

///~~ VULOM 3 PINOUT ~~\\\

NOTICE: Do *NOT* plug anything to Input(1+8), I/O(9+16), Lemo input(2).

VULOM 3	

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16 . . I	UNUSED
15 . . N	UNUSED
14 . . P	TOF(6) INPUT
13 . . U	TOF(5) INPUT
12 . . T	TOF(4) INPUT
11 . .	TOF(3) INPUT
10 . .	TOF(2) INPUT
9 . .	TOF(1) INPUT

8 . .	UNUSED
7 . .	UNUSED
6 . .	MDC(1)
5 . . I	MDC(2)
4 . . N	MDC(3)
3 . . P	MDC(4)
2 . . U	MDC(5)
1 . . T	MDC(6)

16 . . I	UNUSED
15 . . /	TRB BUS ACK -> now UNUSED !!!
14 . . O	TRB BUS RETRANSMIT -> now UNUSED !!!
13 . .	UNUSED
12 . .	HIGH VOLTAGE EXTERNAL INHIBIT PULSE OUTPUT
11 . .	TRB DATA (1) -> now MUX 2 OUT !!!
10 . .	TRB DATA (0) -> now MUX 1 OUT !!!
9 . .	TRB TRANSMISSION CLOCK -> now CALIBRATION out !!!

8 . .	UNUSED
7 . .	VETO SIGNAL INPUT
6 . .	TIMING SIGNAL INPUT
5 . .	PHYSIC TRIGGER 5 INPUT
4 . .	PHYSIC TRIGGER 4 INPUT
3 . . I	PHYSIC TRIGGER 3 INPUT
2 . . /	PHYSIC TRIGGER 2 INPUT
1 . . O	PHYSIC TRIGGER 1 INPUT

16 . . O	PULSER ACCEPTED
15 . . U	VETO SIGNAL AFTER DOWNSCALE OUTPUT
14 . . T	TIMING SIGNAL AFTER DOWNSCALE OUTPUT
13 . . P	PHYSIC TRIGGER 5 AFTER DOWNSCALE OUTPUT
12 . . U	PHYSIC TRIGGER 4 AFTER DOWNSCALE OUTPUT
11 . . T	PHYSIC TRIGGER 3 AFTER DOWNSCALE OUTPUT
10 . .	PHYSIC TRIGGER 2 AFTER DOWNSCALE OUTPUT
9 . .	PHYSIC TRIGGER 1 AFTER DOWNSCALE OUTPUT

8 . .	PULSER
7 . .	VETO SIGNAL BEFORE DOWNSCALE OUTPUT
6 . . O	TIMING SIGNAL BEFORE DOWNSCALE OUTPUT
5 . . U	PHYSIC TRIGGER 5 BEFORE DOWNSCALE OUTPUT
4 . . T	PHYSIC TRIGGER 4 BEFORE DOWNSCALE OUTPUT
3 . . P	PHYSIC TRIGGER 3 BEFORE DOWNSCALE OUTPUT
2 . . U	PHYSIC TRIGGER 2 BEFORE DOWNSCALE OUTPUT
1 . . T	PHYSIC TRIGGER 1 BEFORE DOWNSCALE OUTPUT

LEMO		
1 2		

I 0 0	BUSY INPUT	HIGH VOLTAGE BUSY INPUT
O 0 0	GLOBAL TRIGGER OUTPUT	VULOM BUSY

Mux 1 selection (refer to Logic Diagram)

0	PTI1_DELAYED
1	PTI2_DELAYED
2	PTI3_DELAYED
3	PTI4_DELAYED
4	PTI5_DELAYED
5	TS_DELAYED
6	VS_DELAYED
7	PTI1_and_GTS
8	PTI2_and_GTS
9	PTI3_and_GTS
10	PTI4_and_GTS
11	PTI5_and_GTS
12	TS_READY
13	VS_READY
14	OR_out
15	GLOBAL_TIMING_SIGNAL_OUT

Mux 2 selection

0	PTI1_DELAYED
1	PTI2_DELAYED
2	PTI3_DELAYED
3	PTI4_DELAYED
4	PTI5_DELAYED
5	TS_DELAYED
6	VS_DELAYED
7	tof_mux
8	TS_DELAYED and not VS_WIDTH_SET
9	tof_mult_2_width_out
10	VS_READY
11	mdc_tof_trigger_width_set
12	TS_READY
13	VS_READY
14	CLOCK_READY
15	mdc_mux