68-Pin MCS Standard Connector
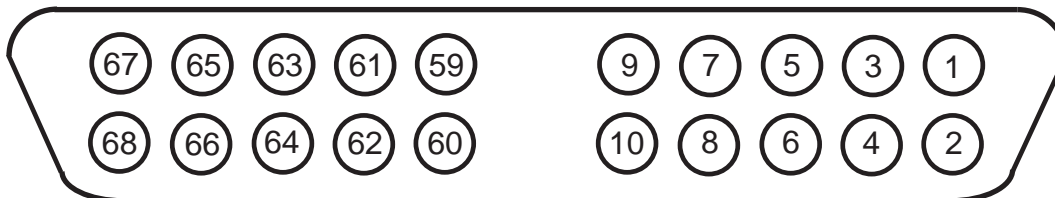
Input / Output   **68-Pin MCS Standard Connector**

MC_Card 64 Channel

Pin	1	GNDP (power ground)
Pin	2	GNDS (signal ground)
Pin	3 - 66	Channel 1 to 64
Pin	67	Positive supply voltage
Pin	68	Negative supply voltage

MC_Card 128 Channel Expansion

Pin	1	GNDP (power ground)
Pin	2	GNDS (signal ground)
Pin	3 - 66	Channel 65 to 128
Pin	67	Positive supply voltage
Pin	68	Negative supply voltage

Note:
The analog channel 64 (for a standard MEA60- or MEA120-System, or a ME-System with at least 64 channels) is available only if the digital input channel is **not** selected in the **Channel Layout** dialog box of the MC_Rack program. Selecting the digital channel reduces the analog channels by one. For MC_Cards with less than 128 channels, the last analog channel is not available when using the digital input channel.

Channels 61 to 64 and 125 to 128 are not used for the MEA / ME-System. Channels 61 to 63 can be used as additional analog input channels A1 to A3 via the additional BNC connectors. ME-Systems may not support all 64 channels, depending on the version of the MC_Card. For example, a ME16-System supports only channels 1 to 16.

Operating an USB supported system without the data acquisition board MC_Card, the digital channel(s) are additional available without reducing the analog channels.