Last edited by Brian Swenson 1 month ago

Page history

UAV Component Information

Components notes:

- TUBEOFFSET in Wing_horiz_hole does not change the placement of the hole in this component, this is intentional.

This table details the component connections within the UAV components.

Component	Connector	Available connections
Propeller	MOTOR_CONNECTOR_CS_IN	Motor - Prop_Connector
Motor	Prop_Connector	Propeller – MOTOR_CONNECTOR_CS_IN
	Base_Connector	Flange – TopConnector
	MotorPower	BatteryController - MotorPower
Flange	TopConnector	Motor - Base_Connector
	SideConnector	Tube - BaseConnection, OffsetConnection1, OffsetConnection2, EndConnection
	BottomConnector	Tube - BaseConnection, EndConnection
Tubes	BaseConnection, EndConnection	Hub – SideConnector1-6, CenterConnector
		Flange – SideConnector, BottomConnector
		Wing_vert_hole – Wing_Tube_Connector
		Wing_horiz_hole – Wing_Tube_Connector
	OffsetConnection1, OffsetConnection2	Hub – CenterConnector, TopConnector, BottomConnector
		Flange – SideConnector, BottomConnector
		Wing_vert_hole – Wing_Tube_Connector
		Wing_horiz_hole – Wing_Tube_Connector
Wings	Wing_Tube_Connector	Tubes - BaseConnection, OffsetConnection1, OffsetConnection2, EndConnection
CapsuleFuselage	BottomConnector	Hub – TopConnector, BottomConnector
	FloorConnector1-8	Battery - Bottom_Connector
		Sensors – SensorConnector
Battery	Bottom_Connector	CapsuleFuselage – FloorConnector1-8
	PowerBus	BatteryController – BatteryPower
Sensors	Sensor_Connector	CapsuleFuselage – FloorConnector1-8
CargoCase	Case2HubConnector	Hub - BottomConnector, TopConnector
	CargoConnector	Cargo - CargoConnector
Cargo	CargoCase	CargoCase - CargoConnector
Hub	SideConnector1-6	Tubes - BaseConnection, EndConnection
	TopConnection	CapsuleFuselage - BottomConnector
		Tubes - OffsetConnection1, OffsetConnection2
		CargoCase – Case2HubConnector
	BottomConnection	CapsuleFuselage - BottomConnector
		Tubes - OffsetConnection1, OffsetConnection2
		CargoCase – Case2HubConnector
	CenterConnection	Tube - BaseConnection, OffsetConnection1, OffsetConnection2, EndConnection
		Tubes - OffsetConnection1, OffsetConnection2
		CargoCase – Case2HubConnector
	OrientConnector	Orient – ORIENTCONN
Orient	ORIENTCONN	Hub - OrientConnector