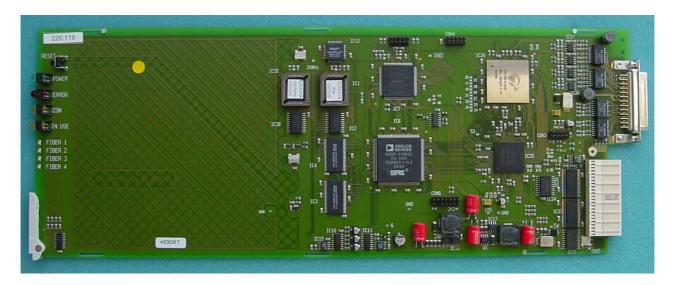


625 Digital Switching System QUAD TDM-bus Card 625-531



General Description.

The 625-531 QUAD TDM-bus Receiver/Transmitter card handles four TDM-buses In and four TDM-buses Out and is part of the 32-bit 625 TDM Switching system.

It fits into the 625-100D card frame as well as in the 625-800 card frames and is controlled by the Control card 625-150.

The QUAD TDM-bus card is receiving and sending audio signals between other NTP 625 card frames and distribution the signals onto the internal TDM-bus inside each card frame. The transmission speed on each TDM-bus between card frames is 200Mb/s corresponding to 128 audio channels. The connection between card frames is for longer distance done via optical fibre.

Specifications:

Input 1 to 4

Electrical Receiver ECL-like data receiver Floating earth free Isolation 2000 Vrms Input voltage range 100 mV to 1200 mV Data format 8B / 10B coded Data rate 261.12 Mb/s Input Impedance $150\Omega \pm 10\%$ Cable type CAT 5 UTP

Electrical Transmitter for feed-through

ECL-loke data receiver Floating earth free Output Voltage 0,6V peak in 50Ω load

Connector type TDM-bus data 25 Pole mail, DIN 41494

Output 1 to 4 Electrical

TDM-bus connection ECL-like, earth free DC output $<\pm 0.1V$ AC output 0.3 to 0.6 Vpeak, ter minated. t_r , $t_f (20 - 80\%) 0.5 - 2nS$ Jitter < 1nS

Electrical Transmitter

Output ECL-like isolated earth free 250MHz Output Voltage 0,6 Vpeak in 50Ω load

Connector type

Input/Output connector 25 pole male, sub-D DIN 41 494

20050822

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