front

back

PSL control chassis 2

FB ILS	ILS		monitor FB		servo PMC	FB PMC
			AMP			
			ISO			
	from PD		BREW		from PD	
	LO		INT		LO	
resonant						resonant
trigger			PMC refl			trigger
locked			PMC trans			locked
HV mon			HPL_DC			HV mon
			HPL_AC			
to Beckhoff			MIS-Flow			
from Beckhoff			PWR NPRO			
			NPRO RRO			
	HV (375V)				HV (375V)	
	to PZT				to PZT	
to AI			to AI			to AI
to AA			to AA			to AA

FB ILS	servo ILS		monitor FB		servo PMC	FB PMC	
power	power		power		power	power	power in
ILS bus						PMC bus	

bus lines connected only between communicating modules (via ribbon cable)

PSL control chassis 1

servo ISS					VCO FB	TTFSS FB
outer loop in					to VCO	to rf-PD
PD A						to trans-PD
PD B						
QPD						to table top
						TT FSS
AOM						
						HV 150V
to AI					to AI	to AI
to AA					to AA	to AA

servo ISS					VCO FB	TTFSS FB	
power	power	power		power	power	power	power in

attention:
18V for ISS module and left part of chasis
24V for TTFSSFB and VCO FBB and right part of chassis

both voltages are connected to same bus line number (the one that was formerly 24V in iLIGO)

PSL control chassis 3

HV modul	DBB module	DBB module	DBB module	DBB module	DBB module	DBB FB
						to AI
						to AA

backplane bus connects all modules BUT the HV modue

table top boxes

TT FSS
to front of
FB FSS
to LO FSS

80MHz LO
to FB FSS LO

AOM Driver
80 MHz in
from ISS
to AOM