

Power over the MD

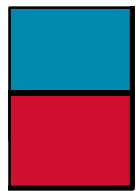
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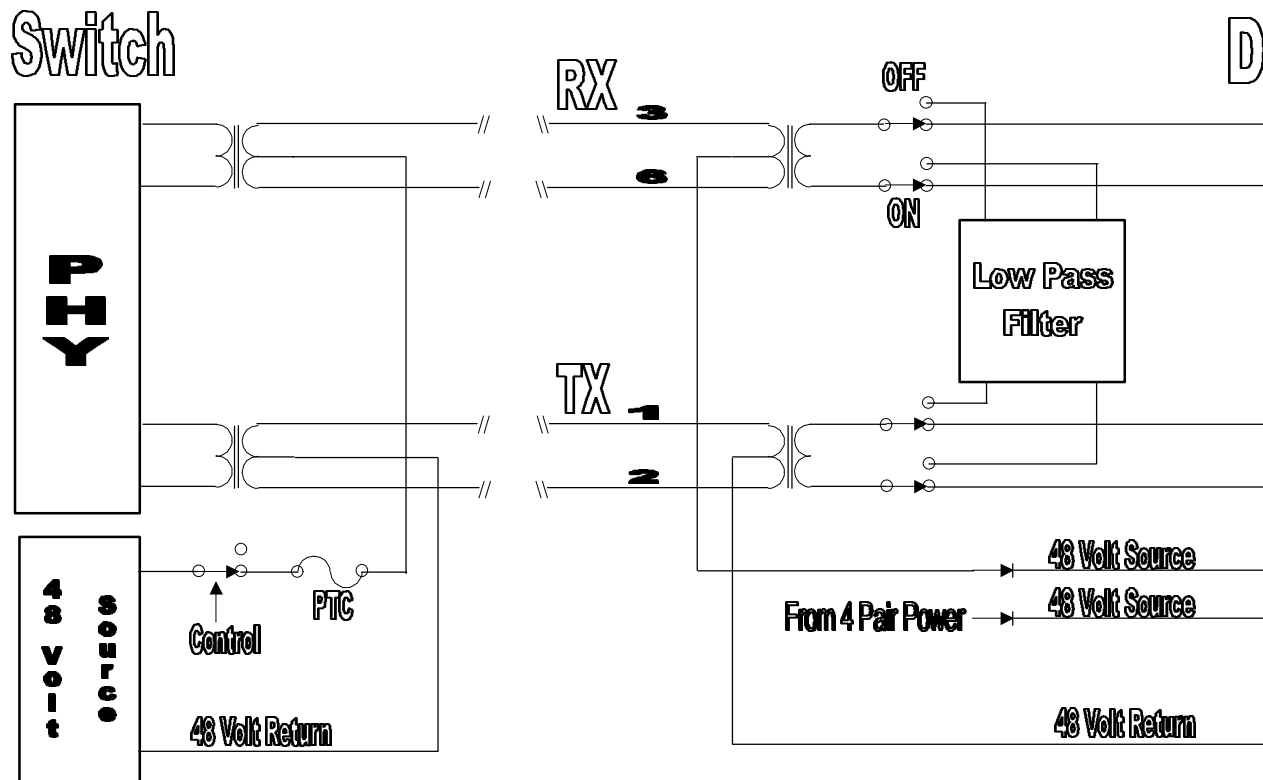


2 Pair Operation

- **Overview**
- **Phone Discovery**
- **Power Delivery**
- **Signal Quality Impact**

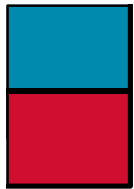


2 Pair Overview



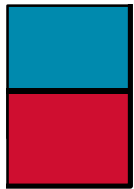
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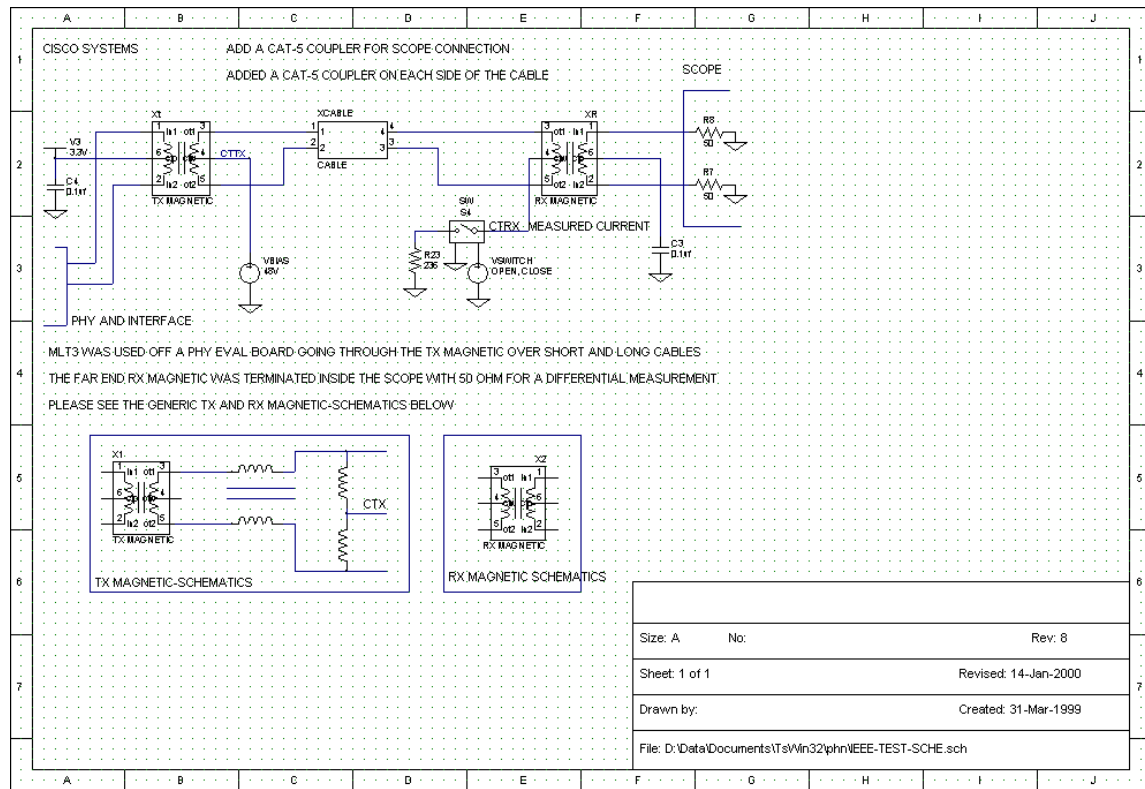


Phone Discovery

- **Using Discovery Tone in Loopback without power (see “DTE Power via MDI” by Vafa Rakshani of Broadcom on 11/8/99)**
- **Each Port on Switch Individually Controlled**
- **Power from Switch up to 8-10 Watts @ 48V “LAN Magnetics operating under DC Bias Conditions” by Henry Heinricks of Pulse Engineering on 11/8/99)**



Signal Quality Measurement



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