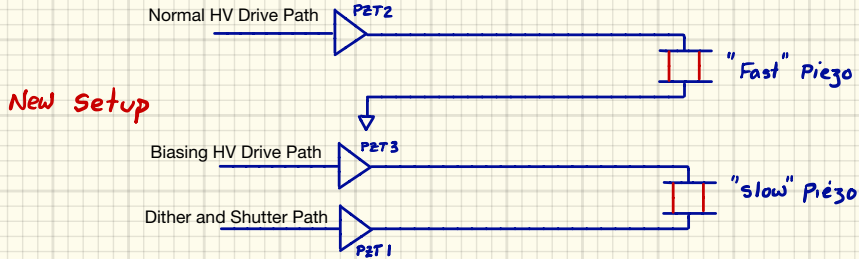
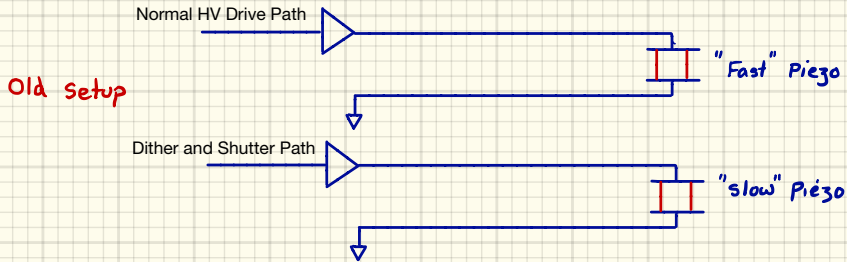


R. ABBOTT
5 Feb 2019

The OMC HV/LV Driver chassis was modified at LHO (4 Feb 2019). It was desired to be able to bias one of the two piezos on the OMC cavity to explore a potentially better mode situation relating to a multiple of the 9.1 MHz sideband.



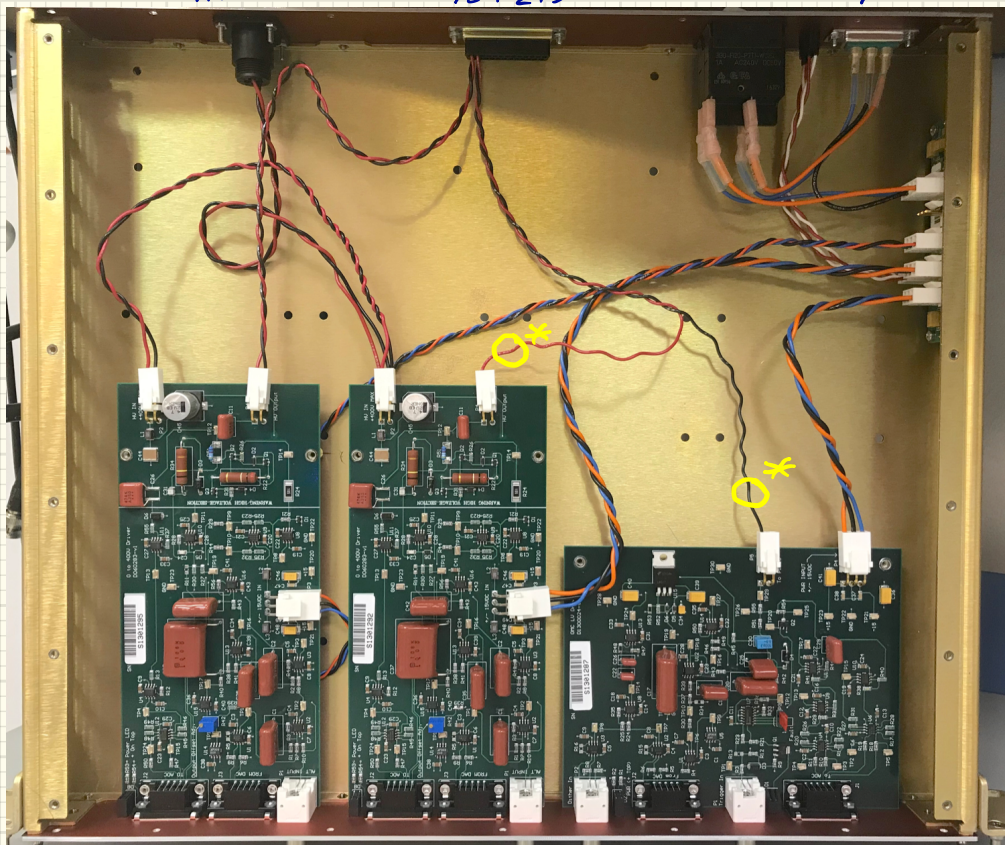
OMC PZT Naming (on MEDM Screens)

- PZT 1 Dither/Shutter (Low Voltage ~ 10VDC)
- PZT 2 Closed loop length control (HV)
- PZT 3 Biasing Control (HV)

HV PS

OUTPUT
TO PZTS

+/-18V



* NEW
WIRING
CONFIG.

LENGTH
CONTROL
PZT HV

BIAS HV

Dither/shutter

CABLE DETAILS

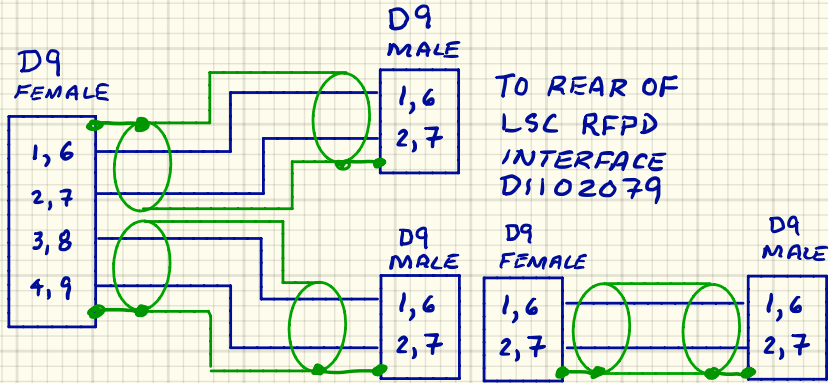
5 FEB 2019

CHANGES TO ADD 2ND HV DRIVER TO OMC

TO AA VIA
CABLE THAT
WAS SERVING
LSC RFPDS. WE
HIJACKED THE
UNUSED CH 3 & 4
FOR NEW OMC
HV BIAS

CABLE #

15C-SQ-296



TO REAR OF
LSC RFPD
INTERFACE
DI102079

TO MON OUT
OF OMC HV
BIAS CONNECTOR
DI300485