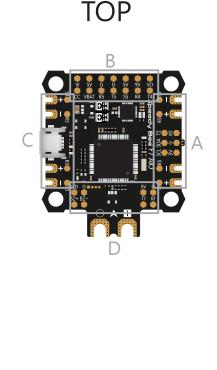
EDY BEE ROLLER METERS

Speedy Bee F7 AIO Manual



♦ S2: ESC Signal♦ R5: ESC Telemetry ♦ T2/R2: UART2

Features-A

- ♦ SDA/SCL: I2C used for external Compass module
- ♦ 5V (Max. 2.5A): 5V output for other devices
 ♦ R5: ESC Telemetry
 ♦ S1: ESC Singal
- Features-B
- ♦ VI: Video input
 ♦ 5V (Max. 2.5A): 5V output for other devices
- ♦ G: Ground
- ♦ 5V(Max. 2.5A): 5V output for other devices ♦ 9V(Max. 2.5A): 9V output for other devices ◇ VO: Video output◇ CC: BetaFlight Camera Control
- ◇ VBAT: Battery voltage filtered◇ R5/T5: UART5
- ♦ S5: ESC Singal
- Features-C ♦ S4: ESC Signal♦ R5: ESC Telemetry

♦ R5: ESC Telemetry♦ S3: ESC Signal Features-D

♦ G: Ground

♦ T1/R1: UART1

 \Diamond USB

LED1

- \Diamond LED: Used for WS2812 LED ♦ BZ+ & BZ-: 5V Buzzer
- **LED Indicators**

♦ JST 8PIN: G/BAT/S1/S2/S3/S4/CURR/TEL

♦ 5V(Max. 2.5A): 5V output for other devices

Features-E (4 in 1 ESC)

Constantly on: Bluetooth connected/Off: Not connected



BACK

LED3

LED2

♦ S3: ESC Singal♦ S4: ESC Singal ○ CURR: Current sensor signal IN or OUT

Features-F

Features-G ♦ RSSI: Receiver RSSI IN ♦ S.P: SmartPort

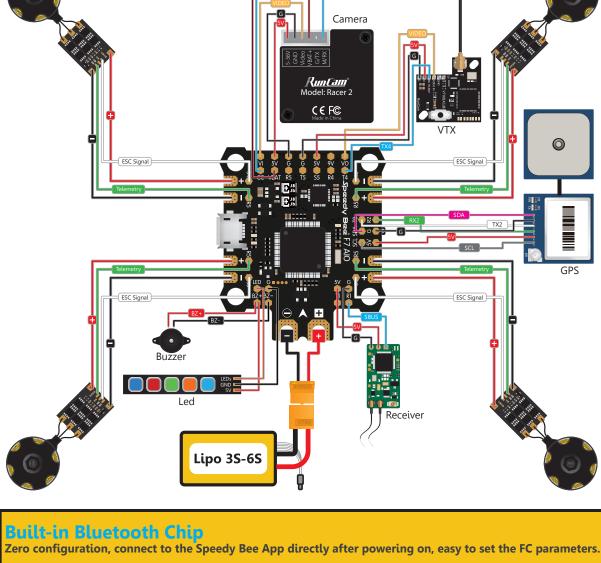
♦ S1: ESC Singal
♦ S2: ESC Singal ♦ BAT: Battery ♦ G: Ground

- ♦ Boot: Boot(DFU)mode button

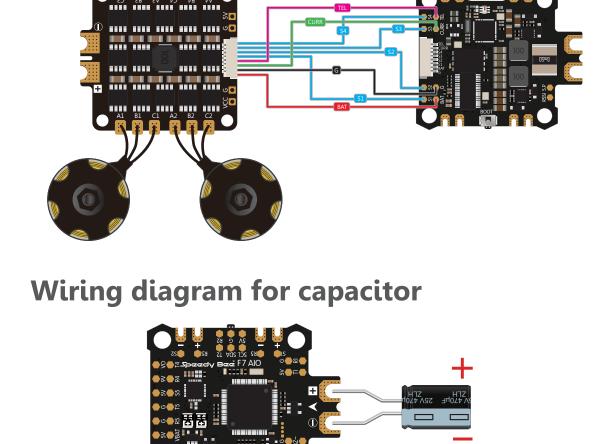
BetaFlight OSD RSSI input solder pad Smartport solder pad

STM32F722

- BetaFlight Camera Control Pad BLE Module: inner connect to UART3 for remote setting with Speedy Bee App or other similar apps
- Wiring Guide
- ICM20689 Integrated barometer Support 4in1 ESC 32mb flash



Wiring diagram for 4in1 ESC



Wiring diagram for receivers





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

▼ Serial Receiver Provider