

Rev	Description	Date	Approved
C	Change input end board width, remove optional links, release CC-BY-SA	15-Apr-14	NJA

#### INPUT CONNECTOR:

Ø 2.1 x 5.5 mm (preferred) Switchcraft 722A  
 Ø 2.5 x 5.5 mm Switchcraft 712A  
 Ø 1.7.5 x 5.15 mm (Mouser 163-4118-EX)

ADAPTERS (Terminal Block to DC Plug)  
 Ø 2.1 x 5.5 mm element14 CLB-JL52, Jaycar PA-3711  
 Ø 2.5 x 5.5 mm element14 CLB-JL-52Y

OPTIONAL Reverse input voltage protection  
 alt LINK in D2

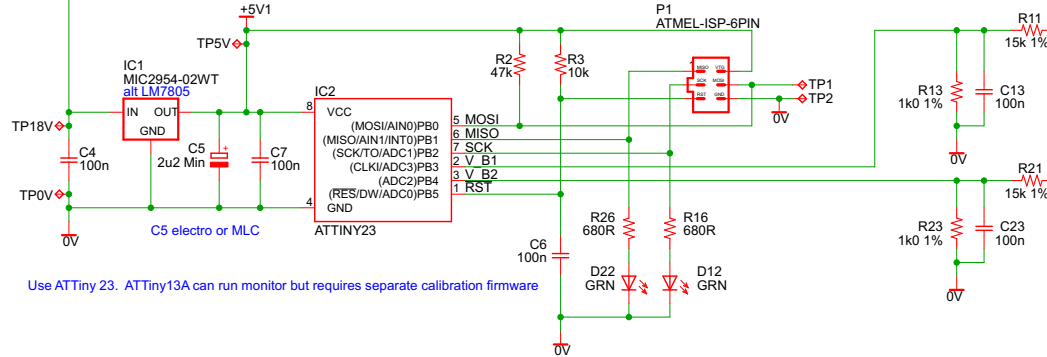
Input:  
 18 V (range 15 V to 35 V)  
 Minimum rated power of 40W  
 Example: CUI EMSA200200-P5P-SZ

Silvertel Ag102: <http://www.silvertel.com/products/battery-chargers/20-battery-chargers/156-ag102.html>

OUTPUT CONNECTOR:  
 Neutrik NC3MAAH (preferred)  
 Circular Ø16 mm Jaycar PP-2013  
 Neutrik NC3MAMH-PF with 3 way Phoenix 5mm MSTBT 2.5/3-ST  
 Jaycar HB-5436 1U 12 x XLR Panel pitch: 36.45

R18 and R28: Set Default Temp Comp  
 NF / 47k => T = 25 °C (default)  
 56k => T = 21 °C  
 62k => T = 19 °C  
 68k => T = 17 °C

OPTIONAL Microprocessor to monitor charge voltage to indicate Float state



Use ATTiny 23. ATTiny13A can run monitor but requires separate calibration firmware



## 2 Way 12V 7 Ah SLA Charger Schematic

Drawing No.

Rev  
C