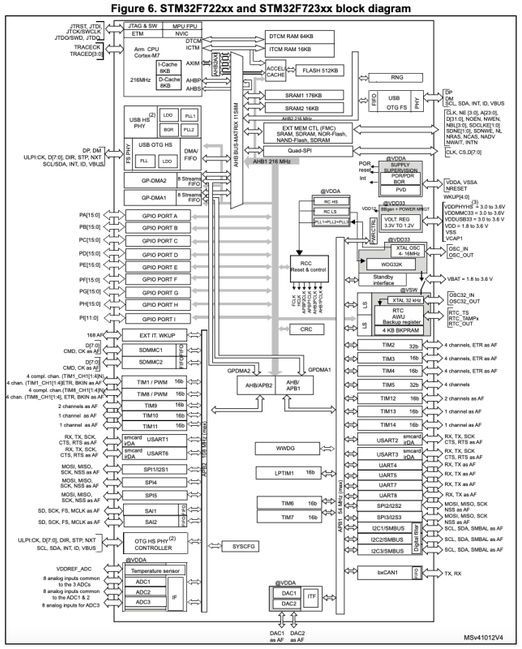
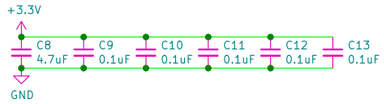
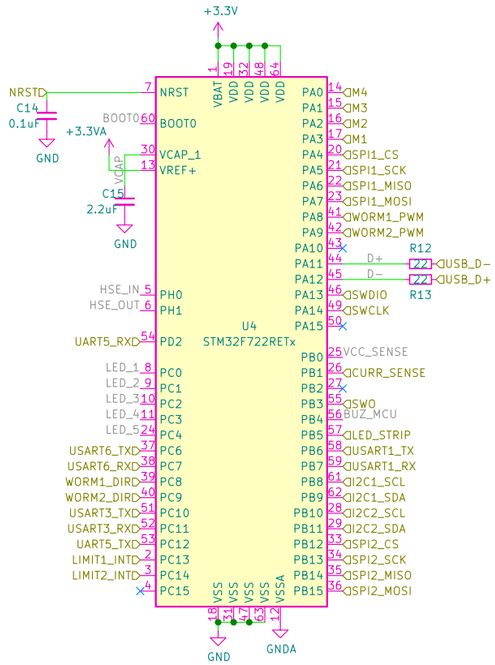


Figure 6. STM32F722xx and STM32F723xx block diagram

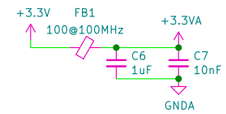


Input Filtering

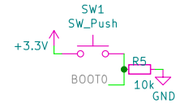




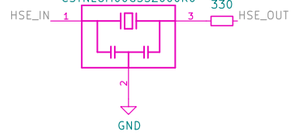
Analog Filtering



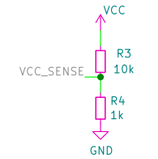
Button



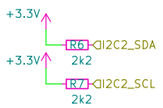
Oscillator



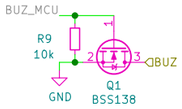
Voltage Sense



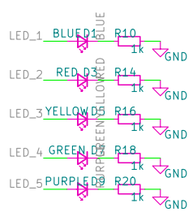
I2C PullUps



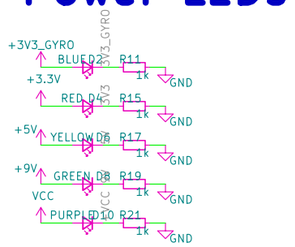
Buzzer



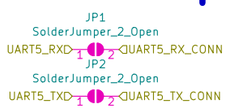
User LEDs



Power LEDs



UART Jumpers



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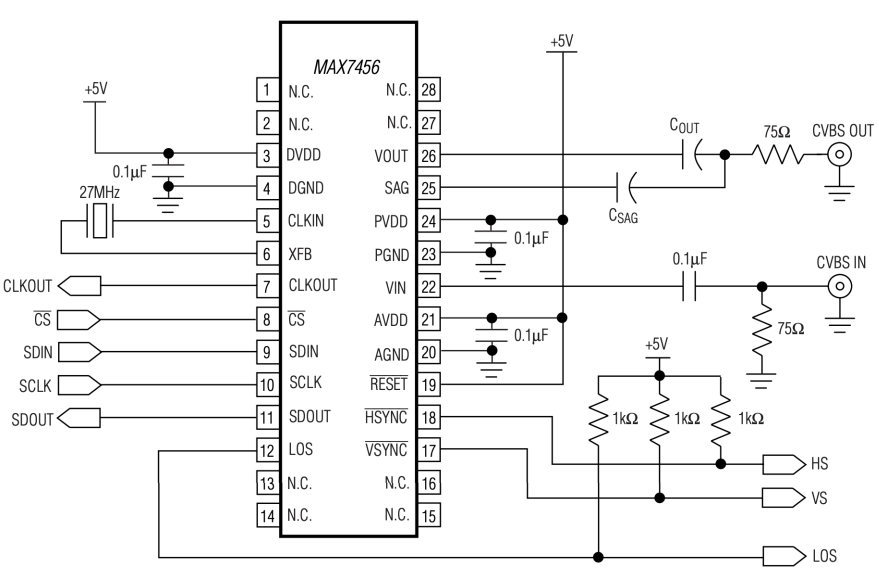

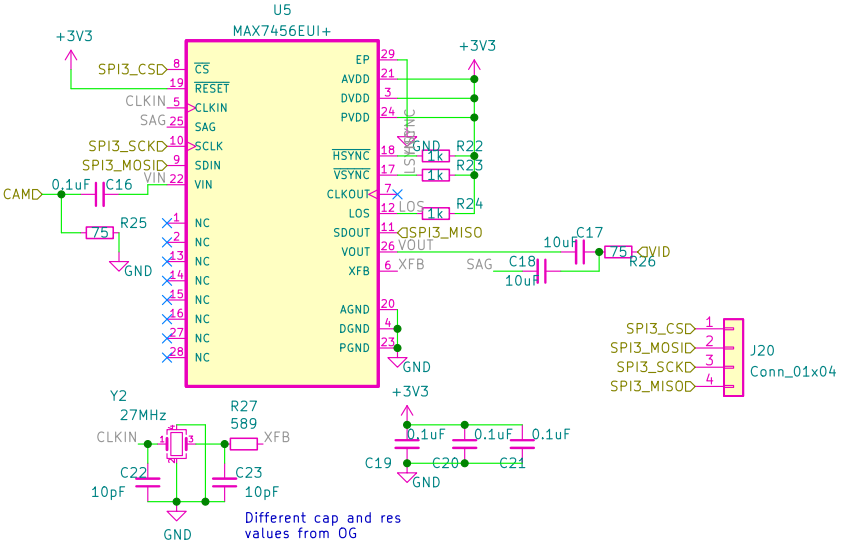

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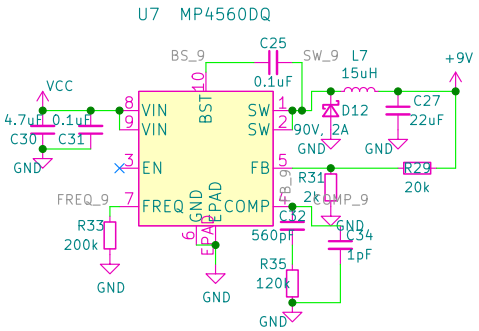
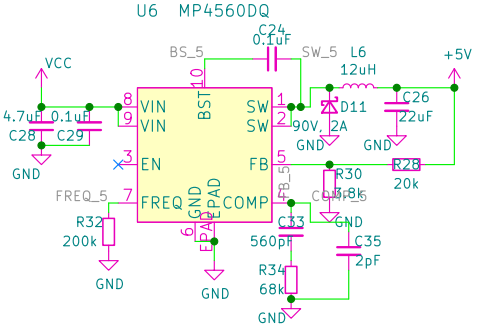
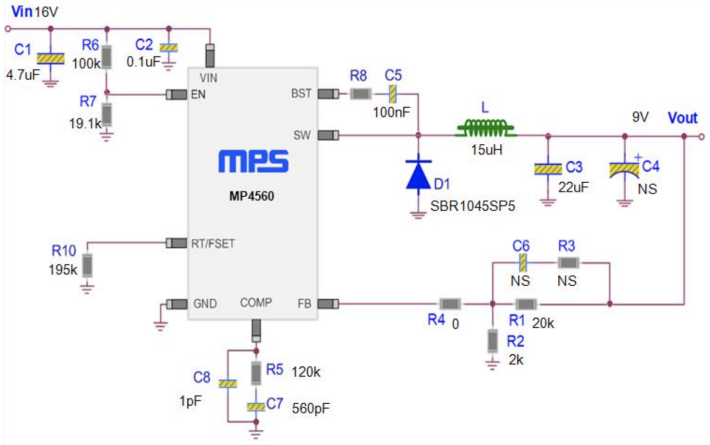
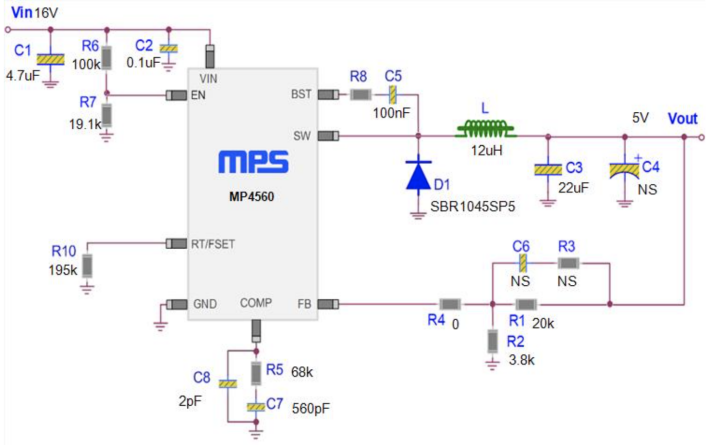
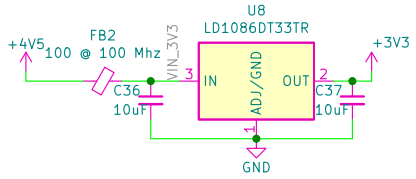
Power

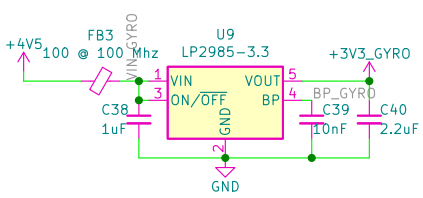


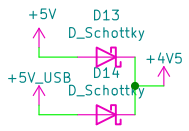


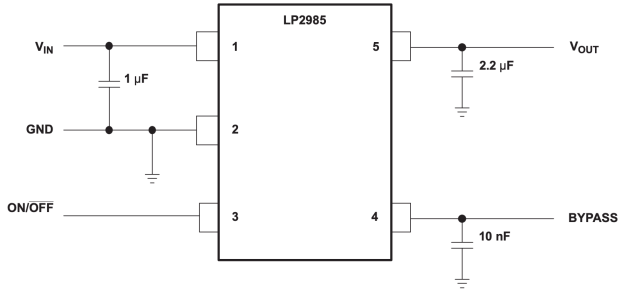












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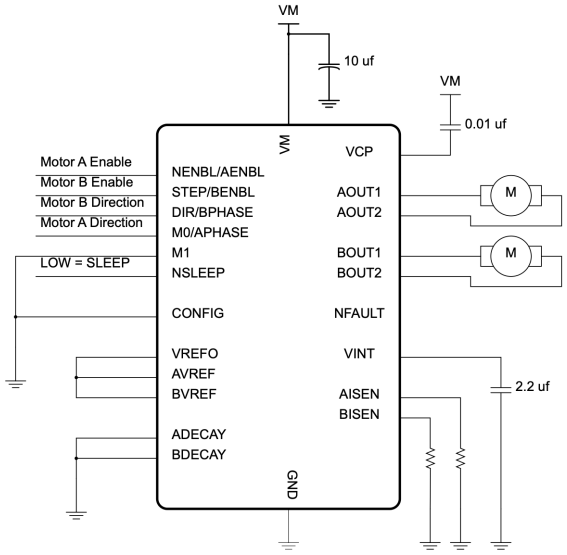
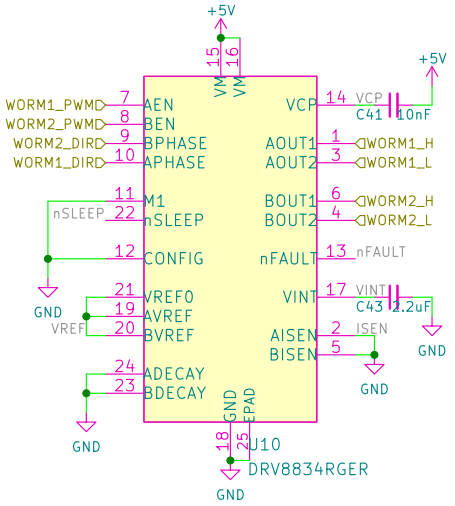
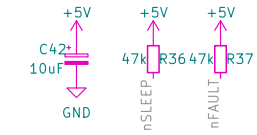
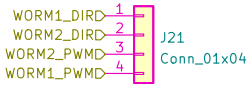
Worm Motor Driver









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