IDE connector supports 8-bit data transfers only
This is good for CF cards, but not most Hard Disk drives

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IDE active

RED/GREEN bi-color LED

PS should be 470ohm to 820ohm when U25 is LS-TIL
PS may be 100ohm to 220ohm when U25 is ACT-logic
Adjust PS so that 04 (LED) draws 10-20mA, depending upon
max. current rating and desired brightness

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Latch on ROM sheet

from IO-Decode sheet

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File: PIO-IDE.sch
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Sheet 1 of 3

KiCad EDA
Id: 7/9
Combine with + terminal of super cap to form a ZIF-6p alternate external battery connector, if desired.
rev. 008: use 470 pull-up to VCC instead of 2200

rev. 008a: R11-R12-R13 termination combinations suggested:
330 - 150 - 330 (120 ohm termination)
1200 - 1200 - 1200 (144 ohm termination)

RS-422 full duplex twisted pair

rev. 008: swap pins 3 & 4

Connect with Telephone (voice) cable, not Telephone (data) cable.