

Date 12-22-14

Specification For LSA-USB Multi-Port

Project#:

Manufactures Part Number: LS03-05023

Current Revision: rev-1

Product 1:	Description of spec:
A. LS03-05023	USB Multi-Port Charger
1. Input Voltage:	10-42 VDC
2. Output Voltage:	5.19 VDC
3. Output Current:	2.4A (per / each USB-port)
4. iPad Data Lines:	P1 - VCC - 5Vdc P2 - D- - (value) P3 - D+ - (value) P4 - GRD - Ground
8. Size:	3.30L x 2.13W x .915H
9. Weight:	2.9 oz / 82g
10. Connector:	USB output (front), 9 Pin Dsub (rear)
11. LED Indicator:	Green (LED) – power on-pcb
12. Components:	High Temperature, High Reliability
13. Protections:	a. Input Transient Surge b. Over current, thermal protection: (Auto-reset) c. Under voltage protection: d. Reverse polarity protection: e. Short circuit: Output f. Over voltage: g. Fuse: (Resettable)
14. Efficiency:	93% min.
15. Regulation Load:	1.0% (Over full input range (10-42 VDC))
16. Ripple:	18mv Peak to peak
17. Transient Response Time:	.5 ms max at 13.8 vdc.
18. FAA Approval:	TSO C-71 Pending
19. Temperature:	-48C – 150C (DO160G)
20. Humidity:	95 – 98%, 20C (DO160G)
21. Enclosure Type:	Aluminum Extrusion