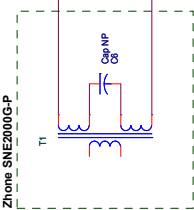
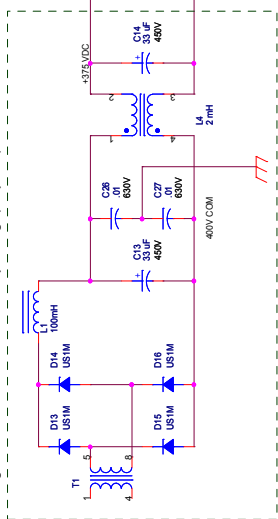


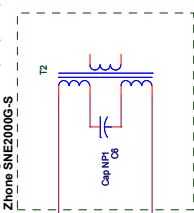
Existing SHDSL Modem (Simplified)



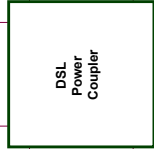
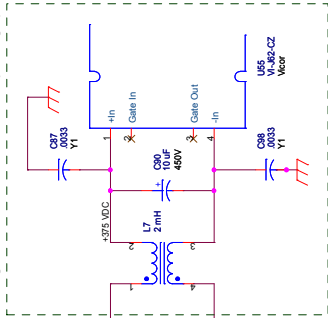
Existing 48V -> 375V DC-DC Converter Output Stage (simplified)



Existing SHDSL Modem (Simplified)



Existing 375V -> 12V DC-DC Converter Input Stage (simplified)



Anchor Cable
19,000'
Zc approx 100 ohm

Specifications -- DSL Power Coupler Modules:

- Power Port:
 - 375 VDC nominal, 425 VDC max, 500 VDC peak (1 msec)
 - 0.25 ADC max
- DSL Port:
 - SHDSL with TC/PAM (G.SHDSL)
- Line Port:
 - up to 19,000 feet twisted pair
 - approx 100 ohms at 1 kHz
- Environmental:
 - 35 C to +50 C operating
 - 5% to 95% RH

MBARI		7700 Sandhollow Rd Marina del Rey, CA 90409		DSL Power Coupler Spec Drawing	
Ed Mellinger mellinger@mbari.org		Size C		Sheet 1 of 1	
11/04/2004		10/20/2021		1.0	
Friday, November 06, 2009		Friday, November 06, 2009		Friday, November 06, 2009	