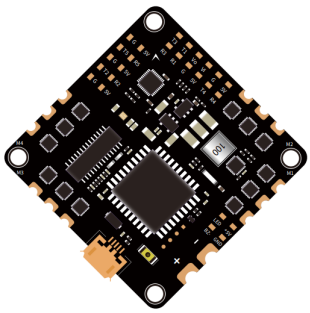

GEPRC GEP-35A-F7 Flight Controller User Manual

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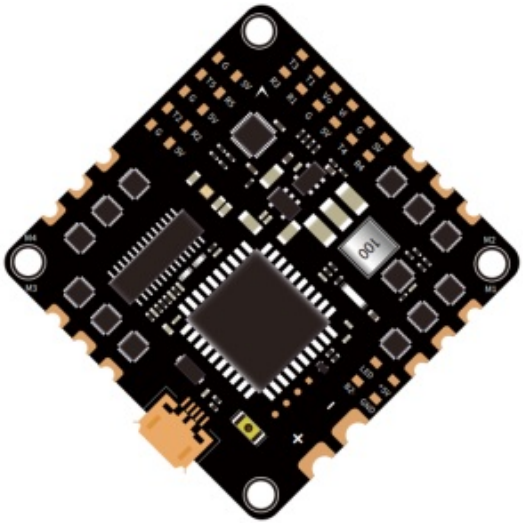


SPECS:

- **Model Name GEP-35A-F7**
- **MCU:** STM32F722
- **IMU:** MPU6000 gyro/accelerometer(SPI)
- **Firmware target** GEPRCF722
- **OSD:** Betaflight OSD w/ AT7456Ev
- **Current** YES
- **OSD** YES
- **Beeper** YES
- **LED** YES
- **USB** micro USB

- **BEC output** 5V@1A
- **Intergrated LC Filter**

  ESC MCU BB21F16G

  Continuous current 35A

  MAX current 45A (10s)

  Input 2~6S

  Supports Dshot600,Oneshot,Multishot

  Current meter 210

  Traget G_H_30

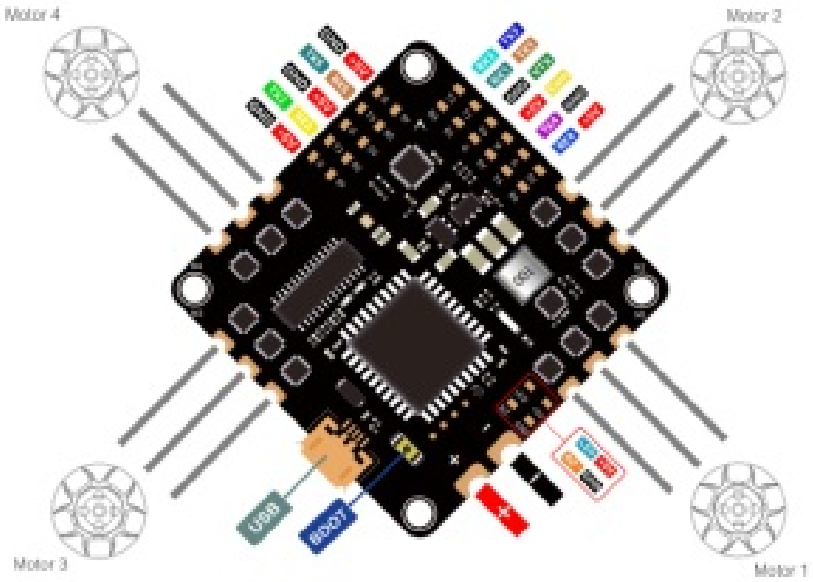
  Size 32x32mm Board

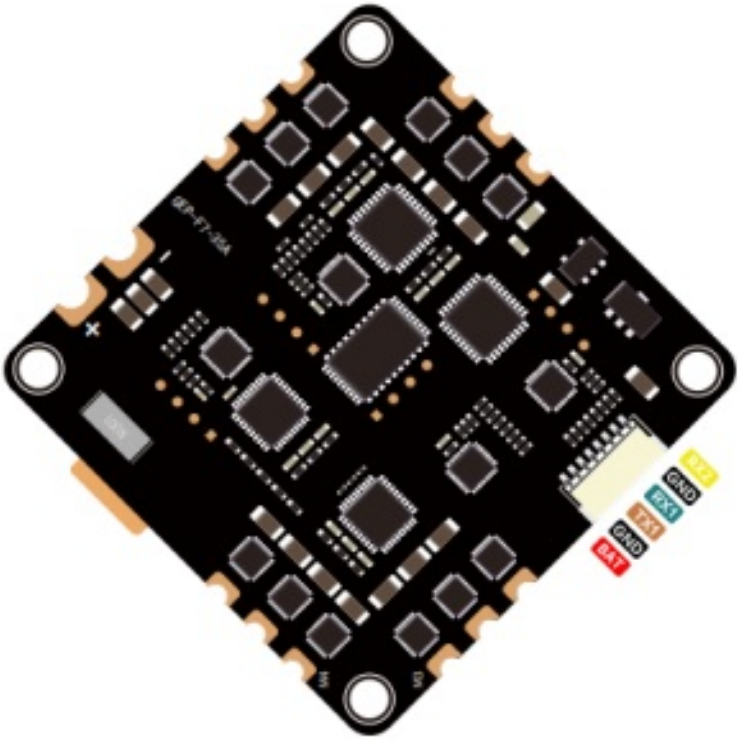
  Installing Hole 26.5×26.5mm,M2

  Weight 8.3g

Contents

Instruction Diagram

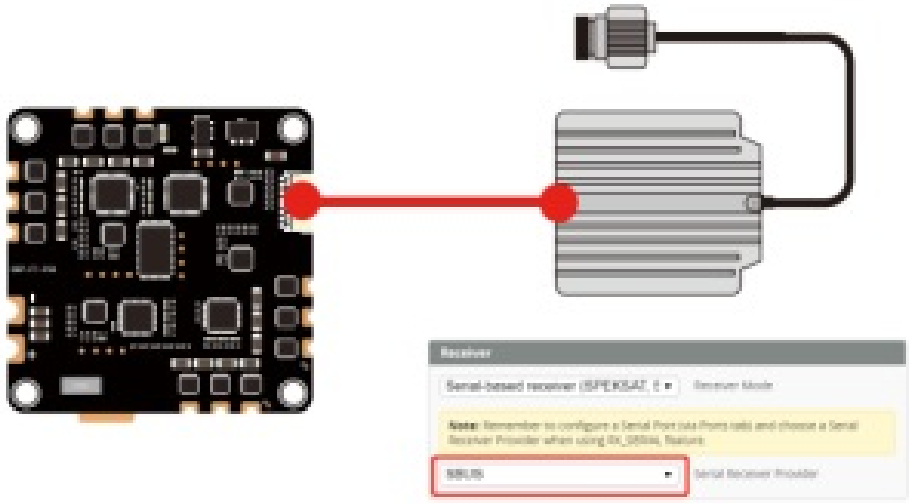




DJI Digital FPV System

Note: not all combinations are valid. When the flight controller firmware detects this the serial port configuration will be reset.

Note: Do NOT disable MSP on the first serial port unless you know what you are doing. You may have to reflash and erase your configuration if you do.



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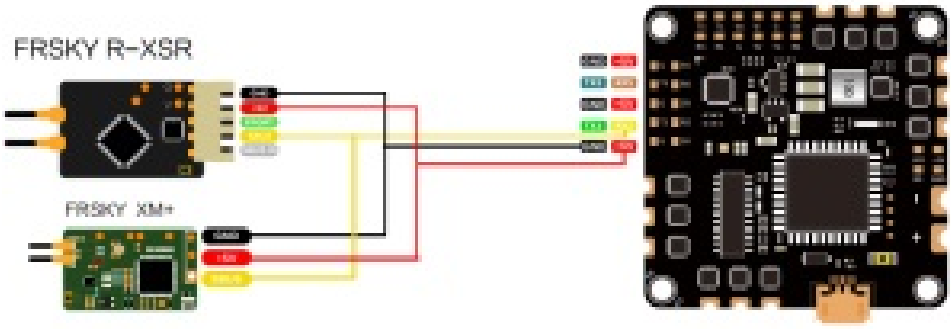
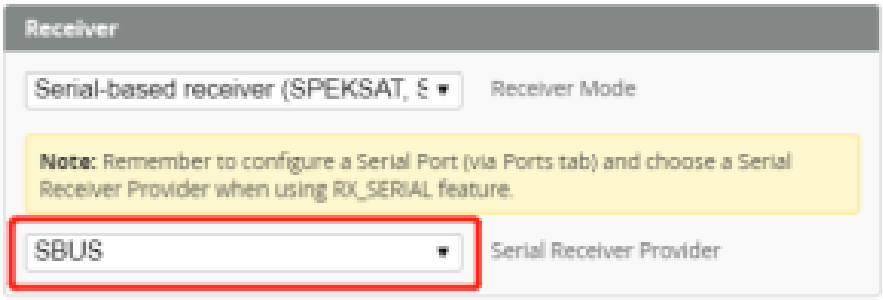




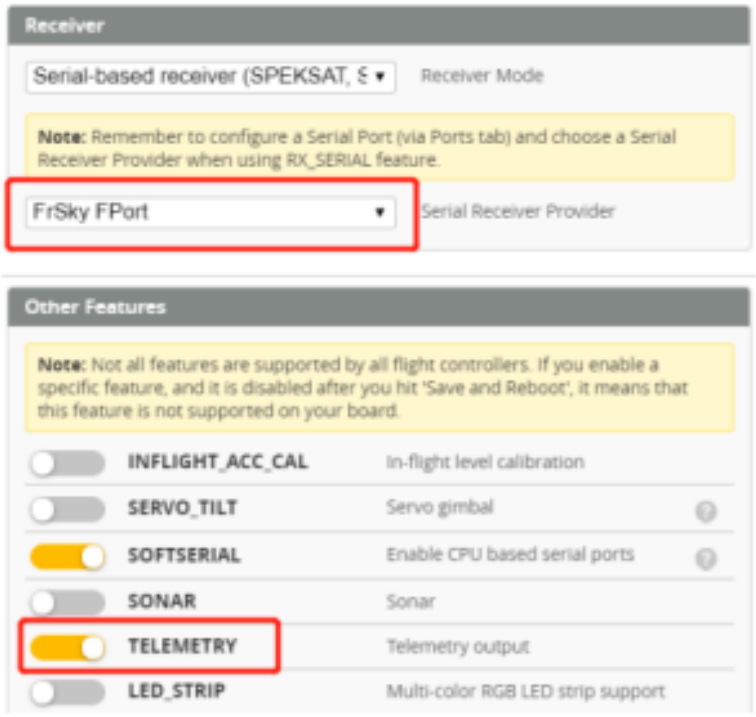
Note: not all combinations are valid. When the flight controller firmware detects this the serial port configuration will be reset.

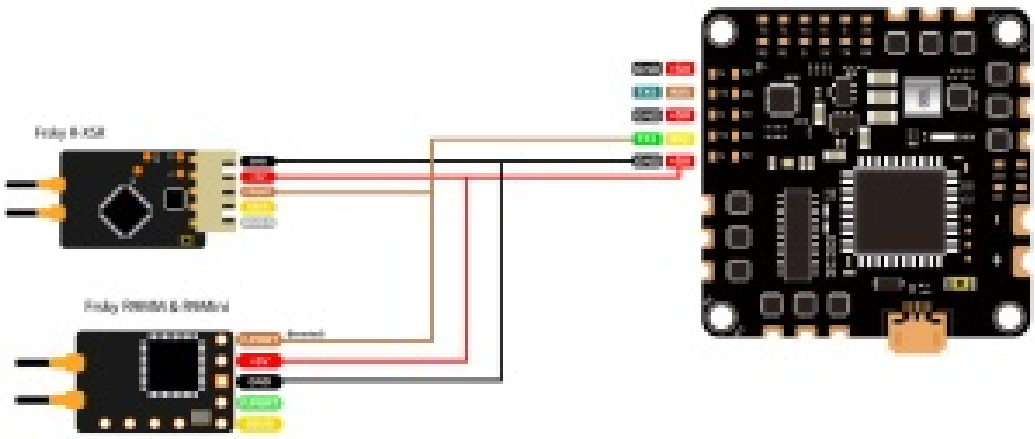
Note: Do NOT disable MSP on the first serial port unless you know what you are doing. You may have to reflash and erase your configuration if you do.

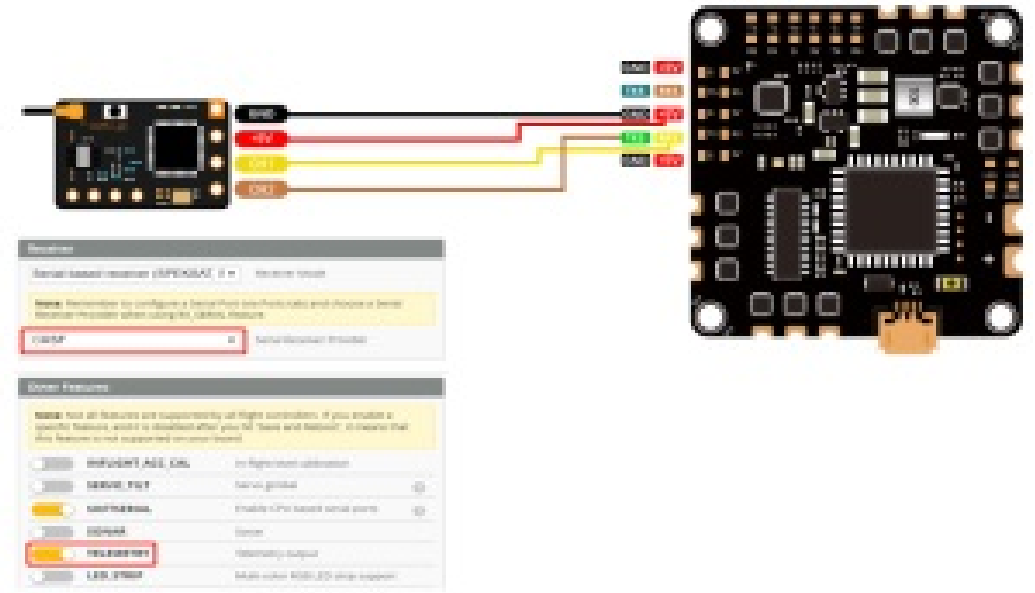
F. Port

CLI

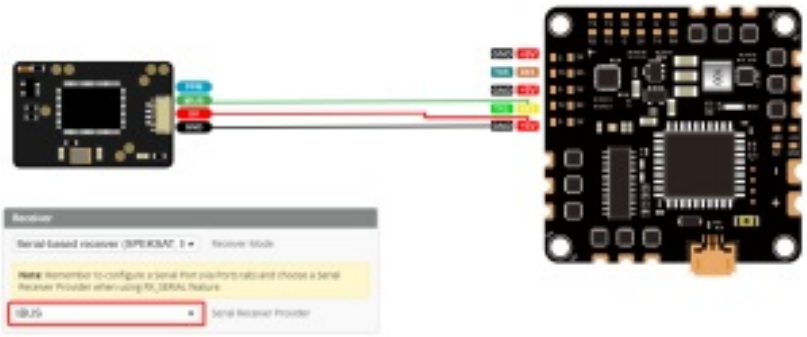
set serialrx_halfduplex = ON
set serialrx_inverted = ON save







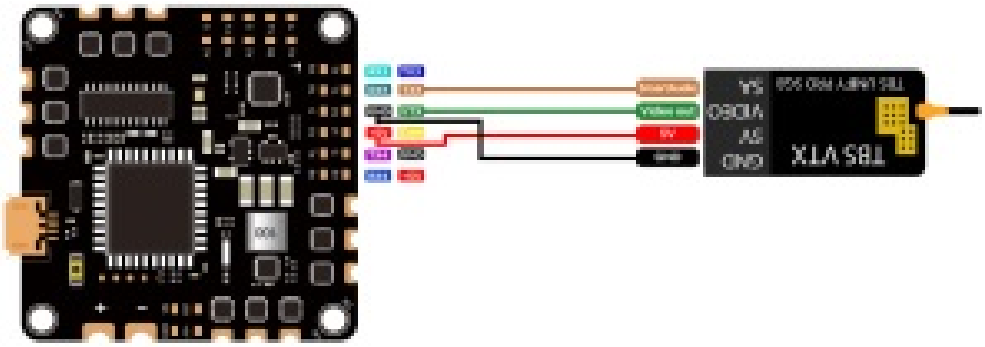
FlySky FSA8S V2



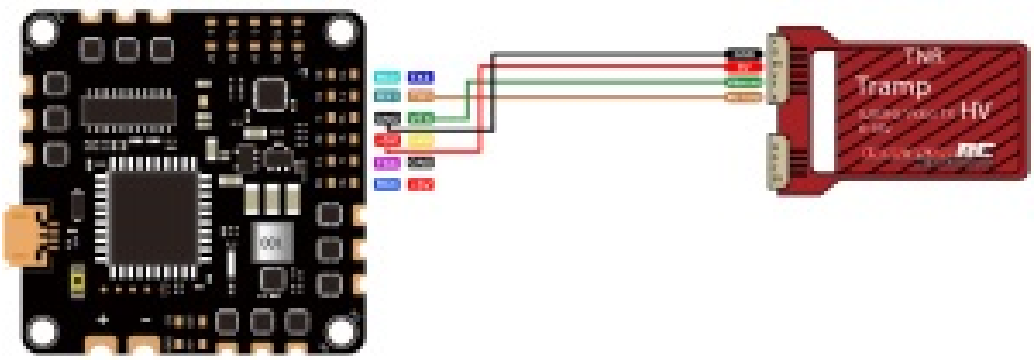
VTX

Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200		Disabled AUTO	Disabled AUTO	VTX (TBS Smi AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART5	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO

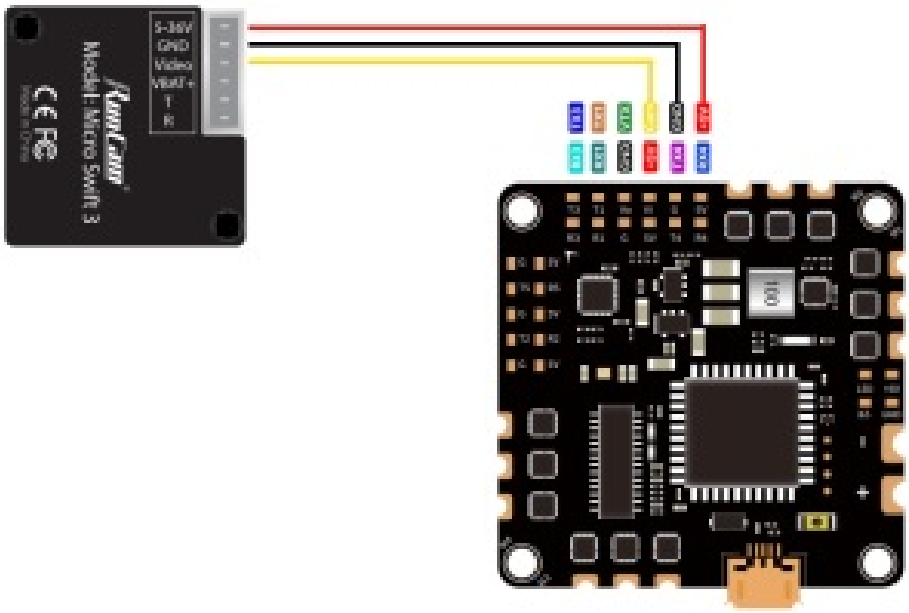
TBS UNIFY PRO 5GB



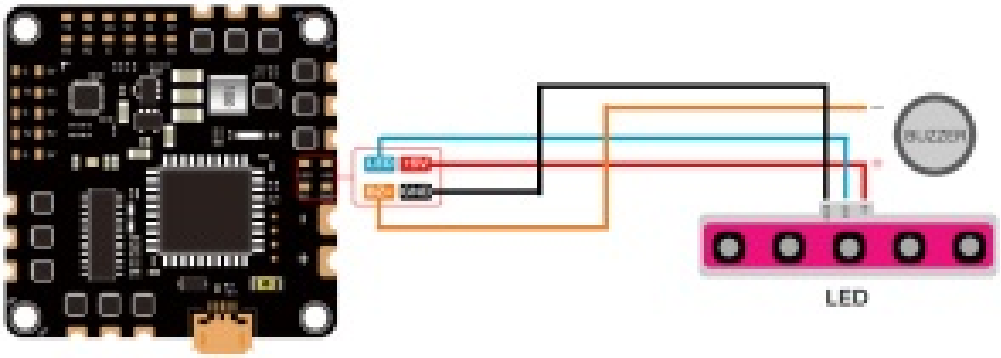
Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	115200		Disabled AUTO	Disabled AUTO	VTX (IRC Tram AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART5	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO



Camera



LED and Buzzer



GPS

Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
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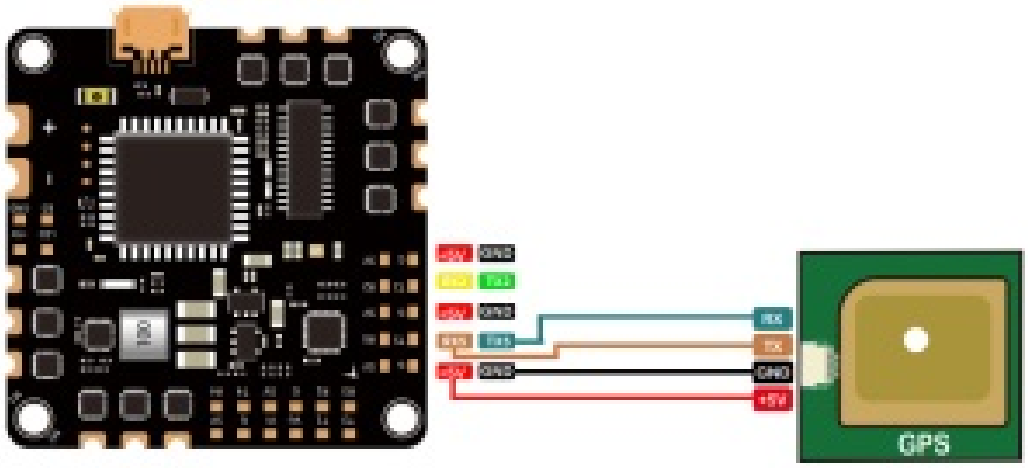
UART1	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART2	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART4	115200		Disabled AUTO	Disabled AUTO	Disabled AUTO
UART5	115200		Disabled AUTO	GPS AUTO	Disabled AUTO



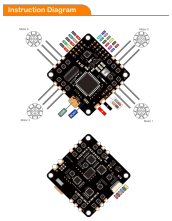
Official website

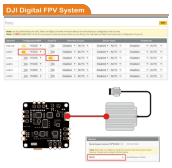
Manual

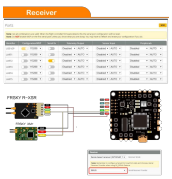
Facebook

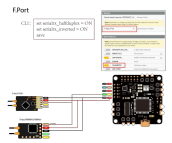
Instagram

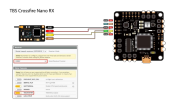
Documents / Resources

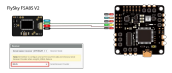












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GEP-35A-F7, Flight Controller