

Interface Name	System A	System B	Interface Item	Value
EXTERNAL				
Incoming Power	Energy Bank PCBA	Charging Dock PCBA	Voltage	12 VDC
			Current	7A continuous
	Energy Bank/ AC	Charging Dock PCBA	Switch	Toggle w/ visual indicator
			Switch Location	Refer to schematic & drawings
			Connector	Standard connector*
			Connector Location	Refer to schematic & drawings
Environment	Environment	Charging Dock	Temperature	10-40 C
			Humidity	0-100 %
INTERNAL				
Electrical	Charging Dock PCBA	Tenergy 7.2V	Connector	Tamiya
			Connector Location	Refer to schematic & drawings
			Voltage	9 VDC
			Current	300 mA, 600 mA
Mechanical	Charging Dock	LED Display	Connector	wiring
			LED Location	Refer to drawings
Electrical	Charging Dock	LED Display	Voltage	1.7/1.9 VDC
			Current	2 mA
Controller Mount	Charging Dock Body	Charging Dock PCBA	Mounting pattern	Refer to drawings
			Mounting size	1/8" mounting screws
Thermal	Internal Environment	Charging Dock PCBA	Heat dissipation from PCB	0.6 W average, 1.0 W Peak (per battery)
Clearances	Weatherproof enclosure	Charging Dock Body	Mounting Pattern	Refer to drawings
			Mounting Location	Refer to drawings
			Size Requirement	4" clearance per side
	Sliding Trays	Charging Dock Body	Size Requirement	1" clearance of all electrical components