

FC:

target:	GEPRC_F722_AIO
MCU:	STM32F722RET6
IMU:	ICM 42688-P
BLACKBOX:	16MB
Baro:	YES
BEC:	5V 3A
Size:	35.0mm x 34.3mm
Install hole:	25.5mm x 25.5mm
Input Voltage:	2-6S LiPo
Uart:	5 Set

ESC:

Continuous Current:	35A
Burst Current:	45A(5S)
Input Voltage:	2-6S (8.4-25.2V)
Firmwar:	BLHeli32

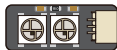


Buzzer&LED:

GEPRC Super Buzzer



BUZZER

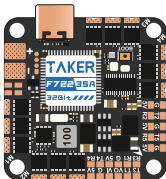


LED

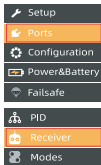
BZ-
5V
GND

GND BZ-
5V LED

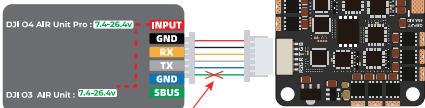
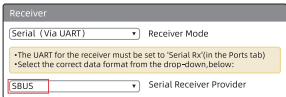
DIN
5V
GND



DJI FPV Digital System:

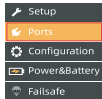
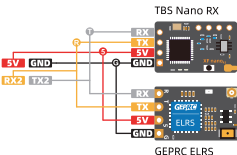
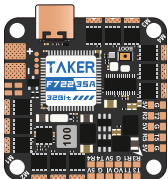


Identifier	Configuration/MSP	Serial RX
USB VCP	<input checked="" type="checkbox"/> 115200 ▼	<input type="checkbox"/>
UART1	<input checked="" type="checkbox"/> 115200 ▼	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200 ▼	<input checked="" type="checkbox"/>

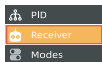


If using an external receiver, disconnect this line

Receiver: (TBS Nano RX/ELRS)



Identifier	Configuration/MSP	Receiver
USB VCP	<input checked="" type="checkbox"/> 115200 ▼	<input type="checkbox"/>
UART1	<input type="checkbox"/> 115200 ▼	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115208 ▼	<input checked="" type="checkbox"/>



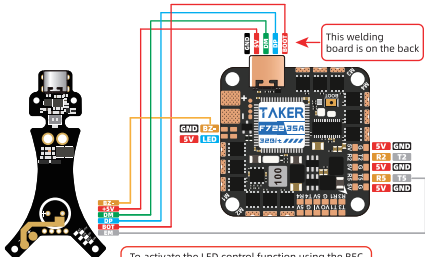
Receiver

Serial(via UART) ▼ Receiver Mode

The UART for the receiver must be set to "Serial Rx"(in the Ports tab)
Select the correct data format from the drop-down,below:

CRSF ▼ Serial Receiver Provider

CineLog30 V3 Custom Feature Edition:



To activate the LED control function using the BEC on the EM pin, flash this configuration:

```
resource SERIAL TX 5 none
resource PINIO 2 C12
set pinio config = 129,1,1
set pinio box = 39,40,41,42
save
```

Then, open the "Modes" tab and enable the channel switch



GPS:

Setup

Ports

Configuration

Power&Battery

Failsafe

Identifier		Sensor Input	
USB VCP		Disabled ▾	AUTO ▾
UART1		Disabled ▾	AUTO ▾
UART2		Disabled ▾	AUTO ▾
.....	 ▾ ▾
UARY4	→	GPS ▾	115200 ▾

Setup

Ports

Configuration

Power&Battery

Failsafe

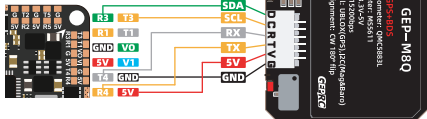
GPS GPS for navigation and telemetry

UBLOX protocol

Auto Baud

Auto Config

Set Home Point Once



LED Setup:

- Setup
- Ports
- Configuration**
- Power&Battery
- Failsafe

Other Features

- SERVO_TILT
- SOFTSERIAL
- SONAR
- TELEMETRY
- LED_STRIP

- Servo gimbal
- Enable CPU based serial ports
- sonar
- Telemetry output
- Multi-color RGB LED strip support

- Motors
- VideoTransmitter
- LED Strip**
- Sensors
- Tethered Logging

LED Strip Wiring

Wire Ordering Mode

Clear selected

Clear ALL Wiring



Choose a color for each LED

LED Functions

Function

Color modifier Blink Blink always

Larson scanner

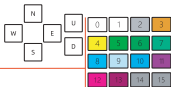
Overlay

Warnings

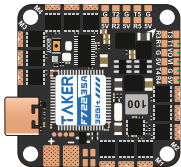
Indicator

VTX (uses vtx frequency to assign color)

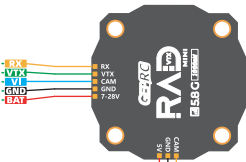
LED Orientation: ('Modes&Orientaion') and Color



Analog VTX:



GERPC RAD MINI VTX

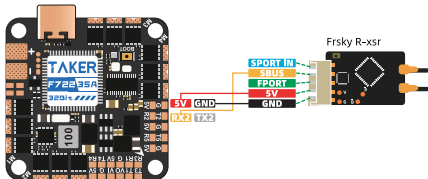


Caddx Rater



	Identifier	Configuration/MSP	Peripherals		
Setup	USB VCP	<input type="checkbox"/>	115200	Disabled	AUTO
Ports	UART1	<input checked="" type="checkbox"/>	115200	→	VTX(IRC Tramp)	AUTO
Configuration	UART2	<input type="checkbox"/>	115200	Disabled	AUTO

Receiver: (Frsky R-xsr)



- Setup
- Ports**
- Configuration
- Power&Battery
- Failsafe

Identifier	Configuration/MSP	Receiver
USB VCP	<input checked="" type="checkbox"/> 115200 ▼	<input type="checkbox"/>
UART1	<input type="checkbox"/> 115200 ▼	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200 ▼	<input checked="" type="checkbox"/>

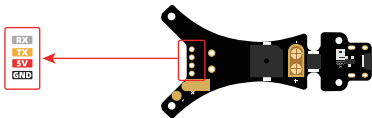
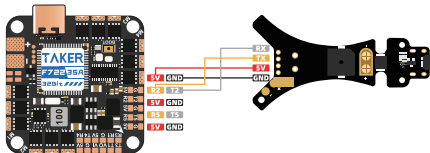
- PID
- Receiver**
- Modes

Receiver

Serial(via UART) ▼ Receiver Mode

The UART for the receiver must be set to 'Serial Rx'(in the Ports tab)
Select the correct data format from the drop-down,below:

SBUS ▼ Serial Receiver Provider



CAUTION:

- 1 Aircraft of 3 inches or more need to install a capacitor, which is included in the package.
 - 2 All wires should try to avoid the gyroscope, so as not to affect the normal work of the gyroscope.
 - 3 After soldering, please check that all connections are correct to avoid damage after power-on.
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