

❖ *By the way:* Any character—including the carriage return at the end of a WRITELN statement—will cause posting of a new value in IORESULT.

Table H-7 shows the possible combinations of error bits corresponding to these decimal error codes.

Table H-7
Error codes and bits

Error code*	Carrier lost	Overrun	Framing error	Parity error
0			No error	
32			Illegal command	
33	No	No	No	Yes
34	No	No	Yes	No
35	No	No	Yes	Yes
36	No	Yes	No	No
37	No	Yes	No	Yes
38	No	Yes	Yes	No
39	No	Yes	Yes	Yes
40	Yes	No	No	No
41	Yes	No	No	Yes
42	Yes	No	Yes	No
43	Yes	No	Yes	Yes
44	Yes	Yes	No	No
45	Yes	Yes	No	Yes
46	Yes	Yes	Yes	No
47	Yes	Yes	Yes	Yes

* Result of PEEK \$678+s in BASIC or IORESULT in Pascal

The ACIA

The Asynchronous Communication Interface Adapter (ACIA) chip is the heart of the Super Serial Card. It takes the 1.8432 MHz signal generated by the crystal oscillator on the SSC and divides it down to one of the 15 baud rates that it supports. The ACIA also handles all incoming and outgoing signals of the RS232-C serial protocol that the ACIA supports.

The ACIA registers control hardware handshaking and select the baud rate, data format, and parity. The ACIA also performs parallel to serial and serial to parallel data conversion, and buffers data transfers.