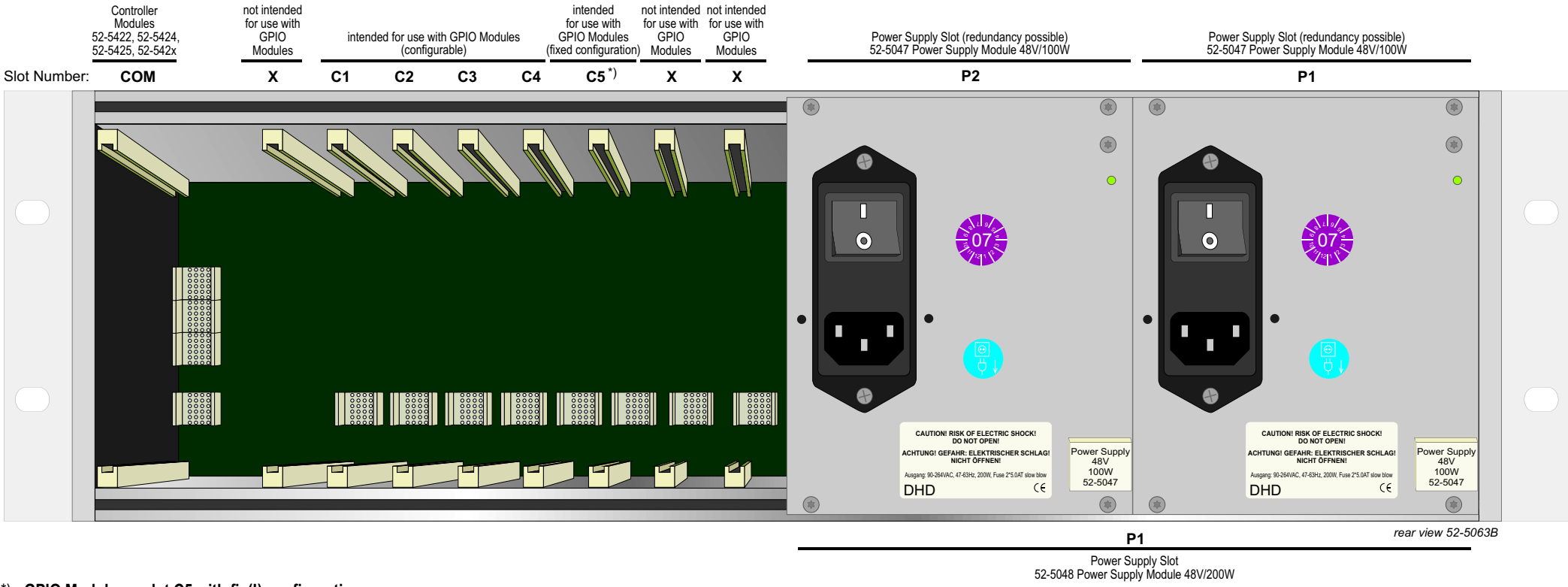
Usage of the GPIO Modules 52-5310/52-5311 in the 52-5063B 52/MB Frame



rear view 52-5063B

*) **GPIO Module on slot C5 with fix(!) configuration:**

GPIO address	description
GPO 1	Heartbeat blinking (controller communication to module ok)
GPO 2	Power Fail (redundant power supply necessary)
GPO 3	internal synchronisation with 44.1kHz is active
GPO 4	the device is externally synchronised
GPO 5	the signal of MADI A is ok
GPO 6	the signal of MADI B is ok
GPO 7	MADI B is forced
GPO 8	unused
GPI 1	unused
GPI 2	unused
GPI 3	force MADI B, switchs only if MADI B is ok
GPI 4	unused

MADI ok = valid fiber optical signal & valid AES10 MADI signal

Type	Pin
GND (VGPI)	15
GPI 2 -	14
GPI 1 -	13
GPO 4 B	12
GPO 3 B	11
GPO 2 B	10
GPO 1 B	9

Pin	Type	Address
8	reserved	Do not connect!
7	VGPI 1/2	
6	GPI 2 +	GPI 2
5	GPI 1 +	GPI 1
4	GPO 4 A	GPO 4
3	GPO 3 A	GPO 3
2	GPO 2 A	GPO 2
1	GPO 1 A	GPO 1

Type	Pin
GND (VGPI)	15
GPI 4 -	14
GPI 3 -	13
GPO 8 B	12
GPO 7 B	11
GPO 6 B	10
GPO 5 B	9

Pin	Type	Address
8	reserved	Do not connect!
7	VGPI 3/4	
6	GPI 4 +	GPI 4
5	GPI 3 +	GPI 3
4	GPO 8 A	GPO 8
3	GPO 7 A	GPO 7
2	GPO 6 A	GPO 6
1	GPO 5 A	GPO 5

Important

We recommend to use GPIO module 52-5310 on slot C5.

GPIO module 52-5311 is not recommended, because the continuous switching heartbeat signal causes a frequent switching sound.

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