

SEQURE H743 & E70 G2

FC & ESC For FPV Drones Racing Freestyle



High quality
hardware

Efficient
conversion

High performance
chip

Innovative
pads

Lightweight
design

SEQURE H743

Modle Name	SEQURE H743
MCU	STM32H743
Gyro	MPU6000
Barometer	BMP280
OSD Chip	AT7456E
Black Box	16MB
Firmware	SEQUREH7
Input Voltage	4-8S Lipo
BEC Output	5V/2.5A, 10V/2A
UARTS	6
Control Motors	M1-M8
LED	Support WS2812 LED Strip
Buzzer	Support
ESC Telemetry	RX8
USB	Type-C
Mounting Hole	20x20mm, Φ 4mm/30.5x30.5mm, Φ 4mm
Dimensions	36.5*36.5*6mm
Weight	7.5g

E70 G2 4IN1

Model	E70 G2
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Processor	STM32G071
Firmware Version	BLHeli_32, AM32
PWM Frequency	16KHz-128KHz
Working Voltage	2-8S Lipo
Continuous Current	70A
Peak Current	150A
Support Protocol	Dshot600/300/150, Oneshot, Multishot, PWM
Telemetry Return	YES
Galvanometer	YES
BEC	NO
Mounting Hole Spacing	30.5*30.5mm, Φ 4mm/M3
Product Size	45.5*42.5*6mm (L*W*h)
Product Weight	17.5g

High-performance STM32H743 MCU

Operating frequency up to 480MHz,
rapid control response

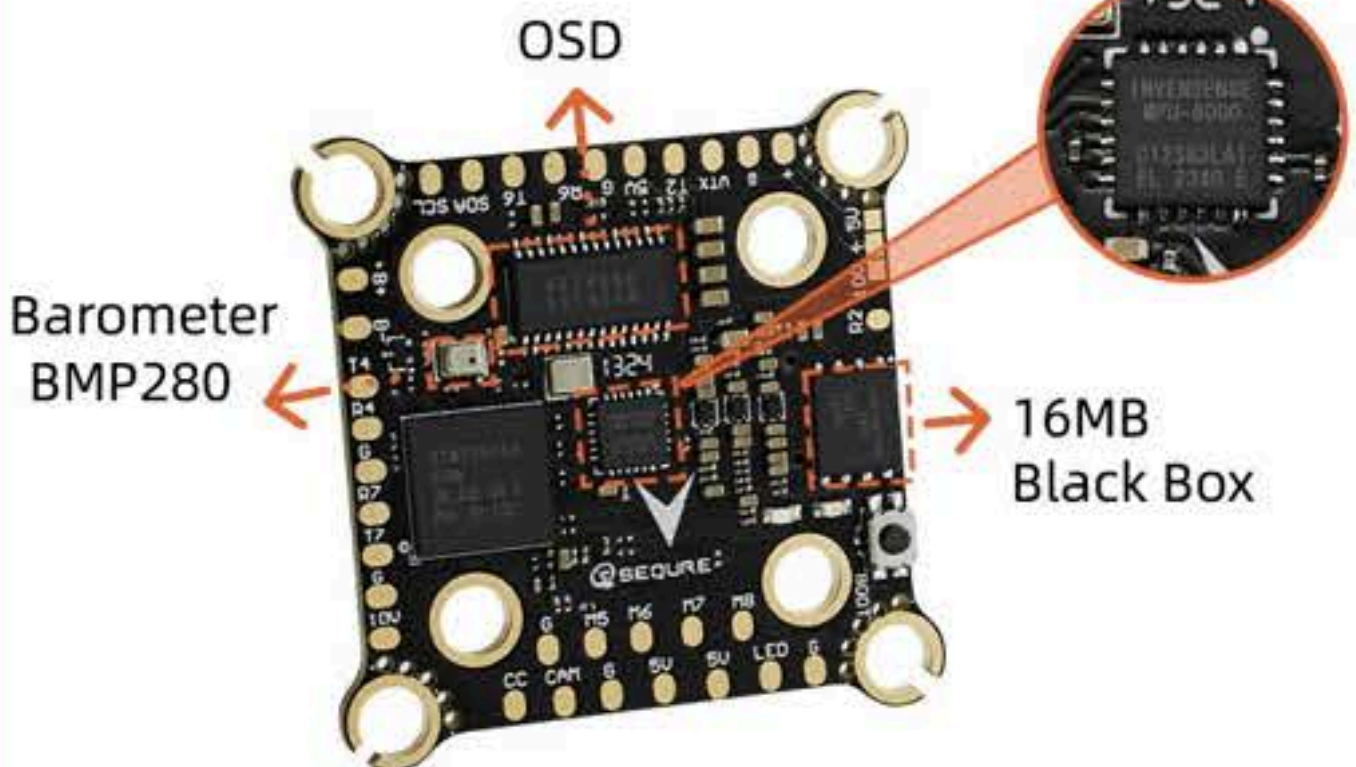




Onboard barometer, OSD,
16MB large-capacity black box,
effectively record flight data

MPU6000 Gyro

Achieve precise posture
sensing and stable
control



Reserve 6 UARTS to meet the needs of most devices

Port Recommended:

UART1: Receiver

UART2: VTX

UART4: Optional

UART6: GPS

UART7: DJI HD

UART8: ESC telemetry



- Controls up to 8 motors, easily constructing X8.
- Equipped with plug-in connectors and dual BEC outputs. Provides a 10V power for DJI O3 & analog VTX.





M5-M8



M1-M4

VTX

DJI O3

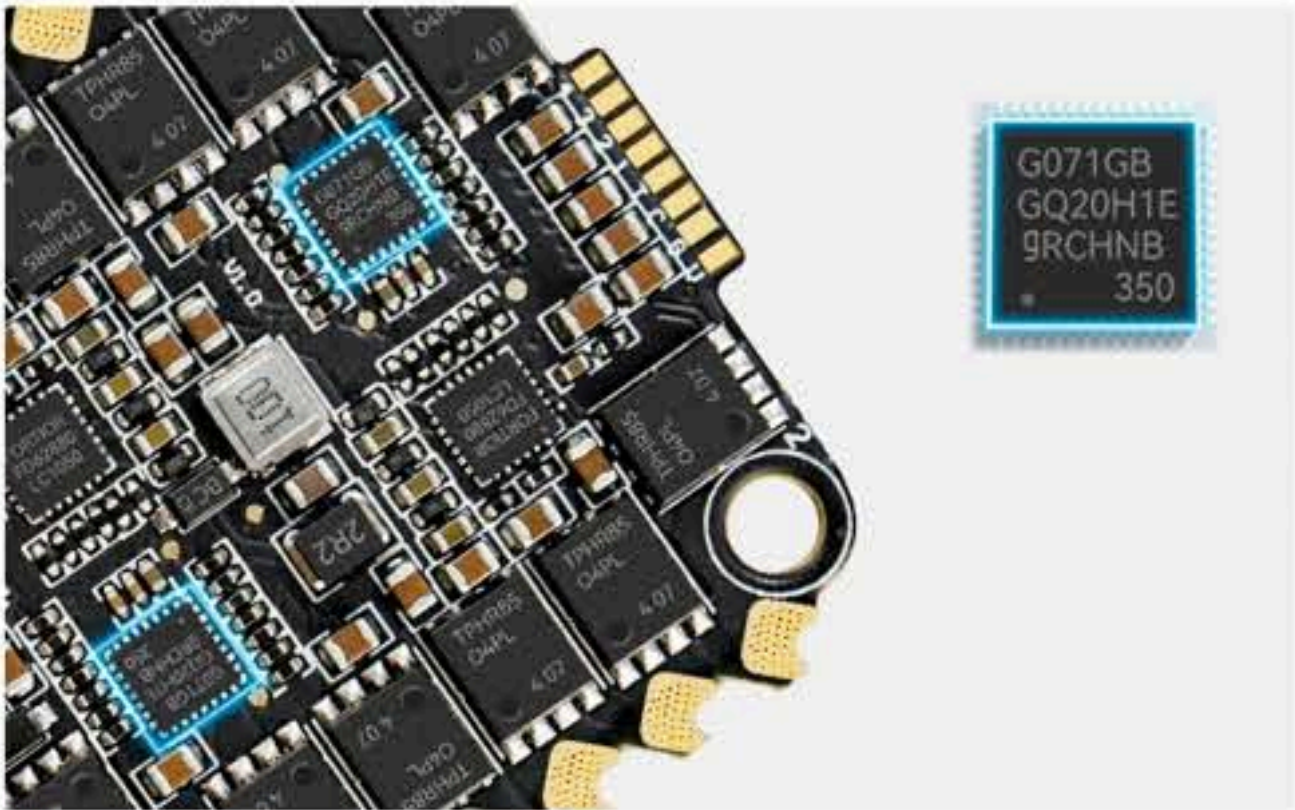


STM32G071

High Performance Processor

Support BLHeli_32 | AM32 firmware, 2-8S wide voltage input, single-channel continuous current 70A, peak current up to 150A

peak current up to 150A



Built-in Galvanometer

Supports telemetry return transmission to update motor speed, temperature, current and other data in real time



Speed
real-time



Current
real-time



Temperature
real-time



Premium High Power MOSFET

Ultra-high efficiency conversion,
reducing losses and extending flight time



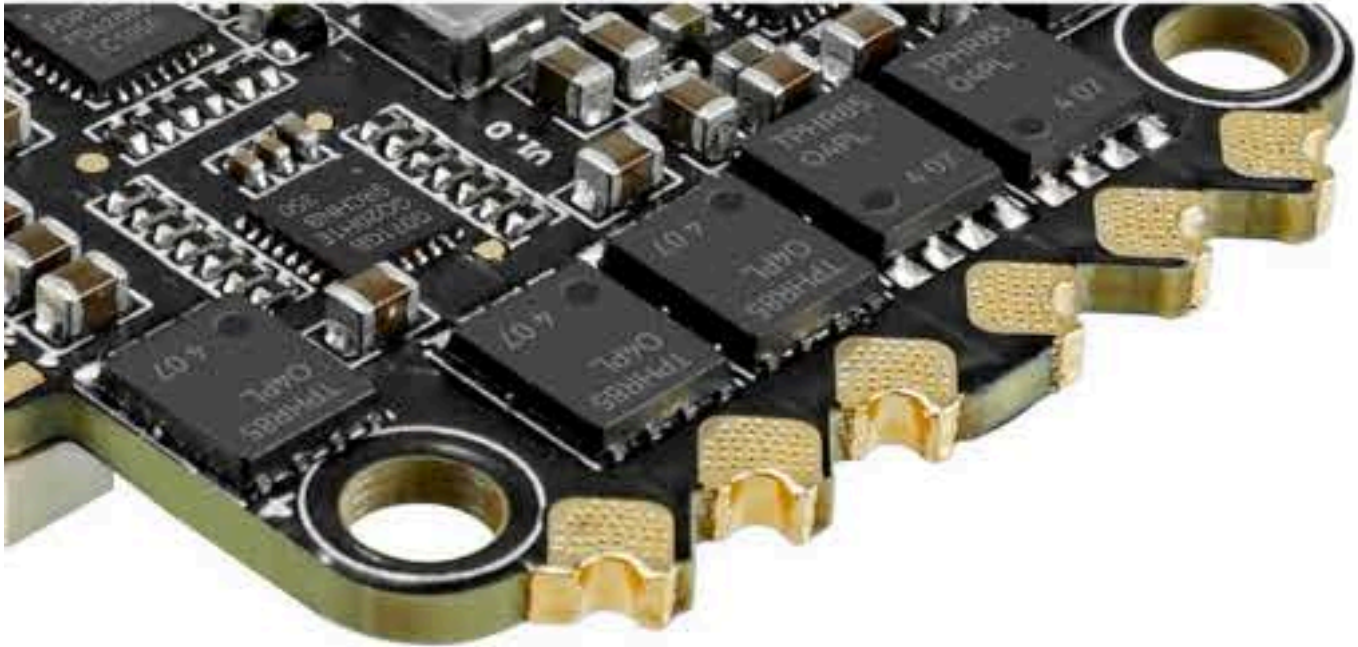
High copper thickness multi-layer PCB
design increases over-current capability,
efficient heat dissipation performance,
and is not afraid of load pressure



Awfully
Thick PCB



Anti-Heat



PWM Frequency Supports 16KHz-128KHz

Excellent circuit design to solve the
ESC desync problem



PWM Frequency Low

16 kHz



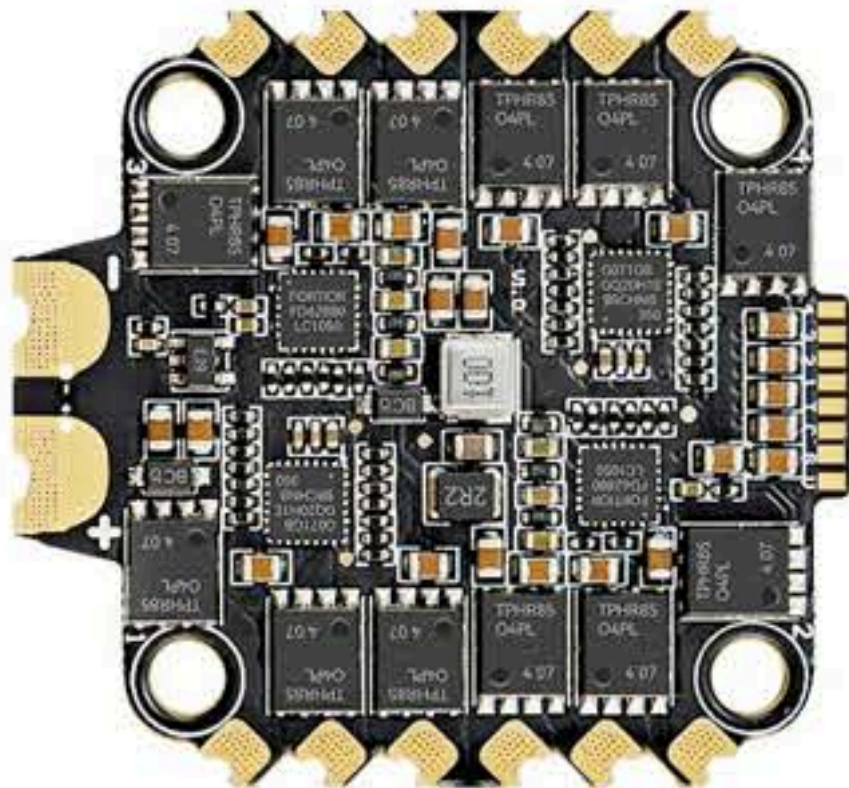
PWM Frequency High


128 kHz



Innovative Design Beveled Surface Pad

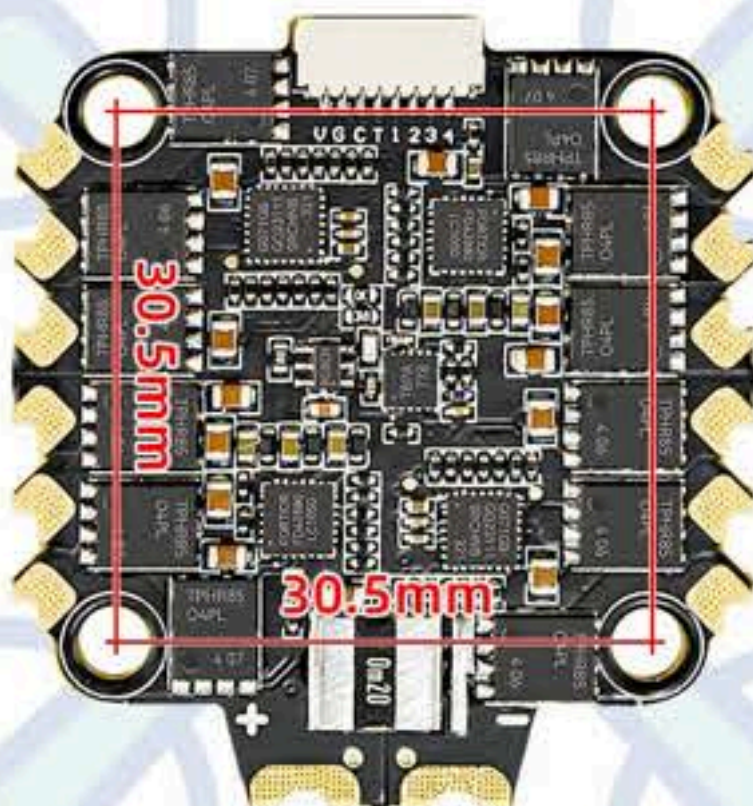
The motor wiring layout is more beautiful and safer,
while reducing the difficulty of welding



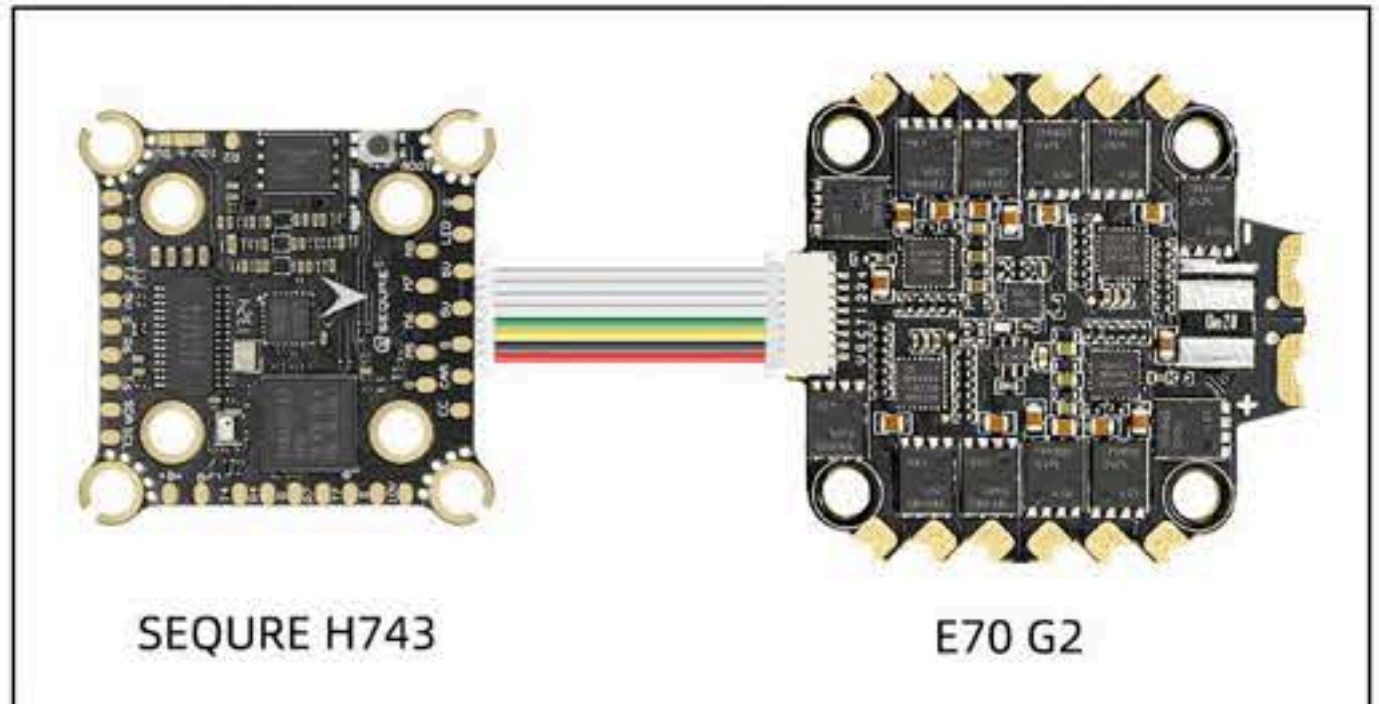


30.5*30.5mm Mounting Hole Spacing Design

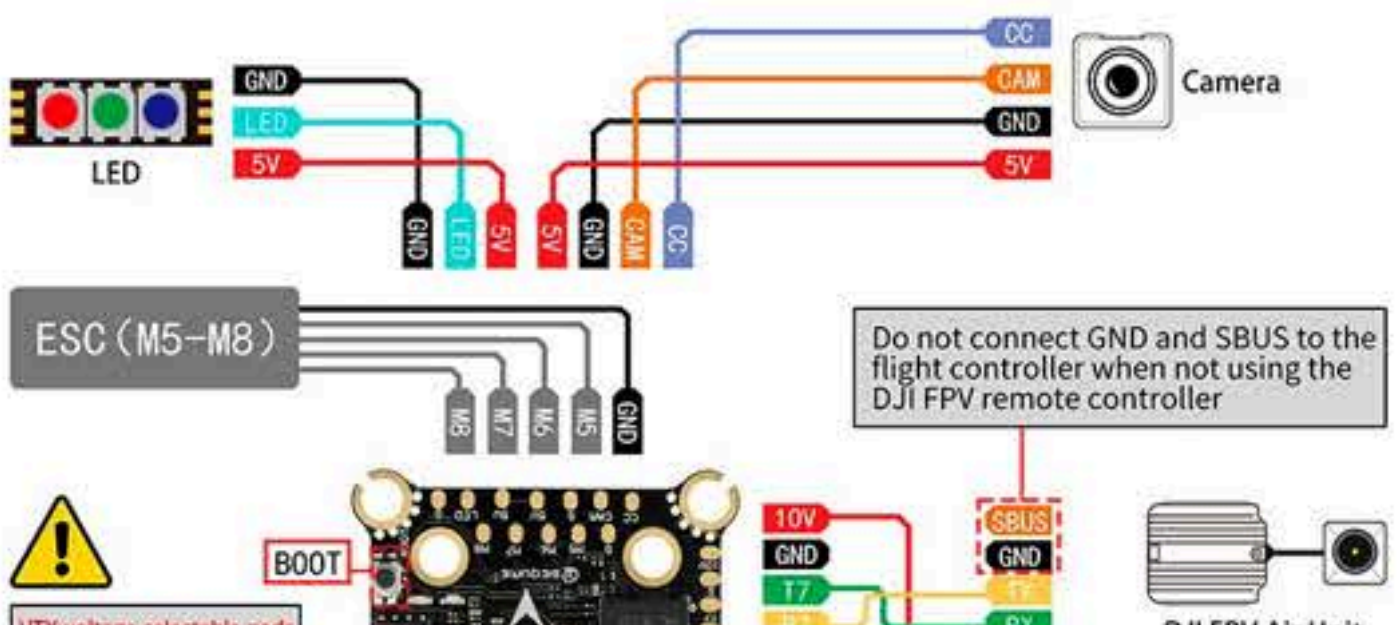
Compact structure, adaptable to various types of racks, easy to install

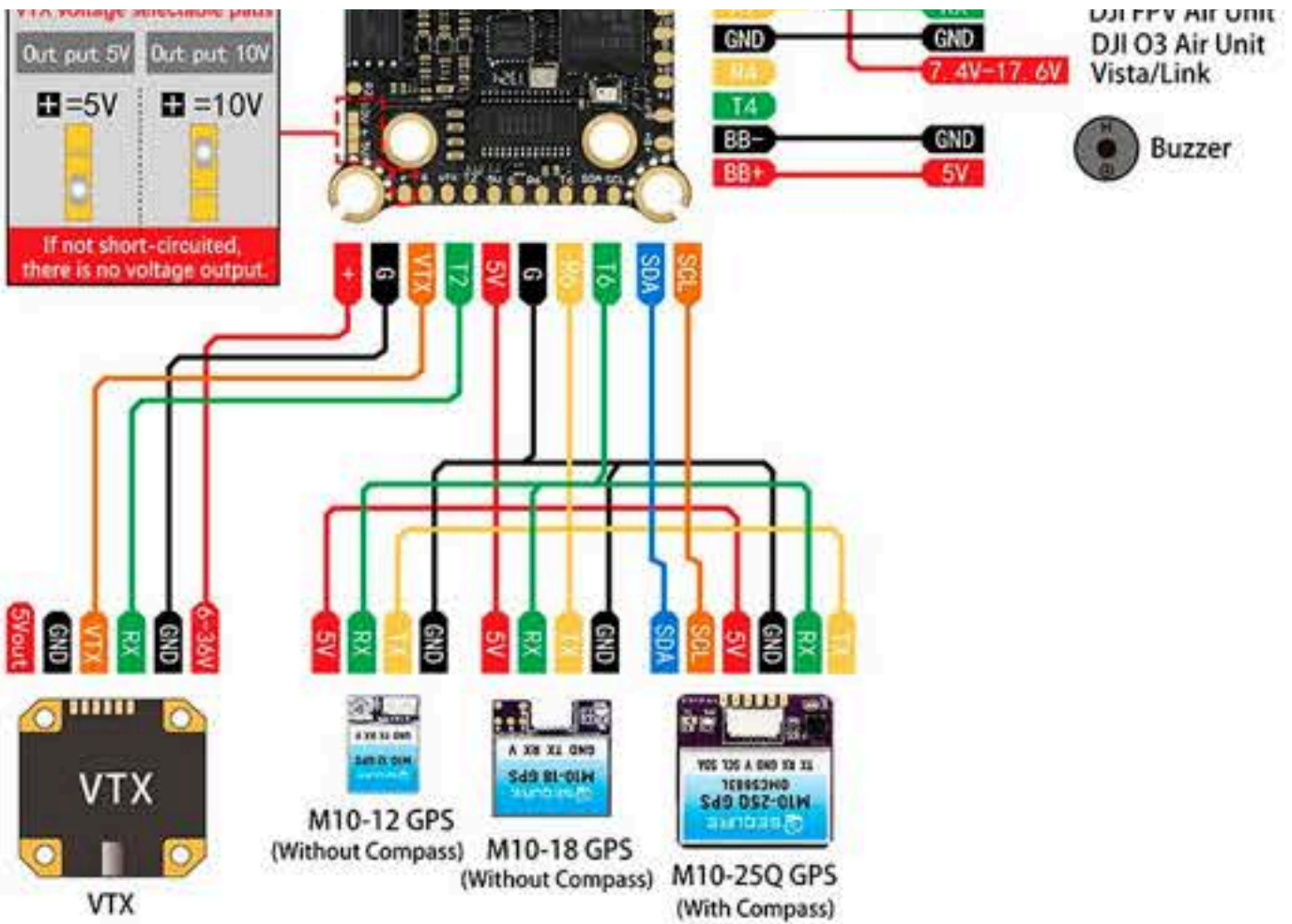


Wiring Diagram

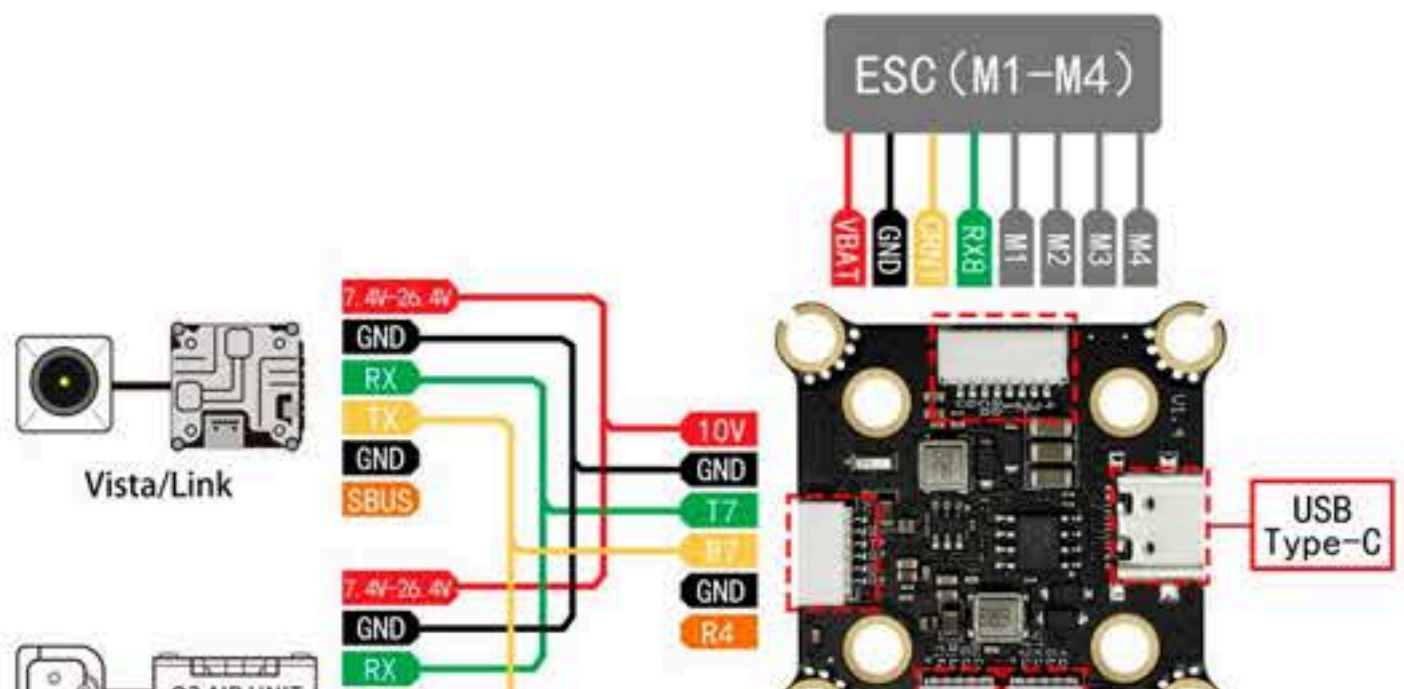


SEQURE H743 Pad Wiring Diagram



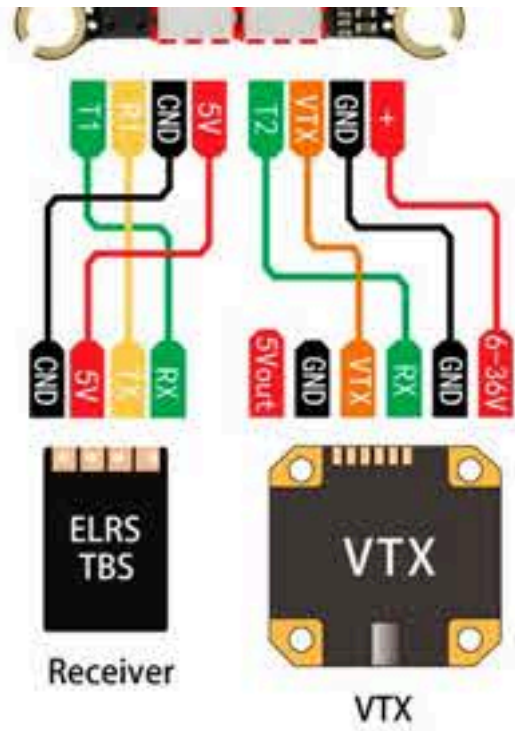


SEQURE H743 SH1.0 Socket Wiring Diagram

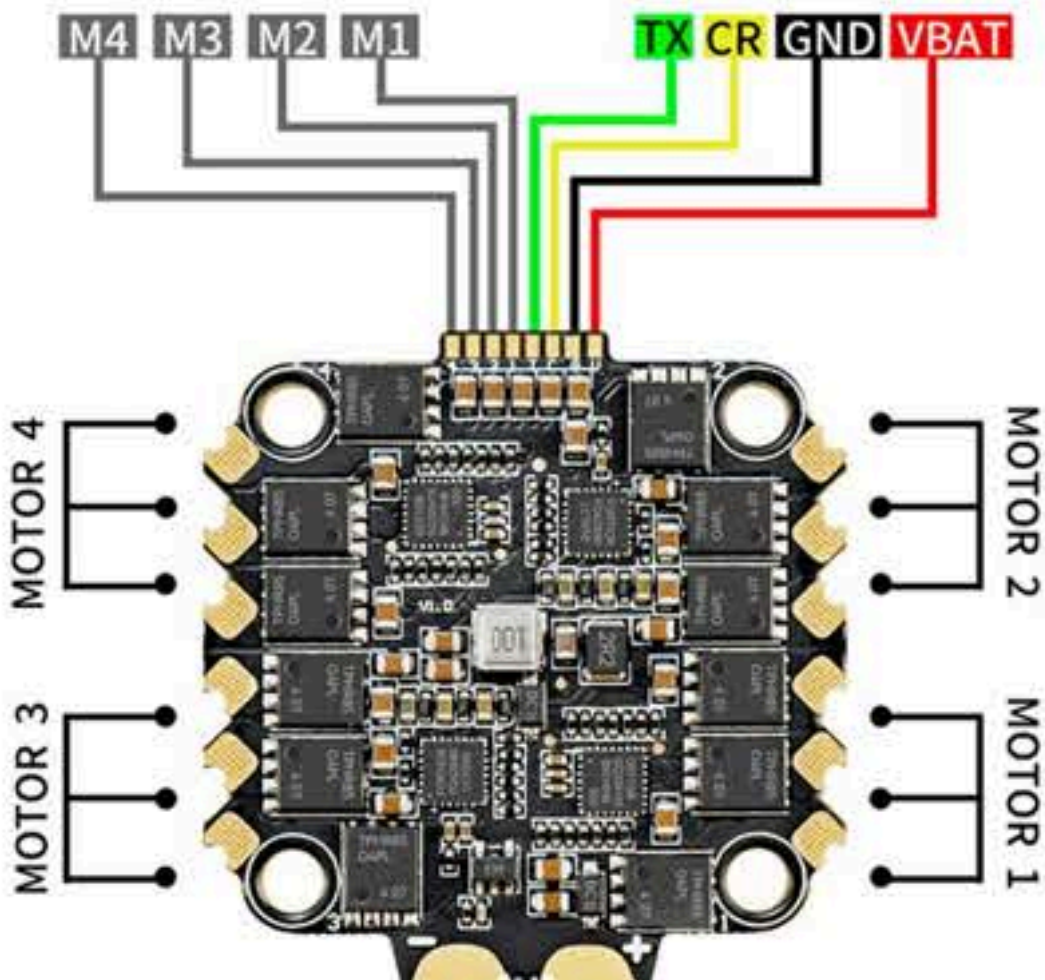


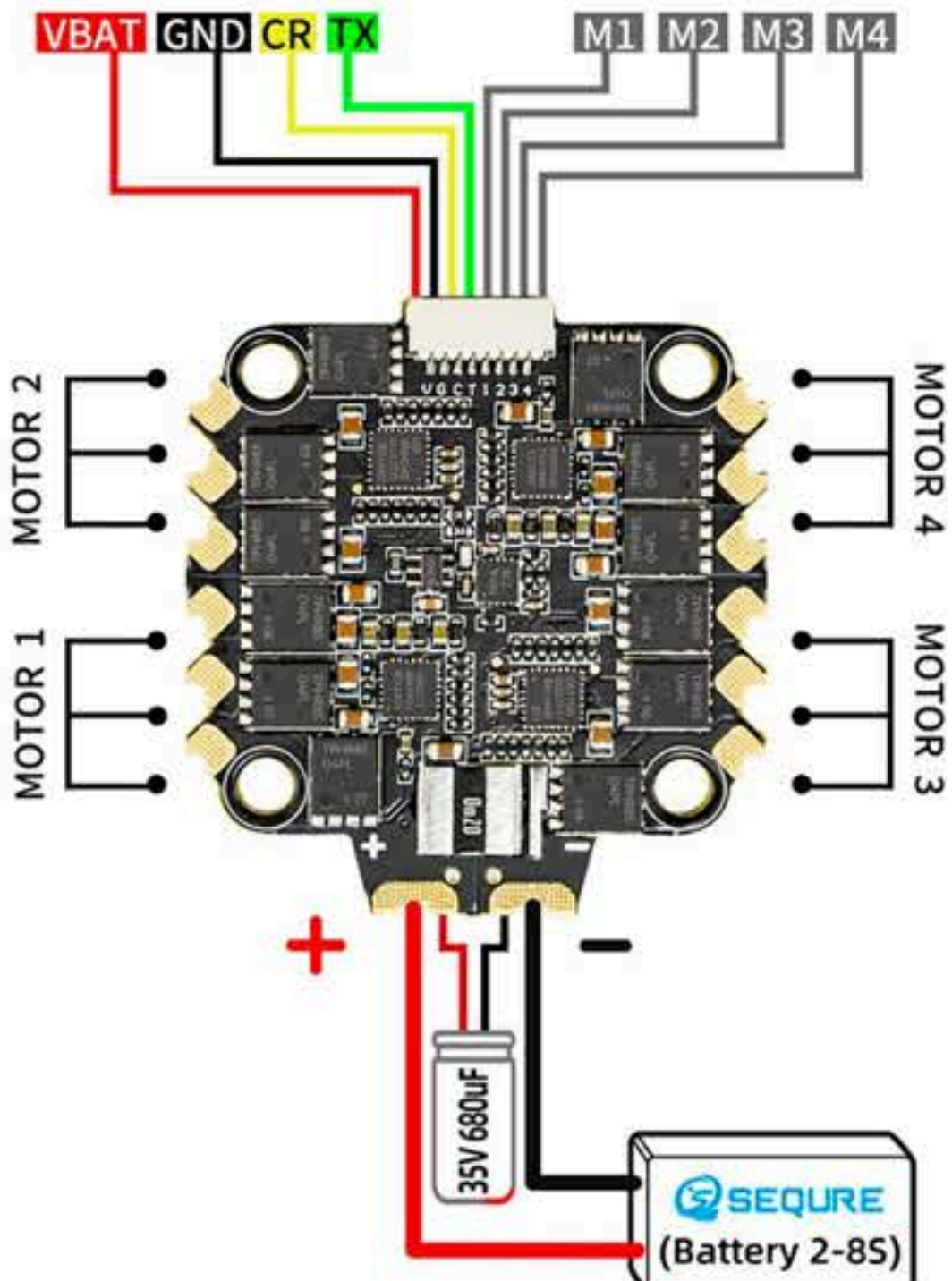
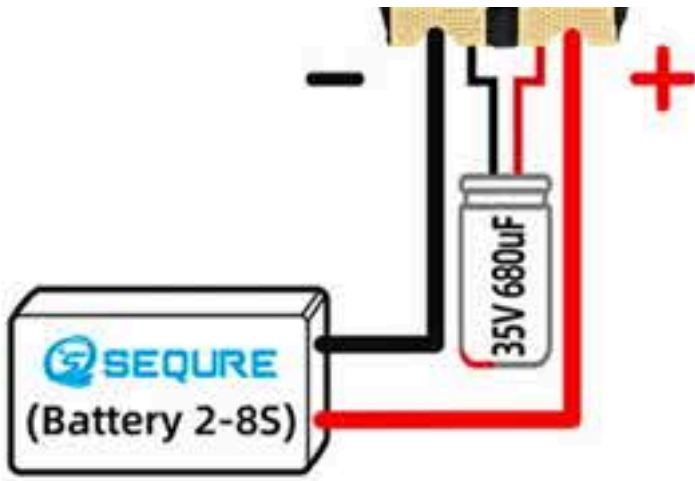


Do not connect GND and SBUS to the flight controller when not using the DJI FPV remote controller



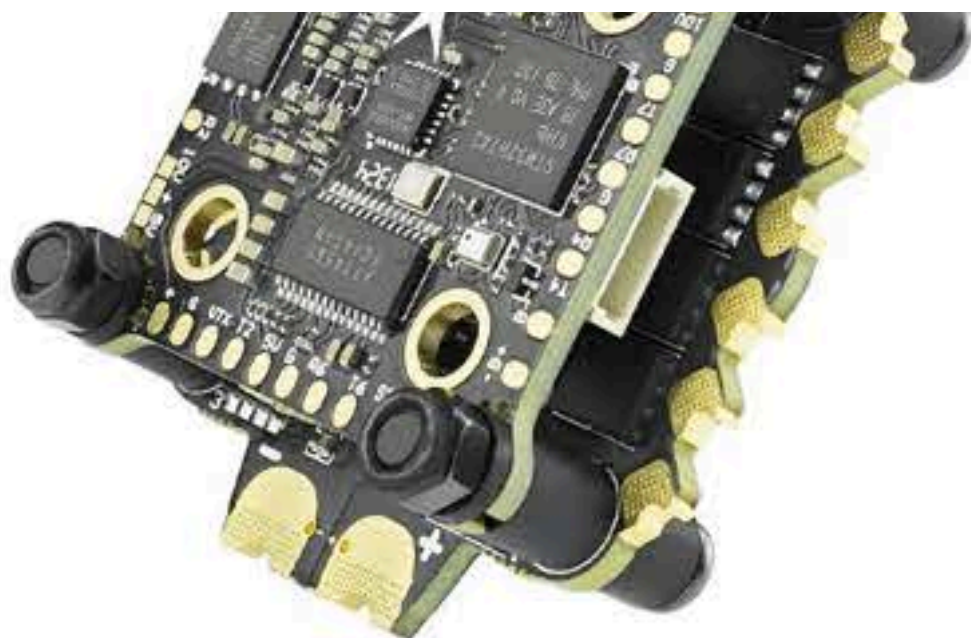
E70 G2 4IN1 ESC



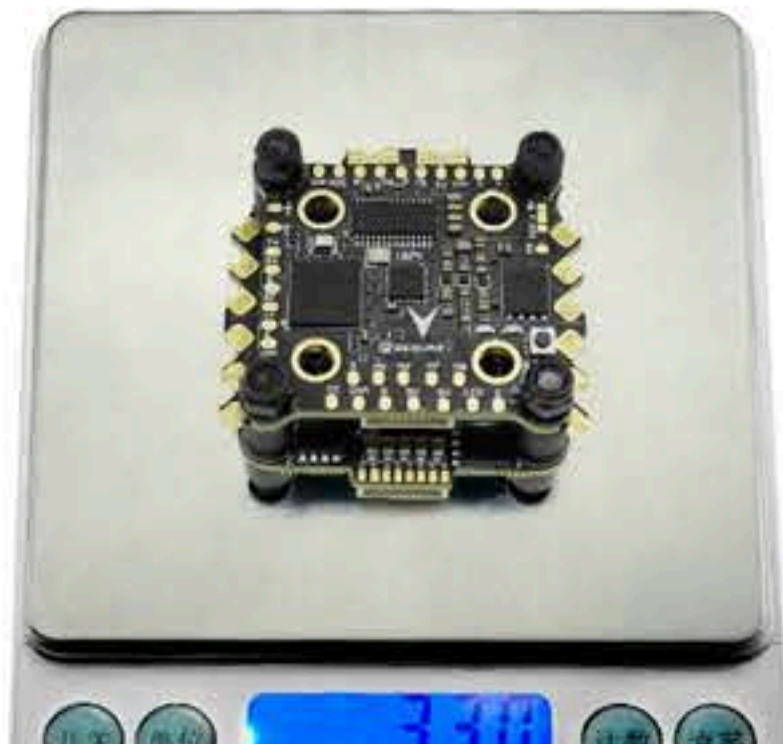
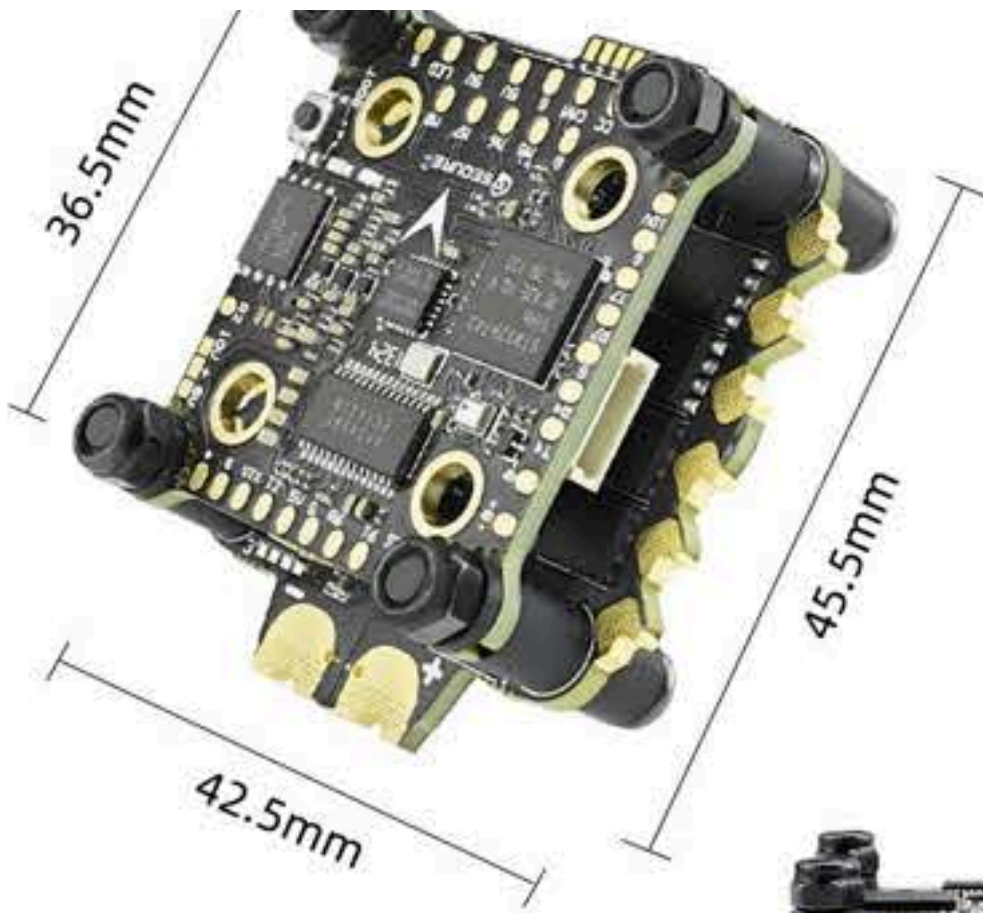


Products Real Shot





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33.0g

