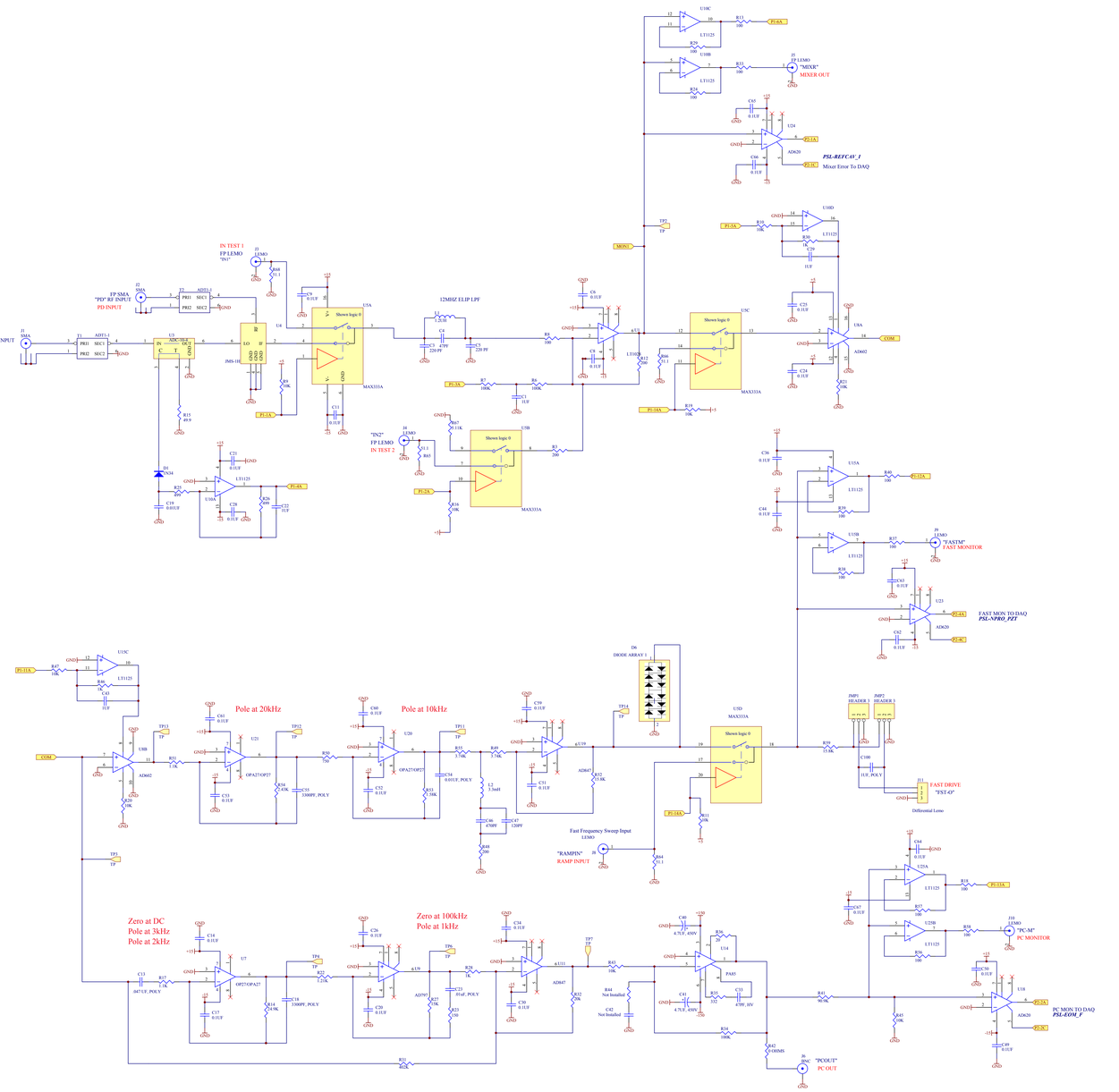
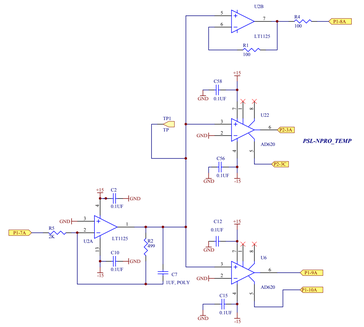
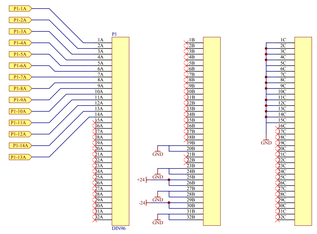
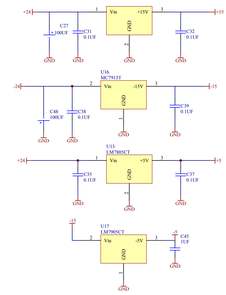
PSL Frequency Stabilization

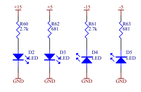
Frequency Stabilization Servo Rev. F

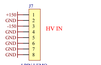












Change Summary for Rev E & Rev F Boards

REV E UPDATES...

*** U7 was an LT1028 and is now an OPA27**

*** R31 has been changed from 100K to 402K**

*** The capacitor in parallel with R52 across U9 has been eliminated from this schematic**

*** R44 and C42 are not installed**

*** C16 formerly in series with C18 has been shorted out.**

*** 1ufd External Cap in the Fast Drive area has now been formally designated C100**

REV F UPDATES...

*** 51 ohm resistors added from the following points to ground: J4-1, U5-14, J3-1, J8-1**

***5.11K added from U5-9 to ground**

.

Part Substitutions

Op-amps in locations U9, U11, U19 may be replaced with part LT1028.

U12 regulators LM7815CT and LM340T-15 are interchangeable.

U15 regulators MC7925T and LM7915CT are interchangeable.

Engineering Change Order History

	ECO number	Date	Originator
1	E010166		RJK
2	E010183		RJK
3			
4			
5			

REV	DATE	DRAWN BY	CHECKED BY	DCC	DCN / DESCRIPTION
F					E010183-00-C

Title: *Frequency Stabilization Servo*
Size: D Number D980536-F-C Revision: F
File: Date: Oct 1, 2001 Time: Sheet of
LIGO Laboratory, California Institute of Technology, Massachusetts Institute of Technology
Engineer: *Richard Abbott*
LIGO