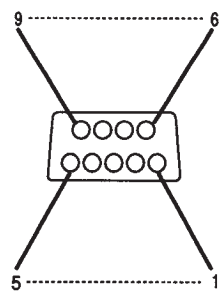


# RS-232C (9-pin)

## Communications Signals

Electrical characteristics: Conforms to EIA RS-232C

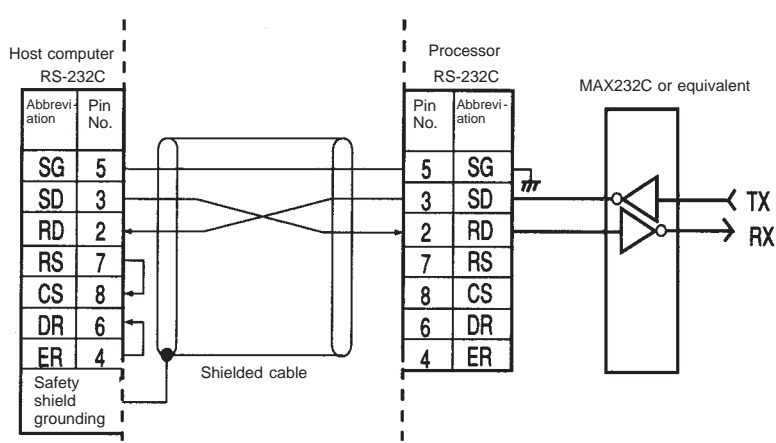
The following information identifies the key input/output signals of the interface.



Signal	Abbreviation	Signal direction	Pin No.
Frame Ground (safety ground)	FG	---	---
Signal Ground or common return	SG	---	5
Send Data	SD	Output	3
Receive Data	RD	Input	2
Request To Send	RS	Output	7
Can Send	CS	Input	8
Data Set Ready	DR	Input	6
Data Terminal Ready	ER	Output	4

## Connection Diagram

The following example provides information on how the RS-232C Intelligent Signal Processor is to be connected to the host computer.



Synchronization clock:

Cable length:

Applicable connectors:

Internal clock

15 m maximum. If increasing the cable length, use OMRON's RS-232C optical interface (Z3RN).

Plug: XM2D-0901 (OMRON) or equivalent  
Hood: XM2D-0911 (OMRON) or equivalent

Connection method (RS-232C direct connection): 1:1 connection only

**Note** 1. The Processor's RS-232C connection is a DTE connection, so the host's CD (carrier detect) signal can't be supported. When the CD signal is required in the host, take the necessary measures at the host, such as a pull-up, so that the signal is supported.

2. Short-circuit the RS with CS and the DR with ER on the host computer side.