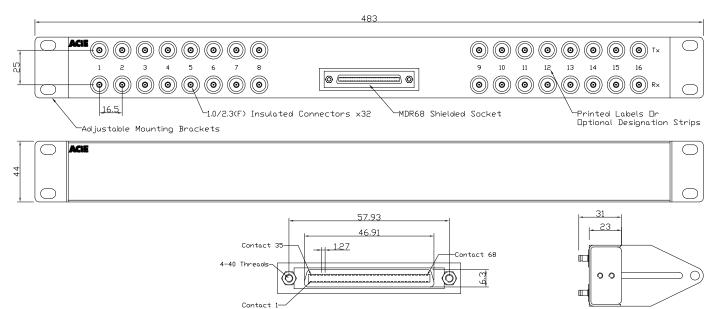


Balun Panel, Shielded, 19" 1RU 1.0/2.3(f) x32 to MDR68(f) 75/120 , 2-8Mbit/s

M1304431M2



MDR68 Female Connector Detail

PRODUCT DESCRIPTION

This Balun Panel converts E1 and E2 G.703 signals from unbalanced 75 coaxial to balanced 120 twisted pair transmissions. A bi-directional device requiring no external power, it allows the user to connect telecommunications equipment with mismatched interfaces. This product offers the following features:-

• 1.0/2.3(f) to MDR68(f) (Mini Centronics)

- coax to twisted pair conversion
- 75 to 120 impedances
- mounts in standard 19" rack
- zinc sealed, powder coated steel gold plated contacts
- exceeds G.703 requirements
- >33dB return loss 0.3 to 3MHz
- · mount recessed to ease cable entry
- ETSI and 23" brackets available
- RoHS compliant
- <0.15dB E1 insertion loss

View With Bracket Removed

- single sided cable access
- teflon coaxial insulators
- optional designation strips

OPERATING CONDITIONS

Matching Impedance:	75 unbalanced coaxial to 120 balanced twisted pair
Bit Rate:	2Mbit/s (E1) and 8Mbit/s (E2) per ITU-T G.703 Line Code
Signal Level:	2.37V nominal peak voltage at the coaxial end per G.703
Working Temperature:	-30°C to 75°C

ELECTRICAL SPECIFICATIONS

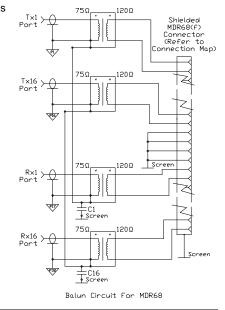
<0.15dB from 51kHz to 3.072MHz (2Mbit/s, E1) and
<0.20dB from 211kHz to 12.672MHz (8Mbit/s, E2) in both directions
Exceeds G.703 by >13dB for 2Mbit/s and >8dB for 8Mbit/s
Exceeds G.703 requirements for 2Mbit/s and 8Mbit/s
>65dB from 51kHz to 12.672MHz between channels
(>50dB for adjacent MDR68 connector contacts)
>250V DC

MECHANICAL SPECIFICATIONS

Coaxial Connector:	1.0/2.3 female to IEC 169-29 Body: Brass, Plated Cu/Ni/Au
	Pin: Beryllium Copper, Plated Cu/Ni/Au
	Insulator: Teflon
	Mating Cycles: 500min
MDR68 Connector (SCSI):	Contacts: Phosphor Bronze, Plated Ni/Au
	Moulding: Thermoplastic, Black
	Shell: Steel, Plated Ni
	Housing: Die Cast, Plated Ni
Panel:	Steel, Zinc Sealed and Powder Coated Black
Panel Insulators:	Thermoplastic, Black
ACCESSORIES	

For ETSI 21" and 23" racks

For 19", 21" and 23" racks



ACandE M1304431M2 Data Sheet R2.1 Specification subject to change without notice.

Cable Assemblies:

Mounting Brackets: Cable Management Kits:

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MDR68(m) to MDR68(m) on shielded 34 pair cable

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