

STRATUS POWER PRO

PLUG IN WITH THE LATEST TSO-CERTIFIED USB CHARGING PORT

DESCRIPTION

The Stratus Power Pro is a high quality, dual port, USB charger for portable electronic devices - powering even the most power-hungry modern tablets. This device is certified to FAA TSO-C71 to provide clean power, free from radiation of electromagnetic energy that could disrupt aircraft radio performance.

Stratus Power Pro features both USB Type A and C interfaces, providing up to 3 amps of power simultaneously through each port. Stratus Power Pro is designed and built in the USA.



FEATURES

- Dual 3A charging ports
 - USB Type A
 - USB Type C
- Operating temperature -20°C to +55°C
- Shallow depth for ease of aircraft integration
- Ease of install, with two different integration options in a single package
 - Circular hole, for easy drill-in installation
 - Rectangular hole to minimize the space claim of the charger around panel or upholstery
- Optional NVG compliant variant without backlight

APPLICATIONS

- Charging mobile phones
- Charging tablets
- Charging eReaders (e.g. Kindle)
- Charging smart watches
- Charging fitness trackers

CERTIFICATIONS

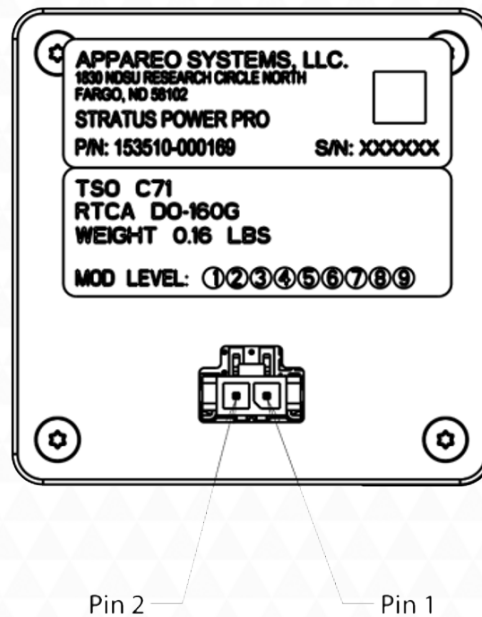
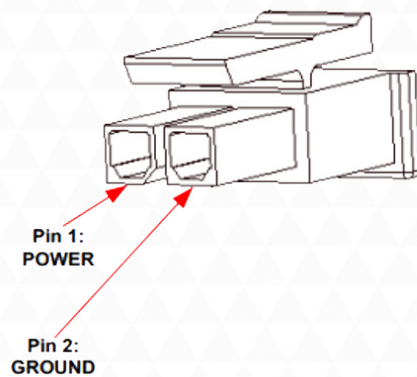
- FAA TSO-C71

ELECTRICAL SPECIFICATIONS

Characteristic	Specification
Nominal Current Draw	<25 mA at 14 V and 28 V with no USB connections 1.2 A at 28 V at full output load on both ports 2.4 A at 14 V at full output load on both ports
Power Input	0.052 W with no USB connections 33.75 W max at 3A output load on both ports
Output Voltage Range	5.0 VDC +/- 0.25 V
Max Current Output	3.0 A per port
Power Output	30 W

INPUT/OUTPUT

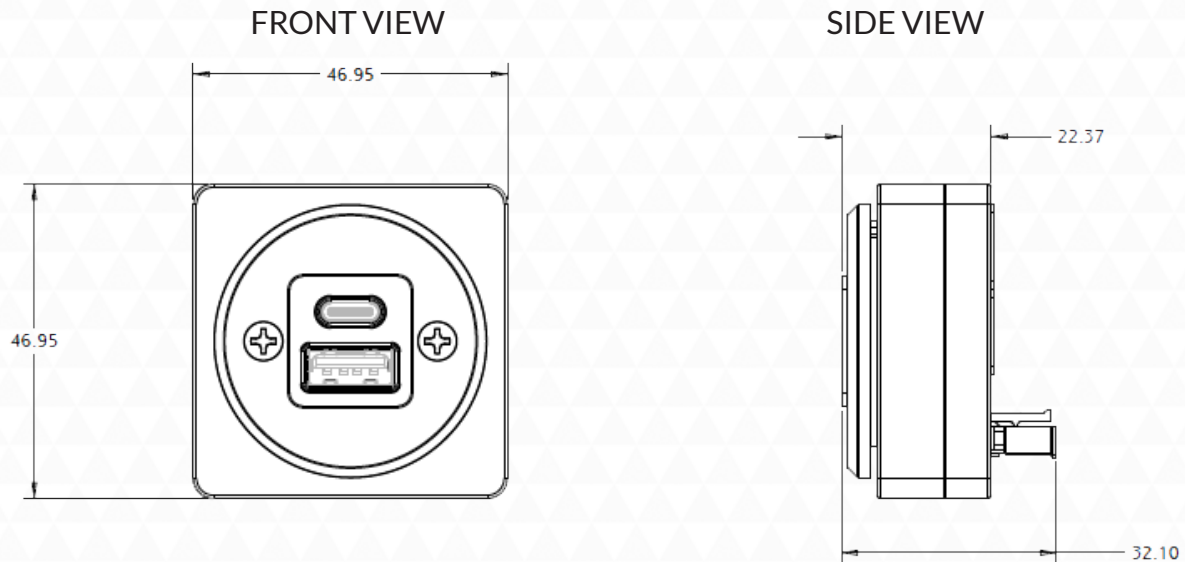
Pin #	Pin Name	Description
1	Power	10-32 VDC
2	Ground	Ground



ENVIRONMENTAL QUALIFICATIONS PER RTCA DO-160G

Test Condition	DO-160 Section	Test Conducted
Temperature & Altitude	4.0	
Short-Time Operating Low Temperature	4.5.1	F1
Operating Low Temperature	4.5.2	F1
Short-Time Operating High Temperature	4.5.3	F1
Operating High Temperature	4.5.4	F1
Altitude	4.6.1	F1
Temperature Variation	5.0	C
Humidity	6.0	A
Operational Shocks and Crash Safety	7.0	
Operational Shocks	7.2	B
Crash Safety	7.3	B
Vibration	8.0	
Fixed Wing Aircraft Standard Vibration	8.5	CAT S
Sine-on-Random	8.8.2	CAT U
Explosive Atmosphere		
Magnetic Effect	15.0	Z
Power Input	16.0	
Normal Operating Conditions (DC)	16.6.1	BXX
Voltage (Average Value DC)	16.6.1.1	BXX
Abnormal Operating Conditions (DC)	16.6.2	BXX
Voltage Spike	17.0	B
Audio Frequency Conducted Susceptibility	18.0	B
Emission of Radio Frequency Energy	21.0	
Conducted RF Emissions	21.4	B
Radiated RF Emissions	21.5	M
Electrostatic Discharge	25.0	A

MECHANICAL



Weight: 0.07 kg

Dimensions: 46.95 mm x 46.95 mm x 32.10* mm
*Depth includes mating connector, but not cable bend radius.