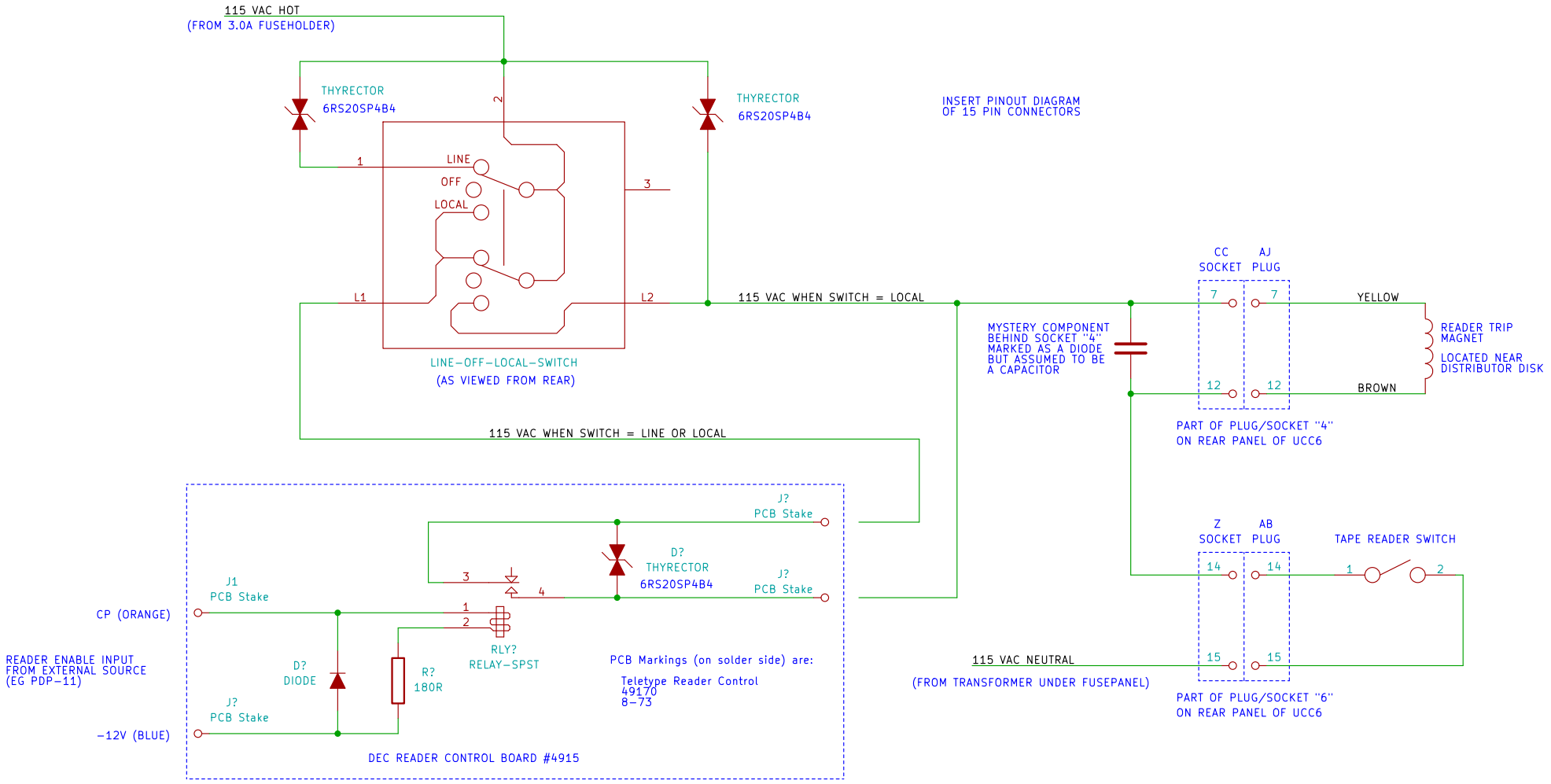

Notes:

1. When Reader Enable Relay is energised (or switch is in "Local" mode), 115VAC Hot is switched to top of Reader Trip Magnet.
2. Other side of Reader Trip Magnet connects to 115VAC Netural only when tape reader switch is in "Start" position and tape is present in tape reader.
3. When tripped, the Reader Trip Magnet causes distributor shaft to rotate one turn.
4. Reader Enable Relay does not directly cause tape to advance in reader (contacts near Reader Trip Magnet do this).
5. Relay is marked as being a 12 VDC unit.
6. Reader trip magnet must be 780 ohm version, for 115 VAC operation.
7. Tape Reader Switch is closed only when lever is in "Start" position and tape is present.
8. Wiring modification: One wire from Reader Trip Magnet gets moved from AJ-(11) to AJ-(7).
9. Reader Enable Relay output gets wired to a new pin at CC-(7). Mates with AJ-(7).
10. Relay on threshold is 8.9V (3mA) and off threshold is 5.3V (0mA). Measured at computer end of cable.
11. Reader Enable circuit consumes 6.0mA at 12.0V and 15.1mA at 15.0V.

File: reader-enable.sch		
Sheet: /		
Title: Teletype Model 33 - DEC's Reader Enable Wiring		
Size: A4	*Date: 25 oct 2014*	*Rev:*
KiCad E.D.A.		Id: 1/1