Current STS Readout Concept



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STS Readout Board (ROB)

1 master GBTx connected to 1 VTRx transceiver

2 slave GBTx connected to 1 VTTx (twin transmitter)

- Slow control, clock distribution
- Data readout

Data readout, control responses
1 SCA as slow control interface from master to slaves



FEB Types and ROB Connectivity



Common CBM ROB Prototype

Alternative approach: common CBM GBT prototype board

- Full GBTx/VL functionality for all readout chains (STS-XYTER, GET4, SPADIC2,..)
- frontend connectivity (GBTx E-Links, SCA) routed to FMC connector

