

GEP-F722-45A AIO v2

FC:F722

ESC:BLS_45A

GEPRC

Specification:

Model Name: GEP-F722-45A AIO v2

MCU: STM32F722

Gyro: ICM-42688-P

Firmware target: GEPRC_F722_AIO

OSD: AT7456E

Current: YES

Beeper: YES

LED: YES

Black Box: 16MB

USB: micro USB

BEC output: 5V@2.5A

ESC MCU: 8BB21F16G

Continuous current: 45A

MAX current: 55A (10s)

Input Voltage: 2-6S LiPo

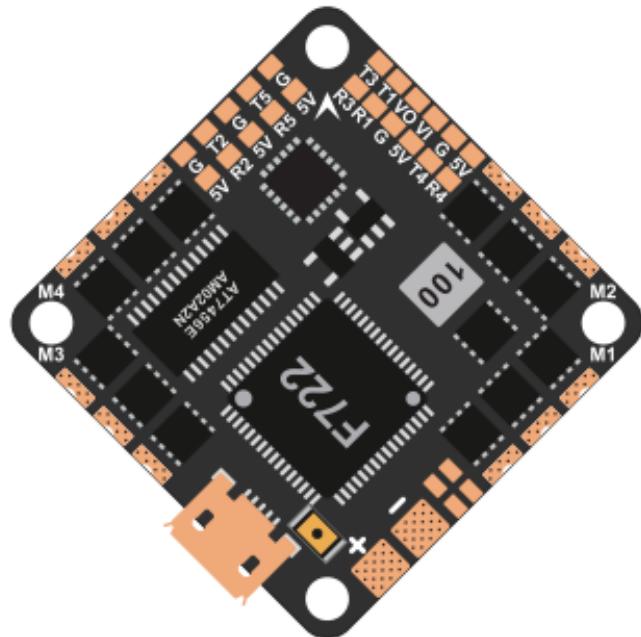
Supports: Dshot600,Oneshot,Multishot

ESC Target: G_H_30

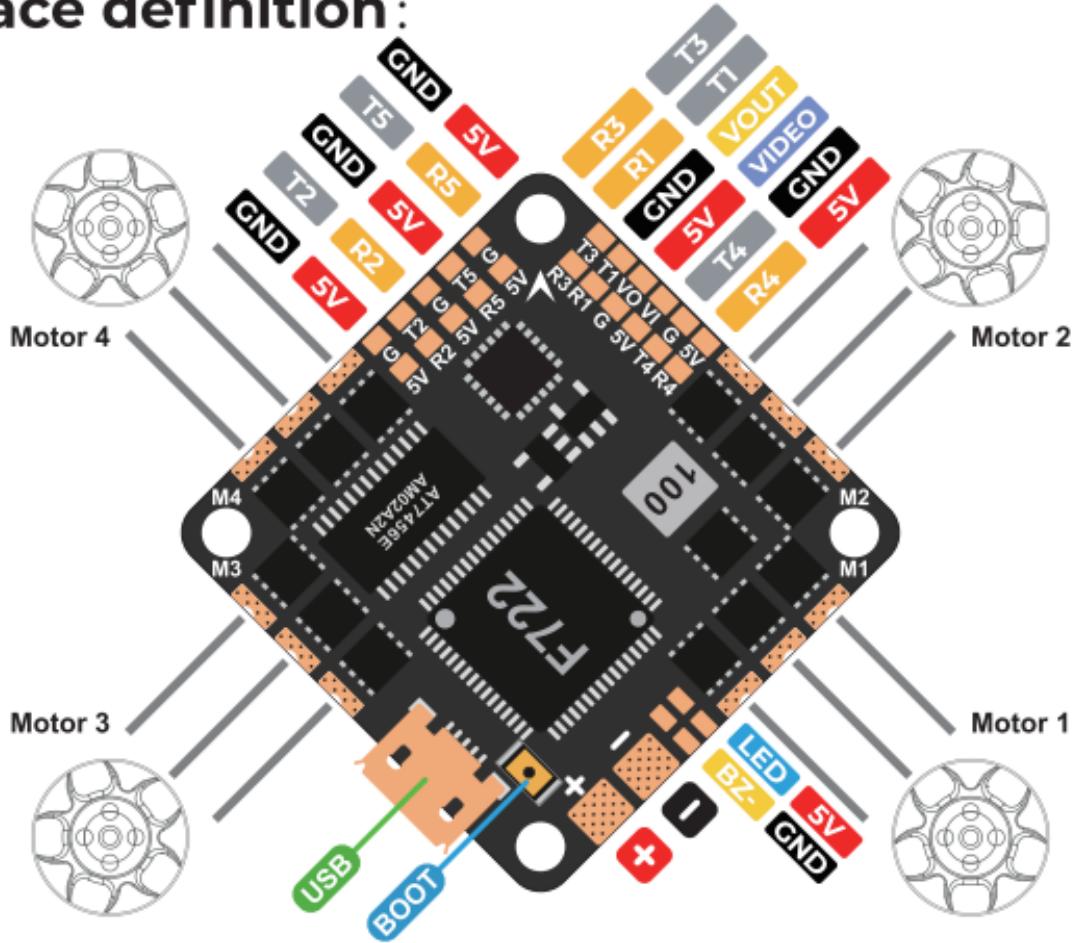
Size: 32x32mm

Installing Hole: 25.5x25.5mm(M3)

Weight: 8.3g



Interface definition:



DJI Diagram FPV 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"/>

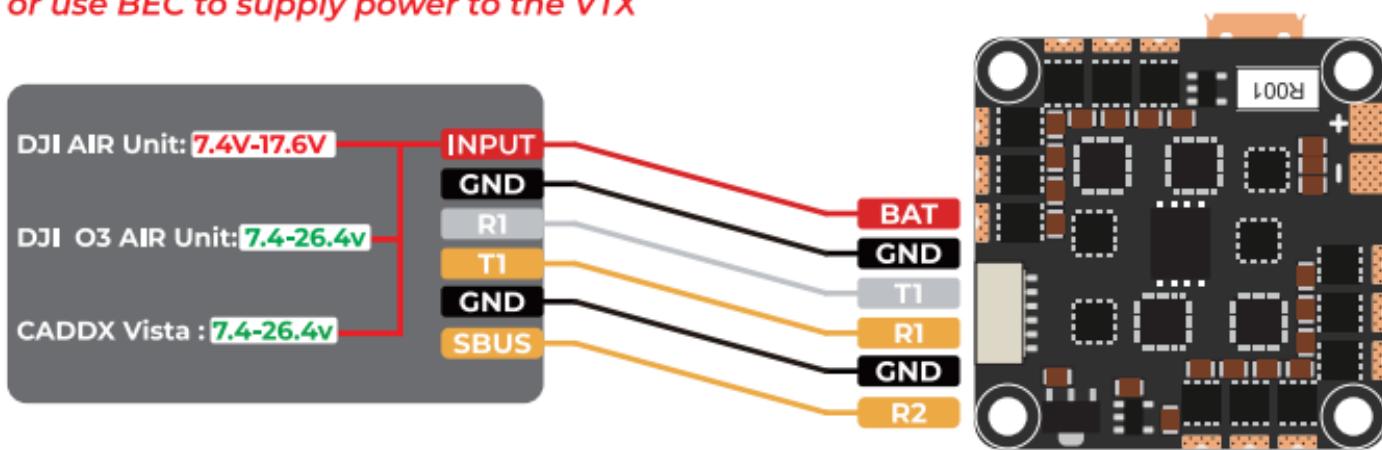
Receiver

Serial-based receiver(SPEKSAT,S ▾ Receiver Mode

Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.

SBUS ▾ Serial Receiver Provider

When using the "BAT" interface to power VTX, make sure your battery voltage is within the voltage range required by VTX to avoiding damage the VTX board, or use BEC to supply power to the VTX

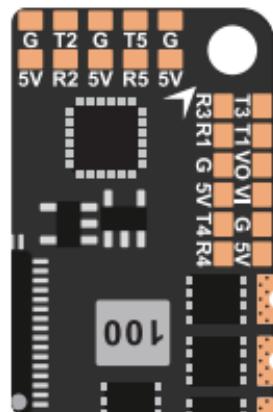


Analog VTX:

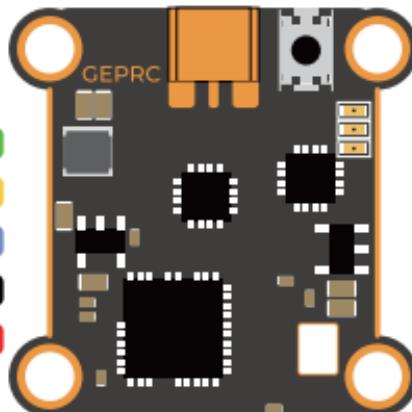
Identifier	Configuration/MSP	Peripherals	
USB VCP	<input type="checkbox"/> 115200 ▾	Disabled	AUTO ▾
UART1	<input type="checkbox"/> 115200 ▾	VTX,IRC Tamp	AUTO ▾
UART2	<input type="checkbox"/> 115200 ▾	Disabled	AUTO ▾

Other Features

- AIRMODE
- OSD
- DYNAMIC_FILTER



STABLE VTX58600N



Camera:

Other Features

AIRMODE

Permanently enable Airmode

OSD

On Screen Display

DYNAMIC_FILTER

Dynamic gyro notch filtering



Receiver:

Identifier	Configuration/MSP	Serial RX
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"/>

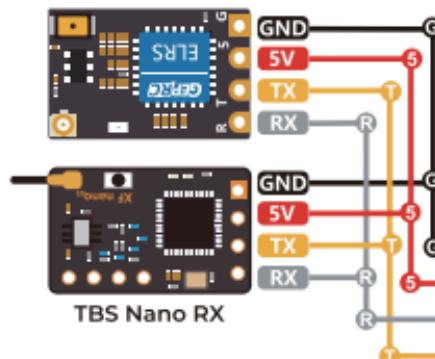
Receiver

Serial-based receiver(SPEKSAT,S ▾) Receiver Mode

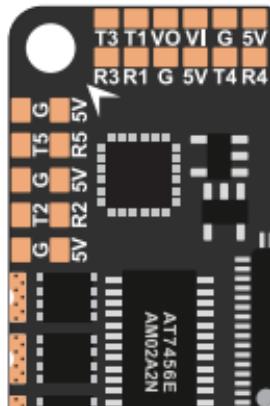
Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.

CRSF ▾ Serial Receiver Provider

GEPRC ELRS



GND 5V
T5 R5
GND 5V
T2 R2
GND 5V



Receiver:

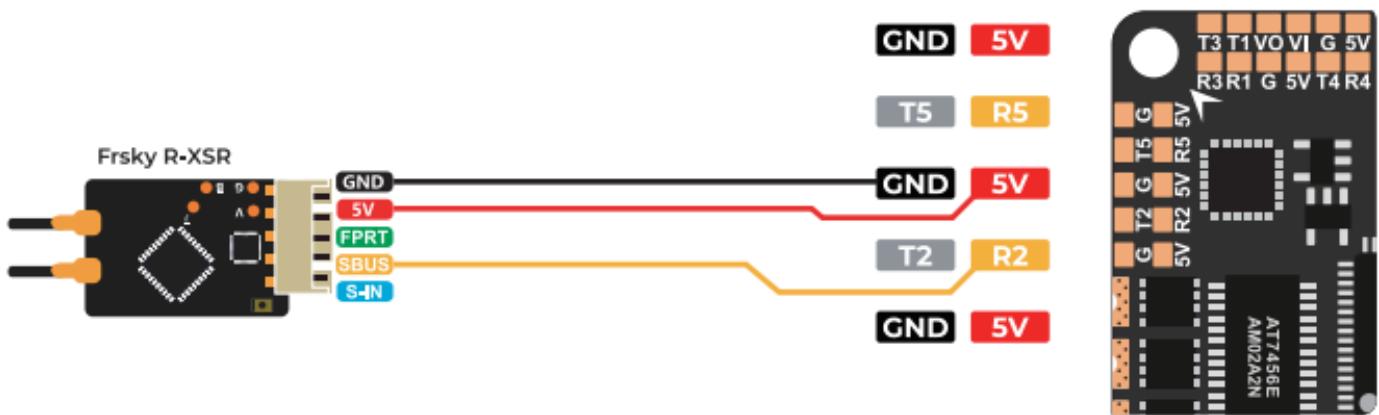
Identifier	Configuration/MSP	Serial RX
USB VCP	<input checked="" type="checkbox"/> 115200 ▾	<input type="checkbox"/>
UART1	<input type="checkbox"/> 115200 ▾	<input type="checkbox"/>
UART2	<input type="checkbox"/> 115200 ▾	<input checked="" type="checkbox"/>

Receiver

Serial-based receiver(SPEKSAT,S ▾) Receiver Mode

Note: Remember to configure a Serial Port (via Ports tab) and choose a Serial Receiver Provider when using RX_SERIAL feature.

SBUS ▾ Serial Receiver Provider



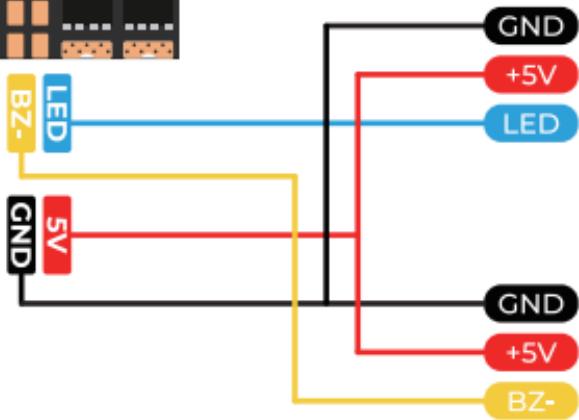
Buzzer & Led Board:

Other Features

- TELEMETRY
- LED_STRIP
- DISPLAY

Beeper Configuration

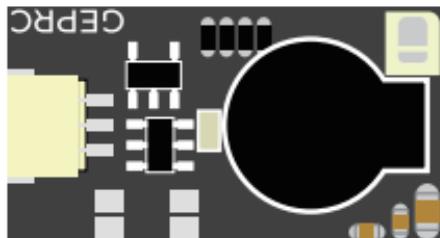
- GYRO_CACIBRATED
- RX_LOST
- RX_LOST_LOADING
-



GEPRC LED Board



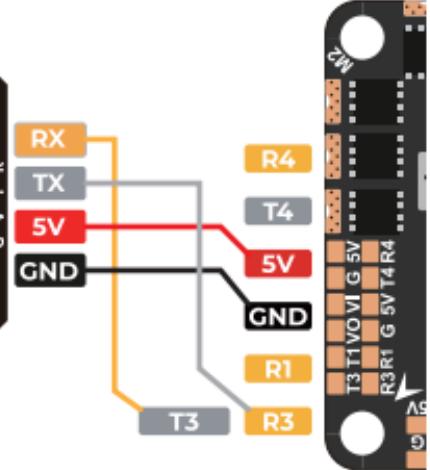
GEPRC Super Buzzer



GPS:

Setup	Identifier	Sensor Input	
Ports	USB VCP	Disabled	AUTO
Configuration	UART1	Disabled	AUTO
Power&Battery	UART2	Disabled	AUTO
Failsafe	UART3	GPS	AUTO

Setup	GPS		GPS for navigation and telemetry
Ports	<input checked="" type="checkbox"/>	UBLOX	protocol
Configuration	<input type="checkbox"/>	Auto Baud	
Power&Battery	<input type="checkbox"/>	Auto Config	
Failsafe	<input type="checkbox"/>	Set Home Point Once	
	<input type="checkbox"/>	Accelerometer	
	<input type="checkbox"/>	Barometer(if supported)	



Include:

1 x GEP-F722-45A AIO v2

1 x XT30-7CM-18AWG Power Cables

1 x 35V220UF Capacitor

1 x SH1.0-6Pin to GH1.25-8Pin Cables

1 x SH1.0-6Pin Cables

8 x M2*6.5mm Damping Rings

Contact:

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website



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Manual



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