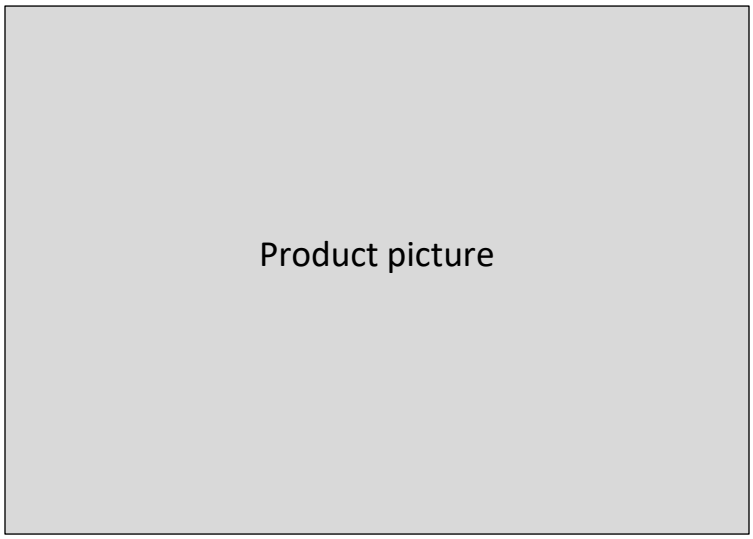
Datasheet

Product Name: Filter Bank (64 channel) for DC Decoupling of ASA-Lab Amplifier

Product Code: CW-1790



Manufacturer: eemagine Medical Imaging Solutions
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E-Mail support@eemagine.com
Web www.eemagine.com

Quality Control Form

Serial nr:
Product testing passed:

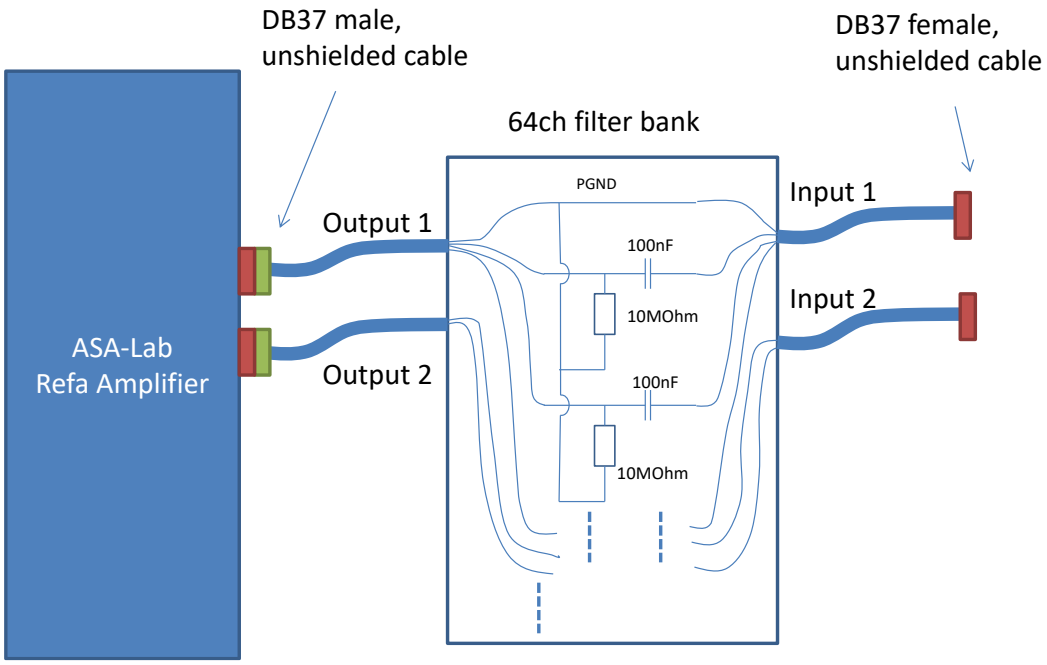
Date:
Signature:

Classification: Research only

Compatibility: Refa amplifier

Description: The adapter contains two DB37 female connectors on input side and two DB37 male connectors on output side. It provides RC high pass filtering for 64 channels, with 10 MΩ and 100 nF (fc = 1.6 Hz) against PGND. PGND is not filtered. PGND is DC coupled.

Specifications:



Connectors

Inputs	2 x DB37 female with 20 cm cable length
Outputs	2 x DB37 male with 20 cm cable length, (mates with Refa amplifier)

Important notes

The patient ground connection (GND) is routed only from Input 1 to Output 1 and connects all RC filters centrally with the ground. Input 1 and Output 1 must be used and connected whenever the filter bank is applied to record signals.

In case of recording only 32 channels, Input 2 and Output 2 might be unused. In this case it is recommended to short circuit all pins on the input connector of the filter bank. The output 2 connector must not be connected to the amplifier in this case!

Pinning:

Output 1			Output 2	
Channel number	DB37 pin number		Channel number	DB37 pin number
-	1		-	1
1	20		33	20
2	2		34	2
3	21		35	21
4	3		36	3
5	22		37	22
6	4		38	4
7	23		39	23
8	5		40	5
9	24		41	24
10	6		42	6
11	25		43	25
12	7		44	7
13	26		45	26
14	8		46	8
15	27		47	27
16	9		48	9
17	28		49	28
18	10		50	10
19	29		51	29
20	11		52	11
21	30		53	30
22	12		54	12
23	31		55	31
24	13		56	13
25	32		57	32
26	14		58	14
27	33		59	33
28	15		60	15
29	34		61	34
30	16		62	16
31	35		63	35
32	17		64	17
Pat. GND	36			36
-	18		-	18
-	37		-	37
-	19		-	19

Warning:

Proper use of the **CW-1790** depends on careful reading of all instructions including the descriptions and labels that come with or on the devices. Inaccurate measurements may be caused by incorrect use of the device. Non-compliance with warnings and safety regulations may result in severe personal injury and total loss of equipment.