

Note: Input device may stop transfer by not sending a Resume.

Note: Output channel may terminate the transfer with a disconnect.

NSC Channel Description

One NSC channel consists of a 20 bit buss. (16 data, 4 parity). It connects to a Network System Corporation Interface Box. The maximum transfer speed is 100 megabits per second. Figure 4 is a diagram of the buss and control signals for an input and output channel.

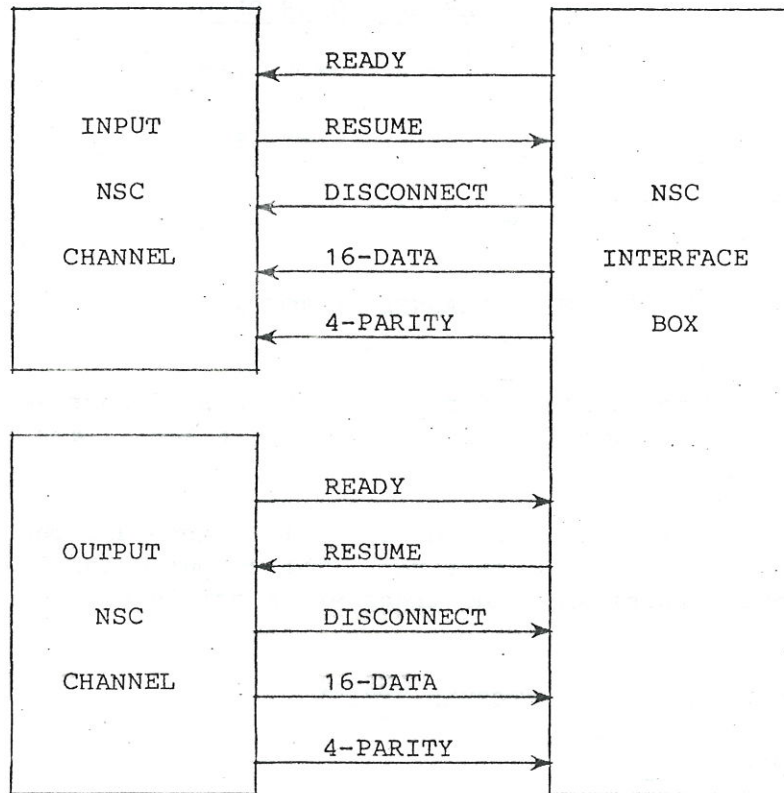


Figure 4.

NSC Channel Protocol

When the input channel wants to transfer data it will send four Resume pulses, 48 nsec pulses with 100 nsec between pulses. The NSC Interface Box will receive these Resumes and respond with four Readys (48 nsec pulses and a minimum of 40 nsec between pulses) and four Parcels of data (one parcel per Ready). The NSC Interface Box sends the Disconnect (again 48 nsec pulse) after total transfer is complete. See figure 5.

C0004S0407