

## CHAPTER 4. BASIC CONFIGURATIONS FOR A STEPPER BASED SYSTEM 25

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####  
#### You might use something like this to enable chopper drives when machine ON  
#### the Xen signal is defined in core_stepper.hal  
####  
# linksp Xen => parport.0.pin-01-out  
####  
#### If you want active low for this pin, invert it like this:  
####  
# setp parport.0.pin-01-out-invert 1  
####  
#### A sample home switch on the X axis (axis 0). make a signal,  
#### link the incoming parport pin to the signal, then link the signal  
#### to EMC's axis 0 home switch input pin  
####  
# newsig Xhome bit  
# linkps parport.0.pin-10-in => Xhome  
# linksp Xhome => axis.0.home-sw-in  
####  
#### Shared home switches all on one parallel port pin?  
#### that's ok, hook the same signal to all the axes, but be sure to  
#### set HOME_IS_SHARED and HOME_SEQUENCE in the ini file. See the  
#### user manual!  
####  
# newsig homeswitches bit  
# linkps parport.0.pin-10-in => homeswitches  
# linksp homeswitches => axis.0.home-sw-in  
# linksp homeswitches => axis.1.home-sw-in  
# linksp homeswitches => axis.2.home-sw-in  
####  
#### Sample separate limit switches on the X axis (axis 0)  
####  
# newsig X-neg-limit bit  
# linkps parport.0.pin-11-in => X-neg-limit  
# linksp X-neg-limit => axis.0.neg-lim-sw-in  
# newsig X-pos-limit bit  
# linkps parport.0.pin-12-in => X-pos-limit  
# linksp X-pos-limit => axis.0.pos-lim-sw-in  
####  
#### Just like the shared home switches example, you can wire together  
#### limit switches. Beware if you hit one, EMC will stop but can't tell  
#### you which switch/axis has faulted. Use caution when recovering from this.  
####  
# newsig Xlimits bit  
# linkps parport.pin-13-in => Xlimits
```