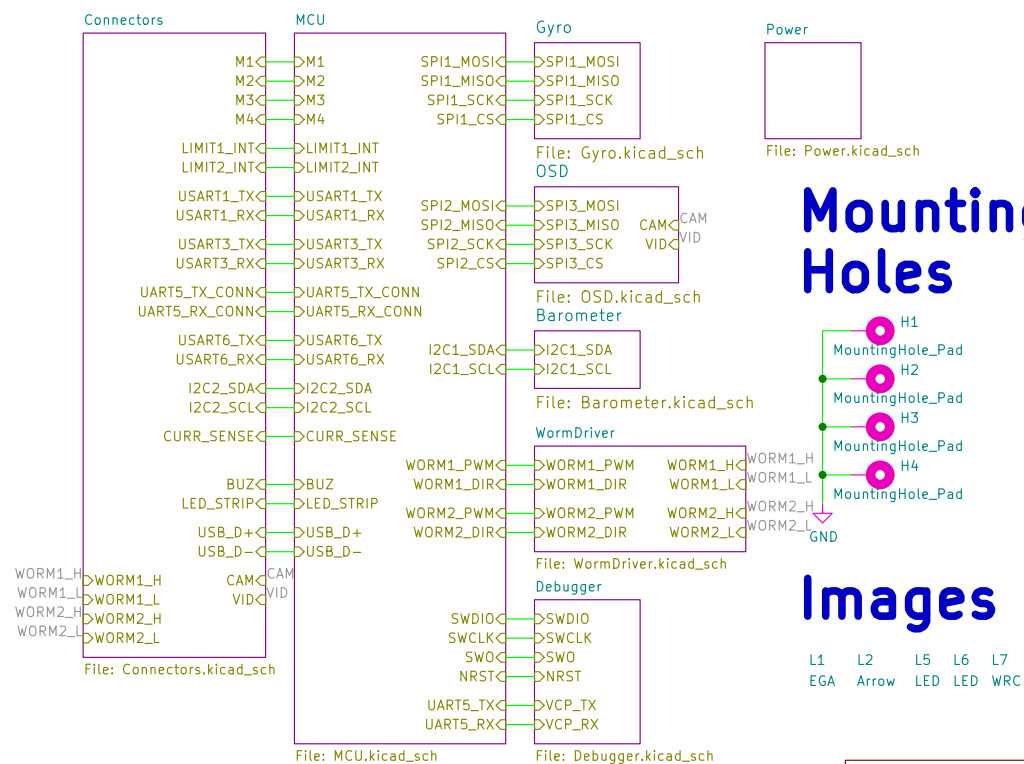
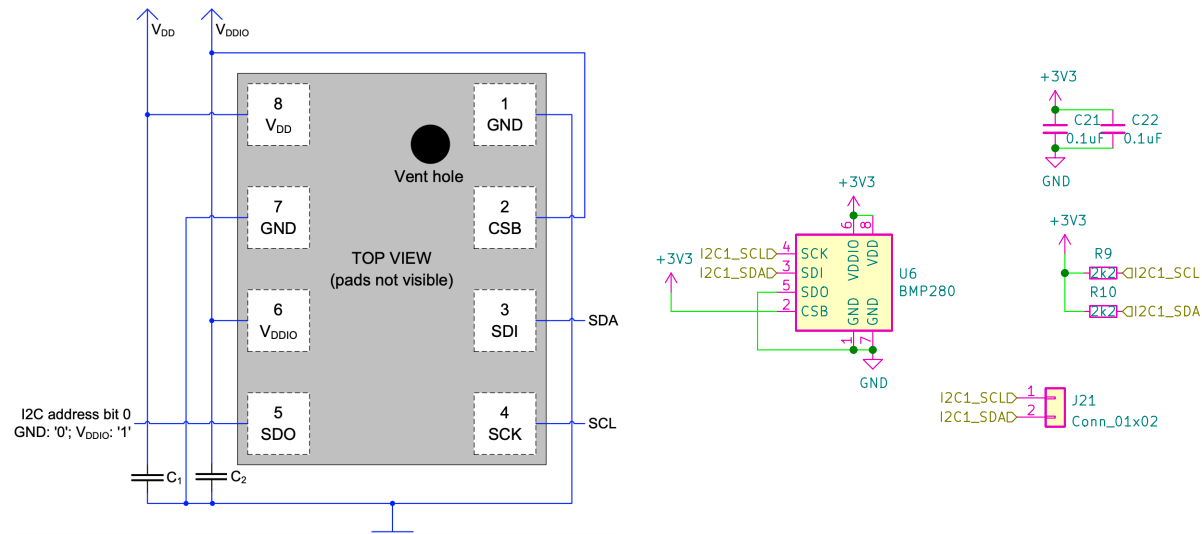


# Main



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# Barometer



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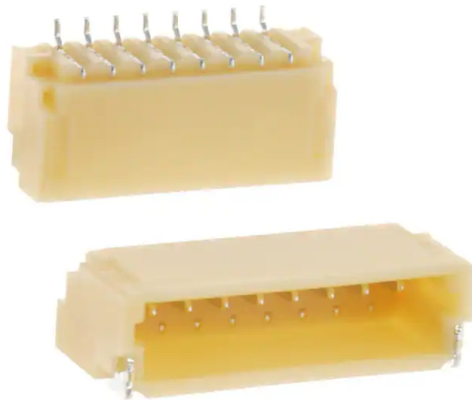
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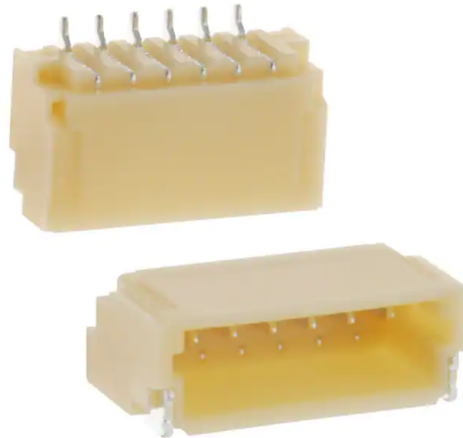
Rev:  
Id: 2/9

# Connectors

## JST 8 Pin Conn



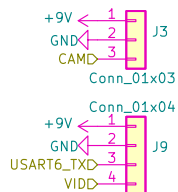
## JST 6 Pin Conn



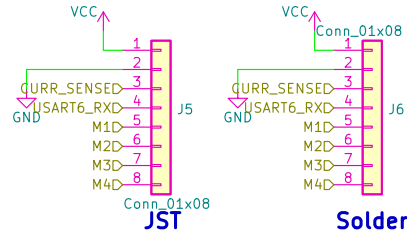
## USB Conn



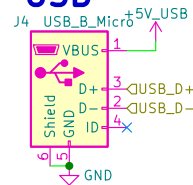
### CAMERA



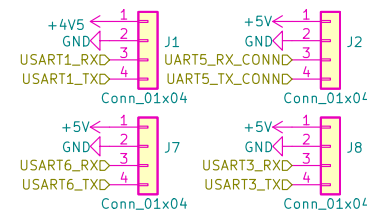
### FC to ESC Harness



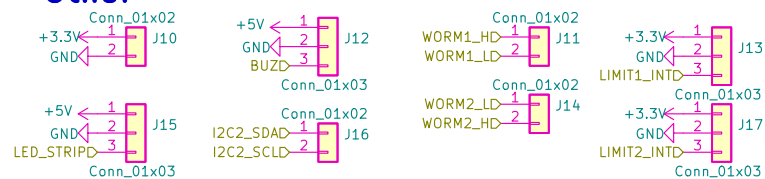
### USB



### UARTS



### Other



Sheet: /Connectors/  
File: Connectors.kicad\_sch

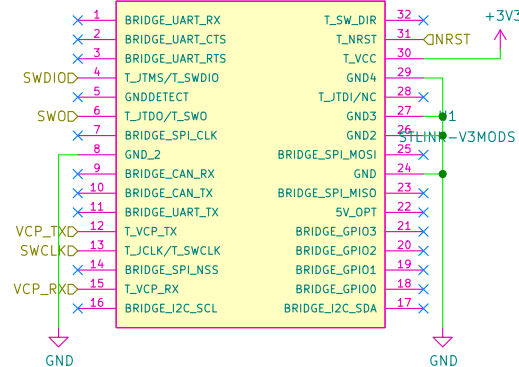
**Title:**

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KiCad E.D.A. kicad (6.0.0-0)

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# Debugger

Side	Pin #	Pin description	Type
LEFT	1	Bridge UART RX <sup>(1)</sup>	I
	2	Bridge UART CTS	I
	3	Bridge UART RTS	O
	4	T_JTMS/T_SWDIO	O
	5	GNDDetect <sup>(2)</sup>	I
	6	T_JTDO/T_SWO <sup>(3)</sup>	I
	7	Bridge SPI CLK	I/O
	8	GND	S
	9	Bridge CAN RX <sup>(1)</sup>	I
	10	Bridge CAN TX <sup>(4)</sup>	O
	11	Bridge UART TX <sup>(4)</sup>	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 <sup>(5)</sup>	-
	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 <sup>(6)</sup>	O
	29	GND	S
	30	T_VCC <sup>(7)</sup>	I
	31	T_NRST	O
	32	T_SW_DIR	O



Sheet: /Debugger/  
File: Debugger.kicad\_sch

## Title:

Size: A4  
KiCad E.D.A. kicad (6.0.0-0)

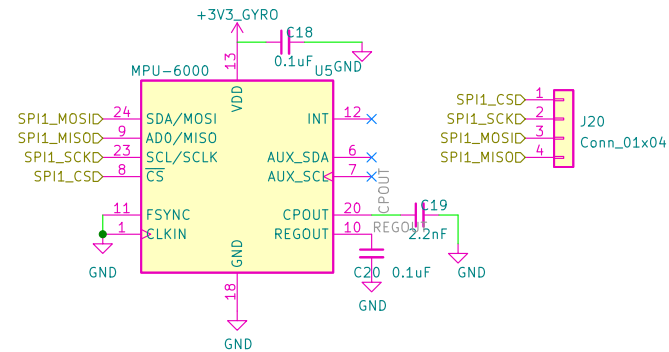
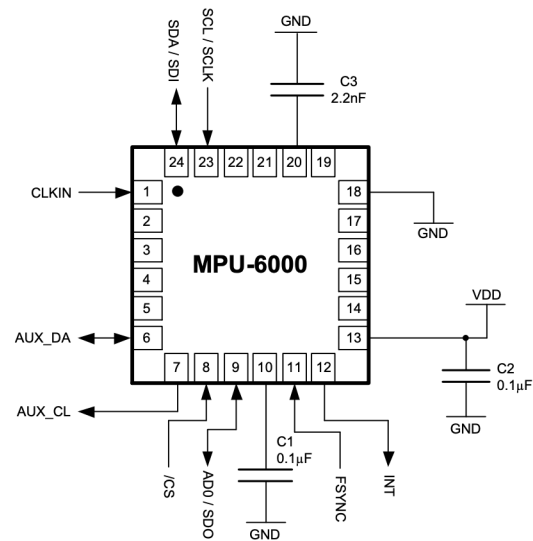
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# Gyro

## 7.2 Typical Operating Circuit



Sheet: /Gyro/  
File: Gyro.kicad\_sch

### Title:

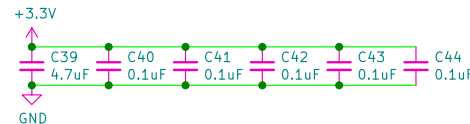
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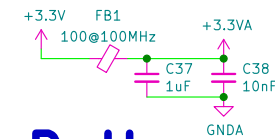
Rev:  
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# MCU

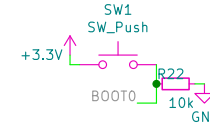
## Input Filtering



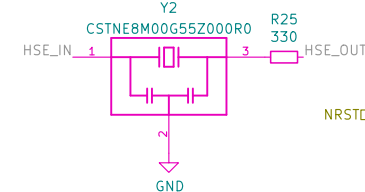
## Analog Filtering



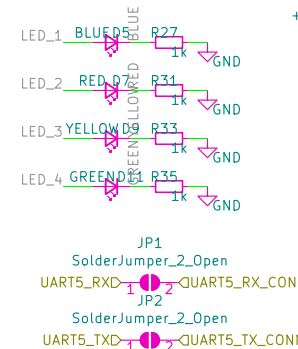
## Button



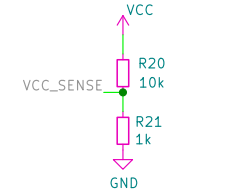
## Oscillator



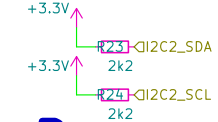
## User LEDs



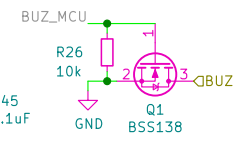
## Voltage Sense



## I2C PullUps



## Buzzer



## Power LEDs

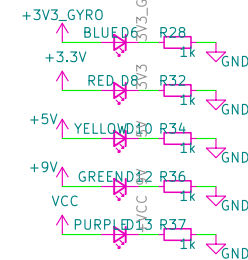
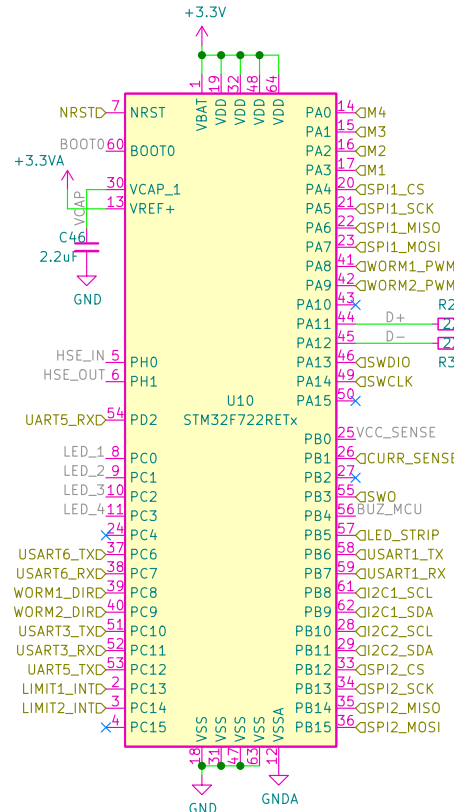
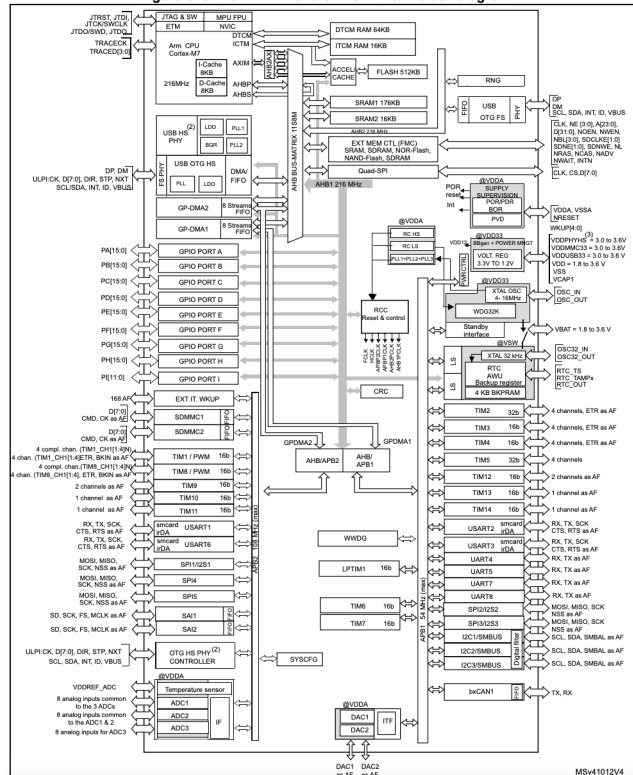


Figure 6. STM32F722xx and STM32F723xx block diagram



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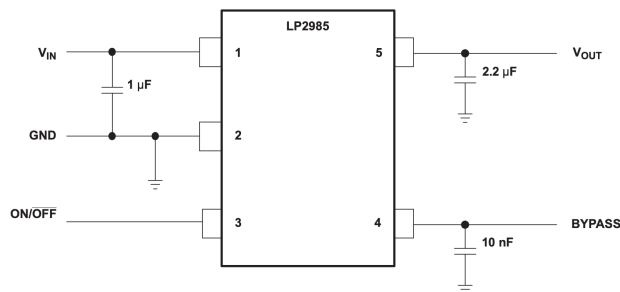
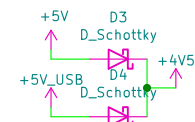
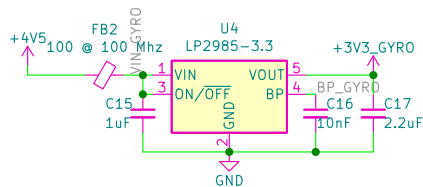
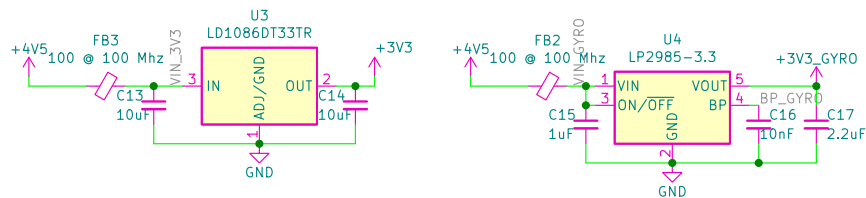
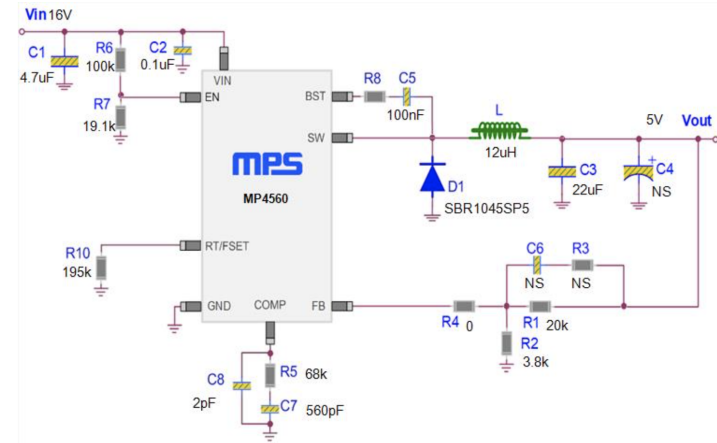
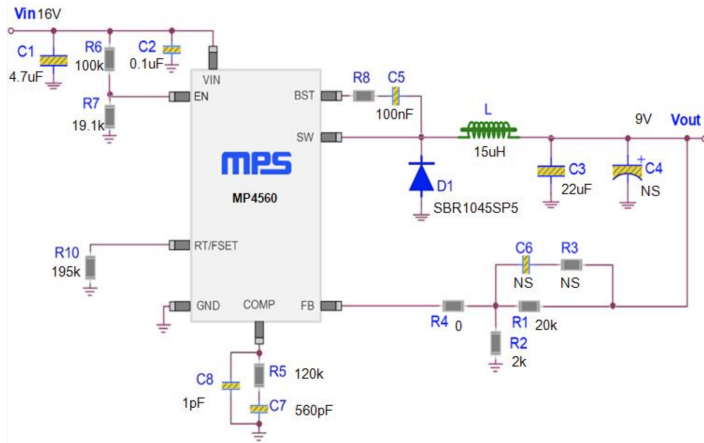
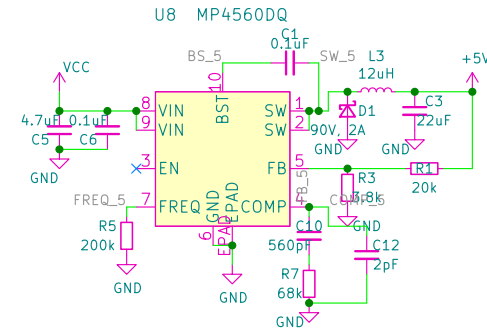
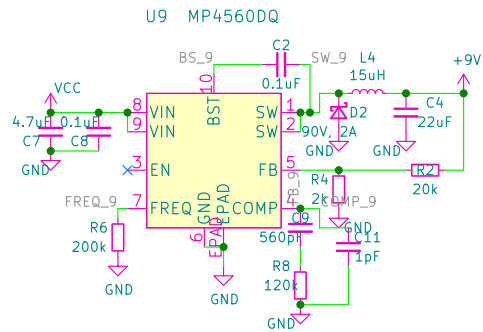
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# Power



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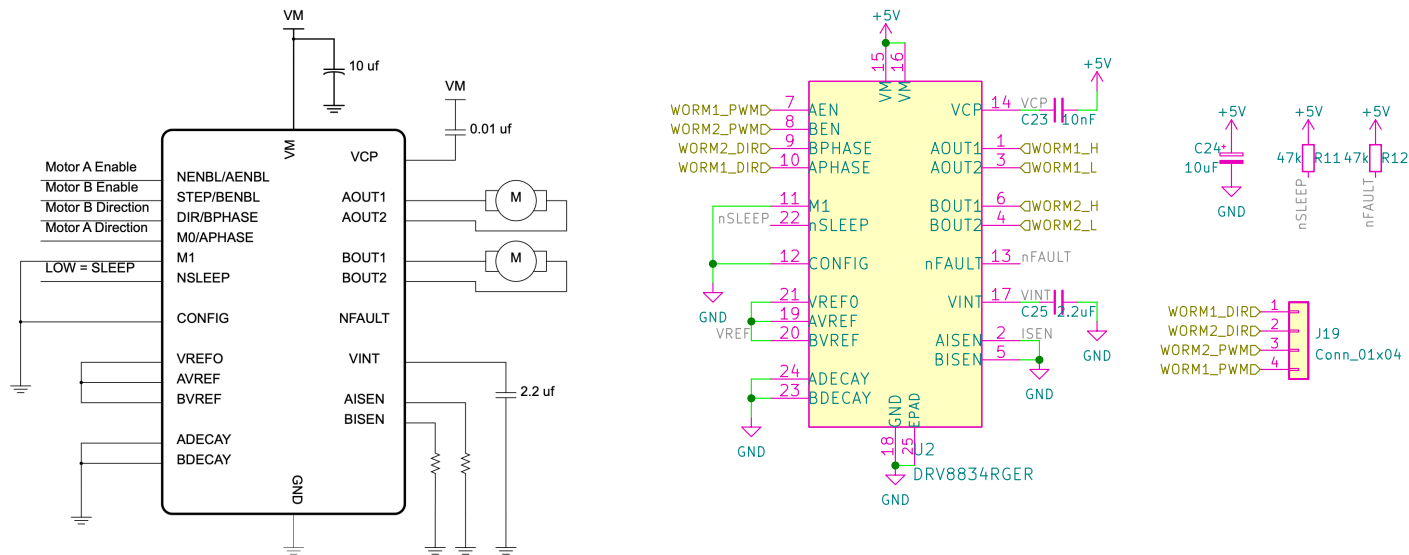
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# Worm Motor Driver



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