

STR723 Differential VSB Extension

This small adapter board, which plugs into the rear of a VSB backplane (VME J2 backplane), converts VSB-backplane signals from TTL into differential signals. Its purpose is to extend the VSBbus to external systems over long distance of up to 50 meters. The maximum number of crates on VDB is 15. The VDB (VSB Differential Bus) must be terminated on both ends. The STR723 can work in two modes: as VSB-Slave (VDB-Master) or as VSB-Master (VDB-Slave). These modes are selected by jumper setting.

Applications:

- VME/VSB to VME; using the counter part module STR725 (VME/VSB Coupler Module)
- VME/VSB to FASTBUS using the counter part module STR330/VSB in connection with STR330/CPU
- VME/VSB to CAMAC using the counter part module STR610/CBV in connection with STR612/CVC
- VME/VSB to Flash-ADC system DL350 using two STR723 boards in connection with the scanner and interface module DL357 in a FADC crate DL350.

Features:

- Single Euro-Card size 100*240 mm
- Differential transceivers (TTL) for relevant VSB signals
- On-board address mapping (switchable) and timing

