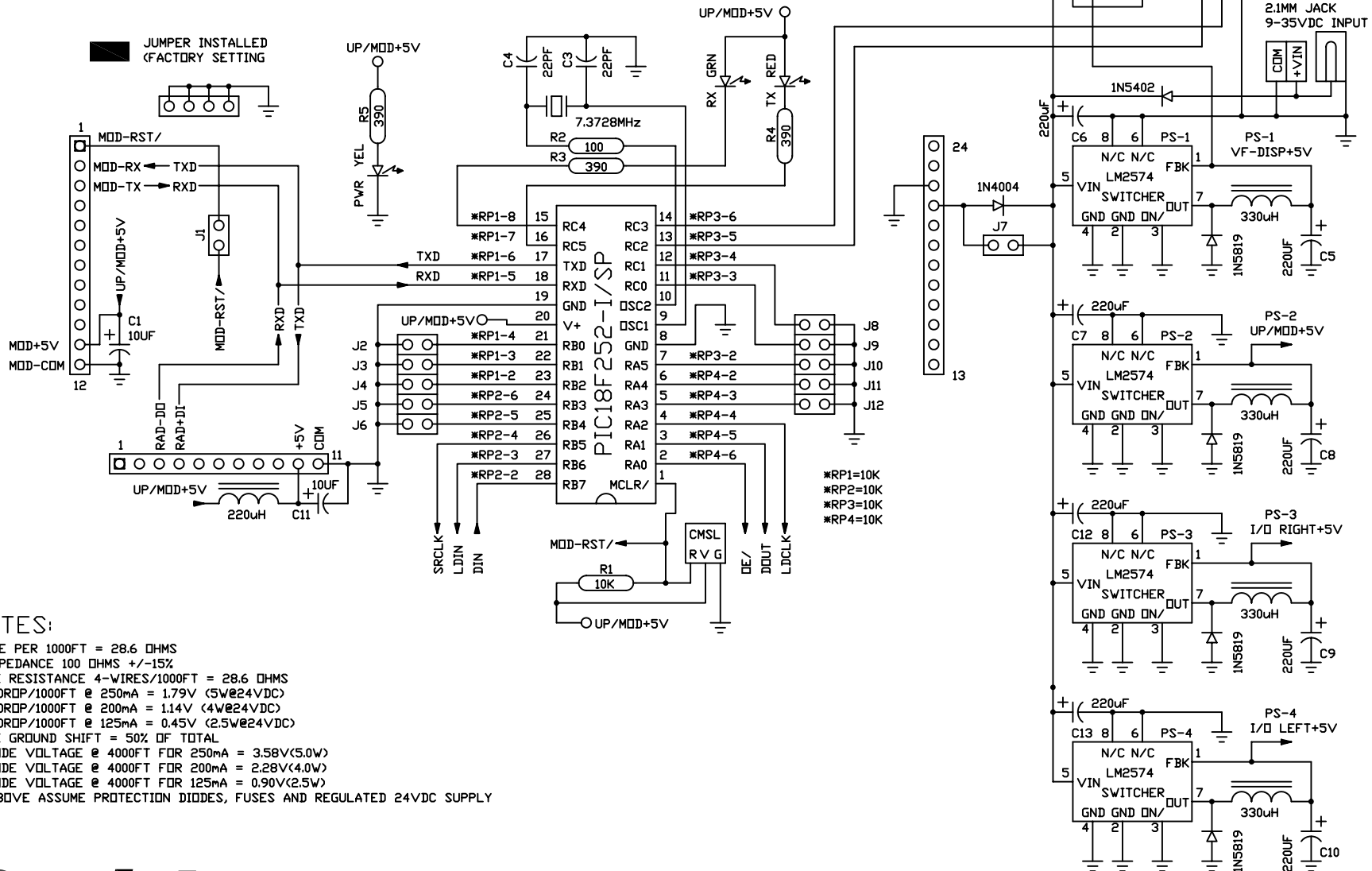


## MODEL PF1616M REV. A



CAT5 NOTES:

- 1) RESISTANCE PER 1000FT = 28.6 OHMS
- 2) 24AWG, IMPEDANCE 100 OHMS +/-15%
- 3) EFFECTIVE RESISTANCE 4-WIRES/1000FT = 28.6 OHMS
- 4) VOLTAGE DROP/1000FT @ 250mA = 1.79V (5W@24VDC)
- 5) VOLTAGE DROP/1000FT @ 200mA = 1.14V (4W@24VDC)
- 6) VOLTAGE DROP/1000FT @ 125mA = 0.45V (2.5W@24VDC)
- 7) EFFECTIVE GROUND SHIFT = 50% OF TOTAL
- 8) COMMON MODE VOLTAGE @ 4000FT FOR 250mA = 3.58V(5.0W)
- 9) COMMON MODE VOLTAGE @ 4000FT FOR 200mA = 2.28V(4.0W)
- 10) COMMON MODE VOLTAGE @ 4000FT FOR 125mA = 0.90V(2.5W)
- 11) VALUES ABOVE ASSUME PROTECTION DIODES, FUSES AND REGULATED 24VDC SUPPLY

**RESmith**  
**WWW.RS485.COM**  
 4311 R. E. Smith Drive, Hamilton, Ohio 45011  
**513-874-4796**

PF1616MCPU  
PF1616MDI□A  
PF1616MDI□B  
PF1616MSS

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DRAWN BY	RES
DATE	3-14-05
SCALE	NONE

CHKD. BY RES

SUBJECT MODEL PF1616L

FOR CPU, SIO, IO, PS

RES	R. E. SMITH 4311 R. E. SMITH DRIVE HAMILTON, OHIO 45011	DWG. NO. PF1616M-CPU	REV. A
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REV.