

SC2x32 Signal Collector Unit for 2 MPA32I

Use and Operation of the Signal Collector Unit SC2x32

SC2x32

The SC2x32 is a signal collector for up to two MPA32I preamplifiers, connected via 37-pin D-SUB connectors. The 2x32 input channels are collected, and can be connected to the following amplifier via 68-pin MCS high grade cable.

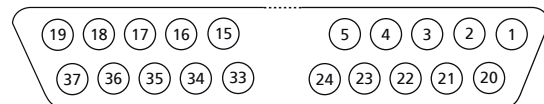
If only one MPA32I is connected, please connect a termination plug to the unused input to prevent it from picking up noise.

The SC2x32 includes a 0.08 Hz high pass filter for removing DC offsets.

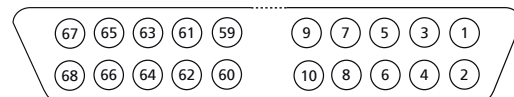
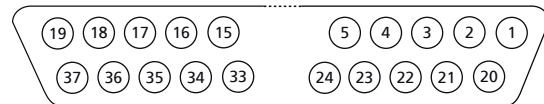
Layout when using Cardio2D Software

When using two EcoFlexMEA36 together with the software Cardio2D, please connect the first EcoFlexMEA, labelled MEA 1 in Cardio2D to channel 1 - 32 and the second EcoFlexMEA, labelled MEA 2 in Cardio2D to channel 33 - 64.

Channel 1 - 32



Channel 33 - 64



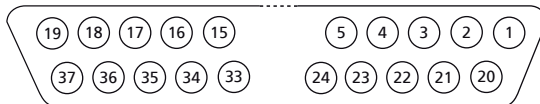
68-pin MCS-standard output

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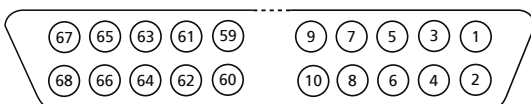


Warning: The device may only be used together with the ME2100- or USB-ME-Systems from Multi Channel Systems and only for the specified purpose. Damage on the device and even fatal injuries can result from improper use.



Pin Layout Input: D-Sub37 Connector

Pin 1	GND (Ground)	Pin 29	Channel 18
Pin 20	Reference Input	Pin 11	Channel 19
Pin 2	Channel 1	Pin 30	Channel 20
Pin 21	Channel 2	Pin 12	Channel 21
Pin 3	Channel 3	Pin 31	Channel 22
Pin 22	Channel 4	Pin 13	Channel 23
Pin 4	Channel 5	Pin 32	Channel 24
Pin 23	Channel 6	Pin 14	Channel 25
Pin 5	Channel 7	Pin 33	Channel 26
Pin 24	Channel 8	Pin 15	Channel 27
Pin 6	Channel 9	Pin 34	Channel 28
Pin 25	Channel 10	Pin 16	Channel 29
Pin 7	Channel 11	Pin 35	Channel 30
Pin 26	Channel 12	Pin 17	Channel 31
Pin 8	Channel 13	Pin 36	Channel 32
Pin 27	Channel 14	Pin 18	GND (Ground)
Pin 9	Channel 15	Pin 37	positive supply voltage
Pin 28	Channel 16	Pin 19	negative supply voltage
Pin 10	Channel 17		



Pin Layout Output: 68-Pin MCS Standard Connector

Pin 1	GND (Ground)
Pin 2	Reference Output
Pin 3 - 66	Channel 1 - 64
Pin 67	positive supply voltage
Pin 68	negative supply voltage