

supply positive and negative ports are directly connected to components, because no external input or output connections are needed.

Next month, we'll tackle construction and testing of this converter box. *ax*

REFERENCES

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5. THAT Corporation DataSheet, InGenius Balanced Input Line Receivers, www.ThatCorp.com/datashts/1200data.pdf.
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Parts List

Schematic Designation

Description

D1-D6	1N4003 diode
C1-C2	2,200µF/35V DC electrolytic capacitor
C3-C4	470µF/16V DC electrolytic capacitor
C5-C6	1µF/50V DC film capacitor
C7, C9, C13, C15, C20, C22, C25, C27	3.3µF/16V DC tantalum capacitor
C8, C10, C14, C16, C21, C23, C26, C28	0.1µF/50V DC ceramic capacitor
C11, C12, C17, C18	10µF/25V DC non-polarized capacitor
C19, C24	220µF/10V DC electrolytic capacitor
V1	UA7815 +15V DC IC regulator
V2	UA7915 -15V DC IC regulator
U1-U2	THAT Corporation 1646 balanced line driver
U3-U4	THAT Corporation 1206 balanced line receiver
Power transformer	Tamura PF24-34 34V AC at 700mA.
Fuse	Buss MDL 3/10A at 250V
Chassis	Hammond Manufacturing 1590 EFL 7.38" × 4.70" × 3.07"
RCA connectors	Vampire CM7F
XLR connectors	Neutrik NC3FD-L-1-B and NC3MD-L-1-B

Suppliers

Digi-Key	Vampire Wire
701 Brooks Avenue South	203 Flagship Drive
Thief River Falls, MN 56701	Lutz, FL 33549
800-344-4539	813-948-2707
www.Digikey.com	www.VampireWire.com
THAT Corporation	Markertek Video Supply
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