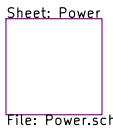
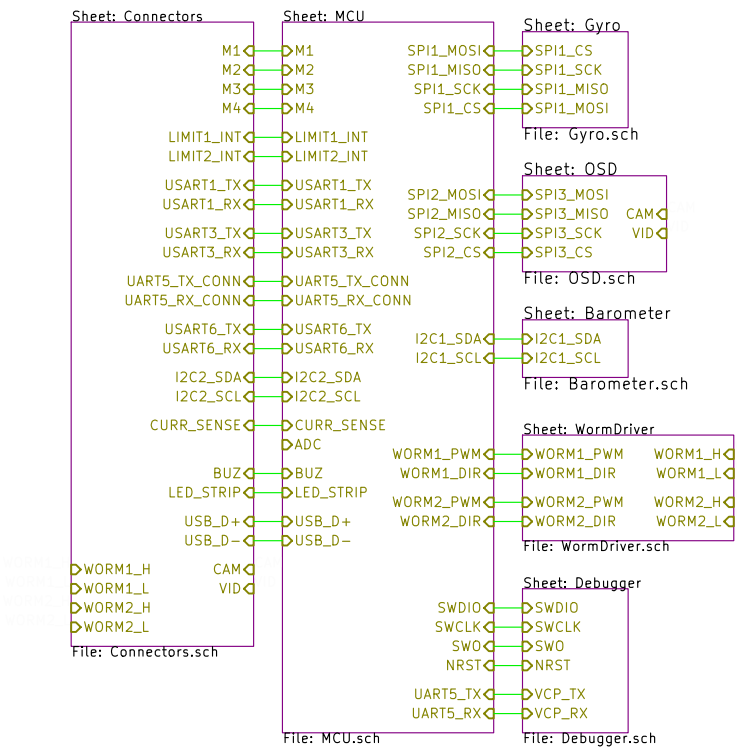
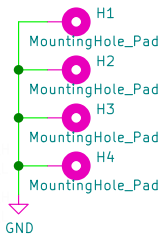


# Main



## Mounting Holes

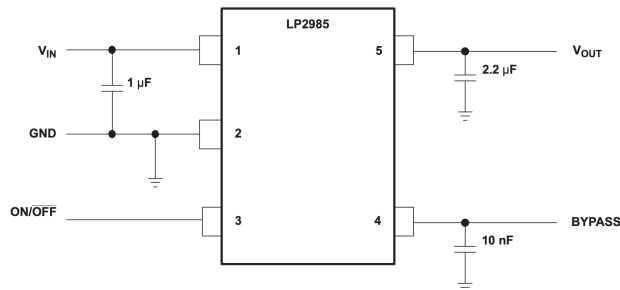
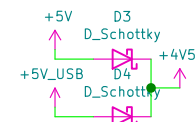
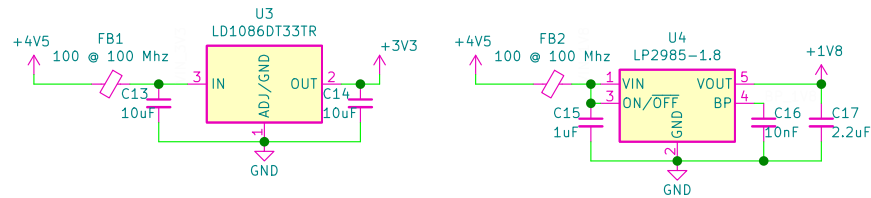
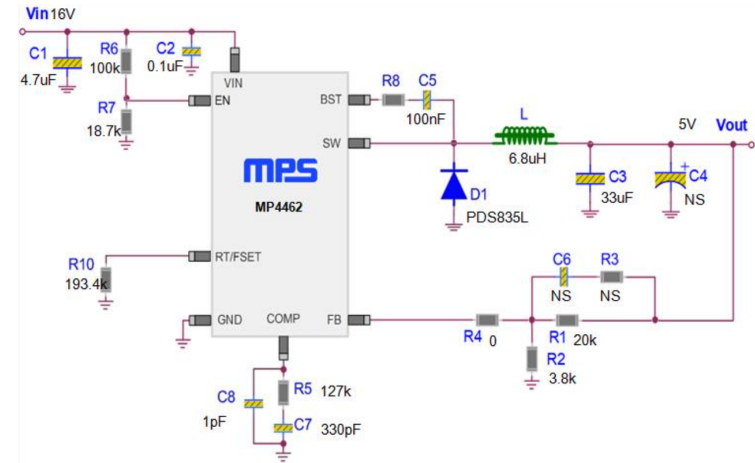
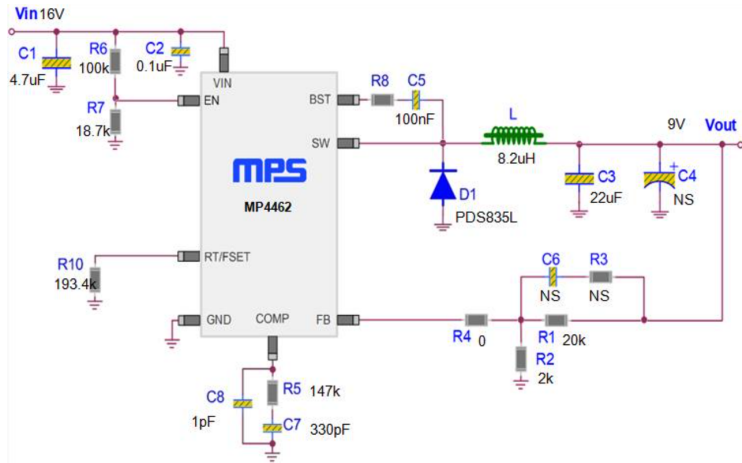
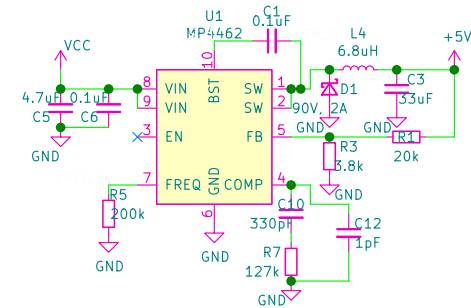
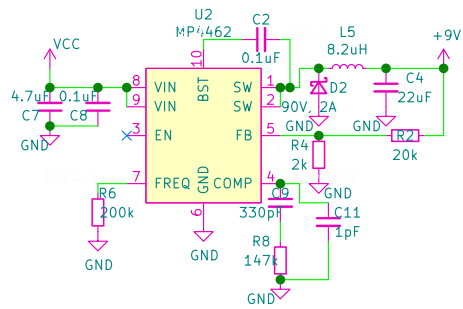


## Images

L2 L3  
EGA Arrow

Sheet: /		
File: Autodrone.sch		
Title: F722 Flight Controller		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad (5.1.6-0-10_14)		Id: 1/9

# Power



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Size: A4

Date:

KiCad E.D.A. kicad (5.1.6-0-10\_14)

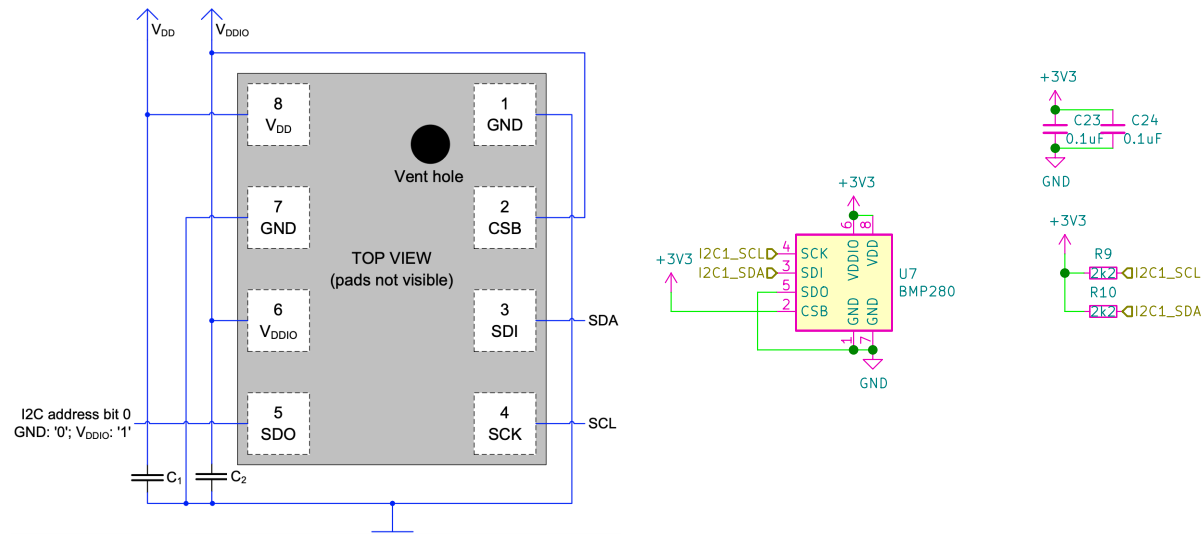
Rev:

Id: 2/9

## A



# Barometer



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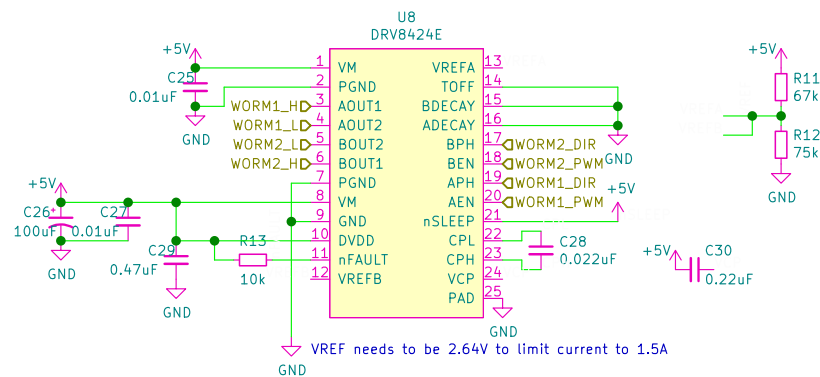
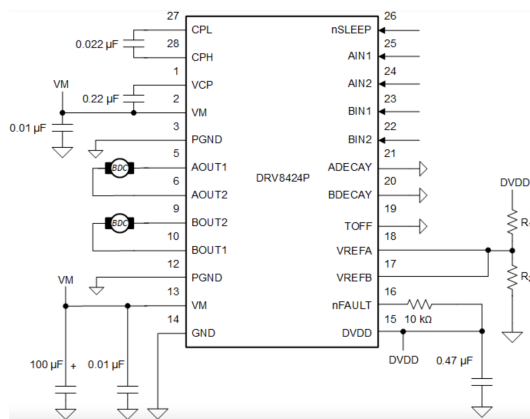
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Date:

Rev:

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# Worm Motor Driver



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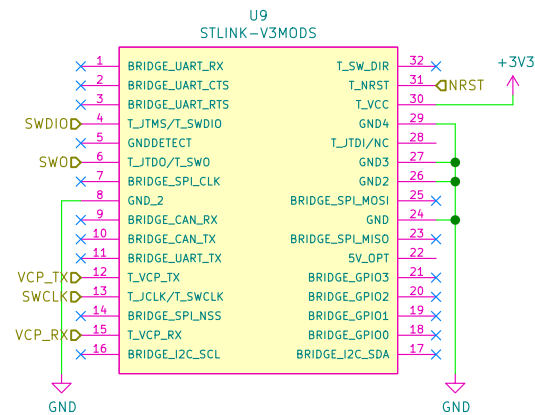
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# Debugger

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.sch

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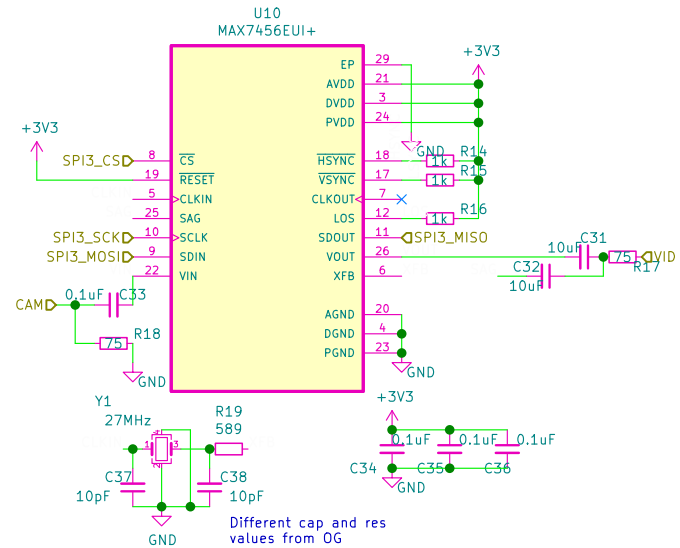
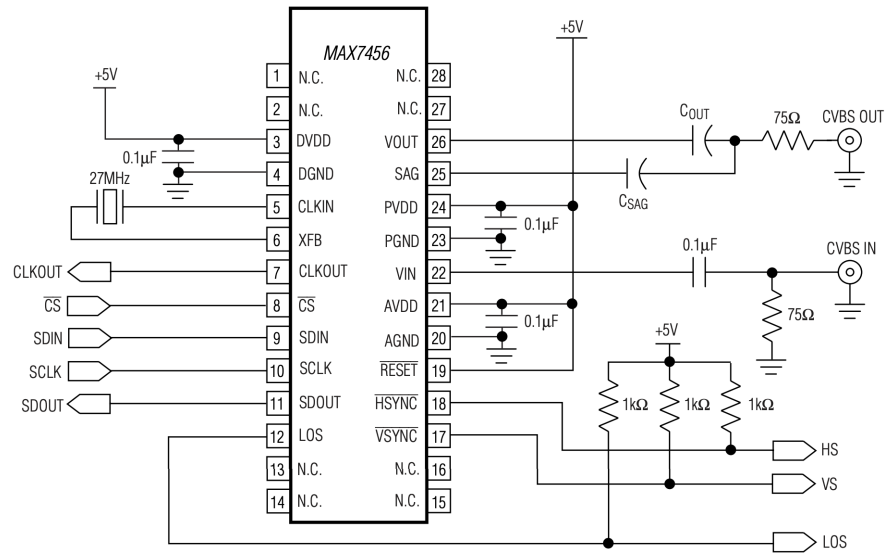
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# OSD



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**Title:**

Size: A4

Date:

KiCad E.D.A. kicad (5.1.6-0-10\_14)

**Rev:**

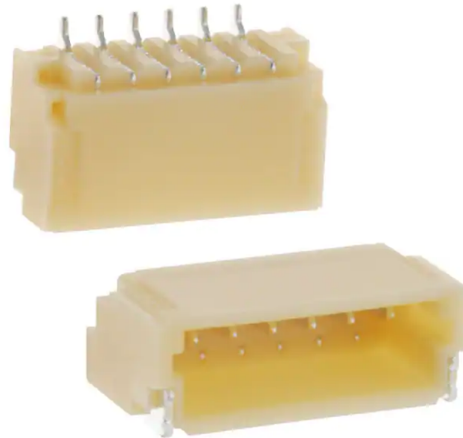
Id: 7/9

# Connectors

## JST 8 Pin Conn



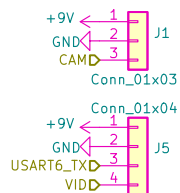
## JST 6 Pin Conn



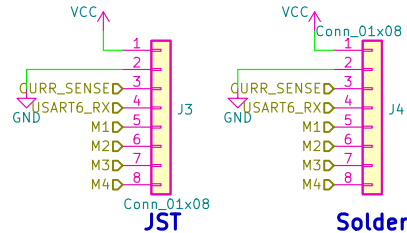
## USB Conn



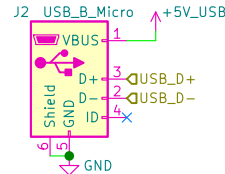
### CAMERA



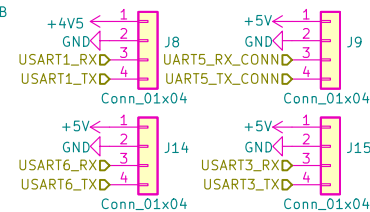
### FC to ESC Harness



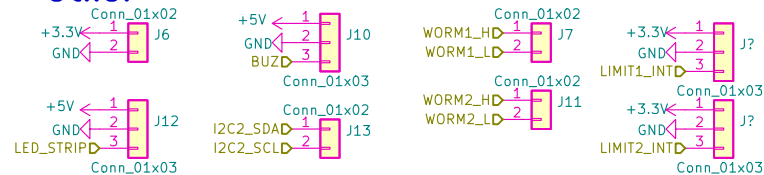
### USB



### UARTS



### Other



Sheet: /Connectors/  
File: Connectors.sch

**Title:**

Size: A4

Date:

KiCad E.D.A. kicad (5.1.6-0-10\_14)

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# MCU

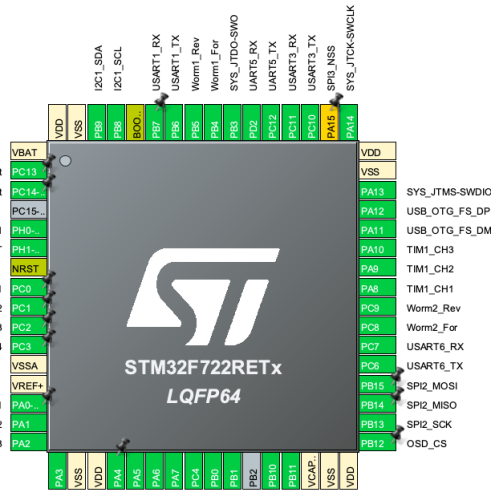
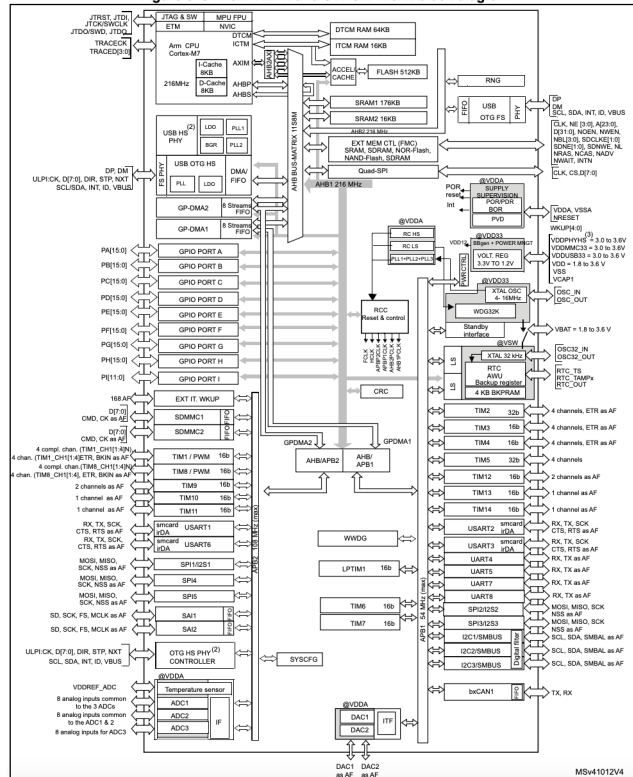
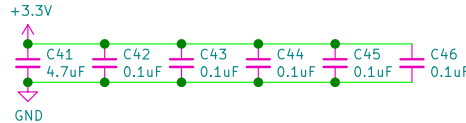


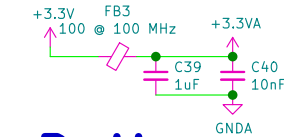
Figure 6. STM32F722xx and STM32F723xx block diagram



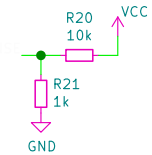
## Input Filtering



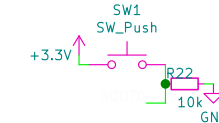
## Analog Filtering



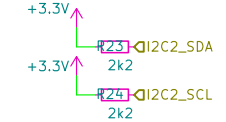
## Voltage Sense



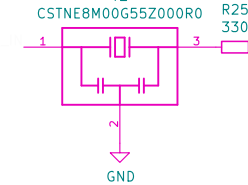
## Button



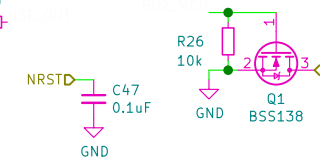
## I2C PullUps



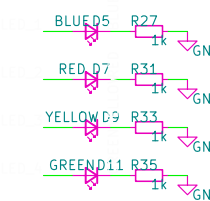
## Oscillator



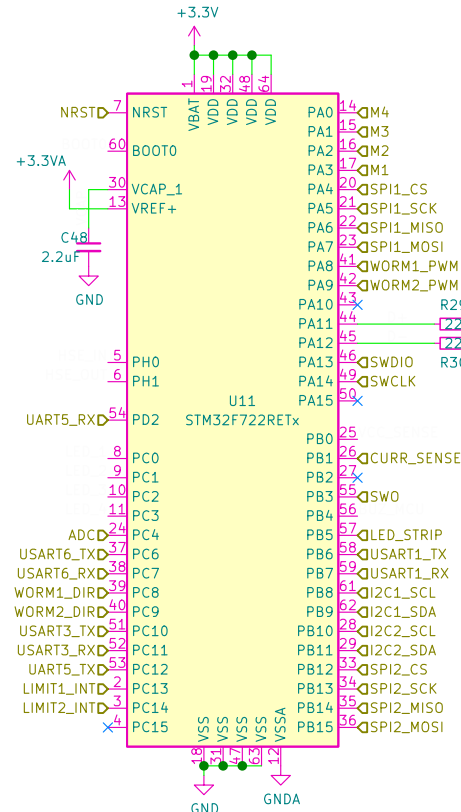
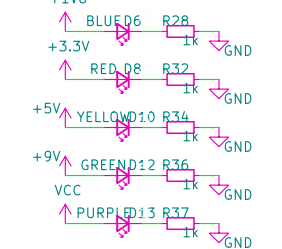
## Buzzer



## User LEDs



## Power LEDs



Sheet: /MCU/		File: MCU.sch	
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Size: A4	Date:	Rev:	
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