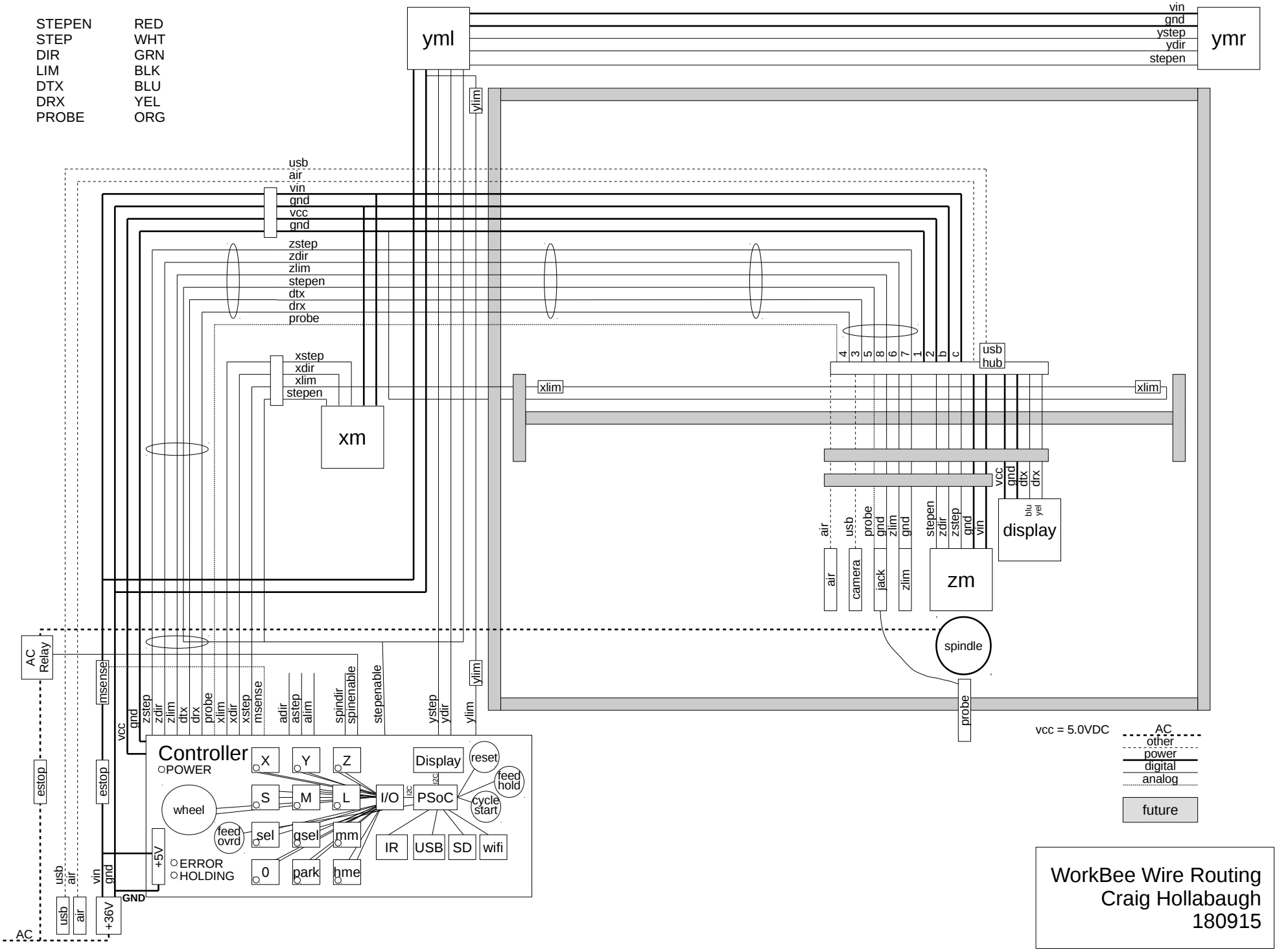
STEPEN RED
STEP WHT
DIR GRN
LIM BLK
DTX BLU
DRX YEL
PROBE ORG
yml
ymr
vin
gnd
ystep
ydir
stepen
ylim
usb
air
vin
gnd
vcc
gnd
zstep
zdir
zlim
stepen
dtx
drx
probe
xstep
xdir
xlim
stepen
xm
xlim
usb hub
4 3 5 8 6 7 1 2 b c
vcc gnd dtx drx
blu yel
display
air usb probe gnd zlim gnd stepen zdir zstep gnd vin
air
camera
jack
zlim
zm
spindle
probe
AC Relay
msense
estop
estop
usb air vin gnd
usb
air
+36V
GND
+5V
vcc gnd zstep zdir zlim dtx drx probe xlim xdir xstep msense adir astep alim spindir spinenable stepenable ystep ydir ylim
Controller
POWER
ERROR
HOLDING
X
Y
Z
Display
reset
feed hold
cycle start
wheel
S
M
L
I/O
I2C
PSoC
feed ovrd
sel
gsel
mm
IR
USB
SD
wifi
0
park
hme
vcc = 5.0VDC
AC
other
power
digital
analog
future
AC
WorkBee Wire Routing
Craig Hollabaugh
180915