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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.

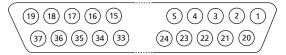
If only one MPA32I is connected, please connect a termination plug to the unused input to prevent it from picking up noise.

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



67 65 63 61 59 9 7 5 3 1 (68) (66) (64) (62) (60) 10 8 6 4 2

68-pin MCS-standard output

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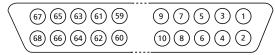


Warning: The device may only be used together with the ME2100or USB-ME-Systems from Multi Channel Systems and only for the specified purpose. Damage on the device and even fatal injuries can result from improper use.



Pin Layout Input: D-Sub37 Connector

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



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

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Multi Channel Systems MCS GmbH Aspenhaustrasse 21 72770 Reutlingen Germany

Phone +49-7121-909 25- 0 +49-7121-909 25-11 Fax

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