Each pull up has a 100K pull-down on the enable line. Make sure the pull-up will reach a valid logic level (5.2V or more) with multiple enables paralleled.

Active high

Active low

Must use ACT (or HCT) type buffers. Inputs are compatible with 3.3V or 5V logic.

Emergency Stop switch
(Normally Closed type)
Use jumper if not present.

ESTOP Active (High) unless:
* Software is driving ESTOP SW (low)
* ESTOP ch. is unbroken.

Sheet: Emergency STOP

CRAMPS by Charles Stumpenhier
Copyright 2014 GPL v3
Derived from RAMPS-FD by Bob Couplin
Derived from RAMPS 1.4 reprem.org/wiki/RAMPS1.4

Files e-mp8.sch

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Endstops

JP801 should be used to enable pullups for switch type endstops; remove for active types (e.g. opto)