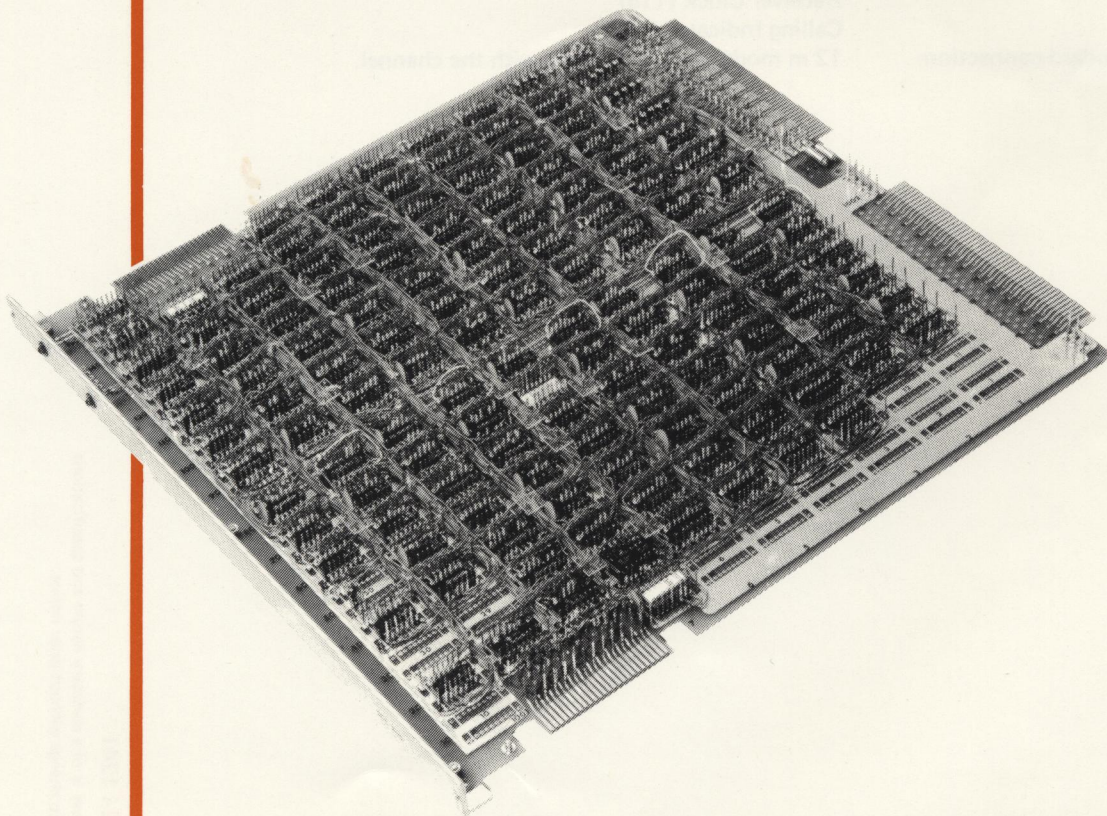




# **RC 3680 C** **BSC Channel**

- SYNCHRONOUS TRANSMISSION
- UP TO 20,000 BITS PER SECOND
- COMPLETE COMPATIBILITY  
WITH CCITT V.24 RECOMMENDATION
- FULL OR HALF DUPLEX
- FULLY PROGRAMMABLE OPERATING MODES



## GENERAL

The RC 3680C BSC Channel interfaces the RC 3600 system to any synchronous half- or full duplex modem operating in accordance with CCITT recommendation V.24 at speeds up to 20,000 bits per second. For direct connection the RC 3680C is equipped with an internal clock-source.

The RC 3680C can be used for several communication protocols due to full software control of the operating modes, which include: Interrupt with or without termination upon reception of a TERM character combined with fast resynchronization upon reception of an EOT character. Any character may be specified as TERM and/or EOT by means of a loadable control table.

## CHARACTERISTICS

The RC 3680C BSC Channel consists of a separate receiver and transmitter, which both operate via the DMA-channel. The character length, operating mode, block size etc. are selected under full program control. This design may be used for several communication protocols, e.g. simulation of RJE terminals, batch terminals, etc.

Other users are RC Network Control Program and concentrators.

## SPECIFICATIONS

Speed:	0 - 20,000 bps external source 2400, 4800, 9600 Internal ( $\pm 10\%$ )
Data format:	Serial synchronous, bit by bit
Byte length:	6, 7 or 8 bits, programmable
Operating mode:	Fully programmable
Signal levels:	As specified in CCITT V.28 recommendation
Signals available:	Signal Ground (102) Transmitted Data (103) Received Data (104) Request to Send (105) Ready for Sending (106) Dataset Ready (107) Data Terminal Ready (108/2) Received Carrier (109) Data Signaling Rate (111) Transmitter Clock (114) Receiver Clock (115) Calling Indicator (125)
Standard connection:	12 m modem cable supplied with the channel.