

How to tell the difference between Acorn_rev2 and Acorn_rev3
Acorn_rev2 has FIXED green screw terminal blocks
Acorn_rev3 has REMOVABLE green screw terminal blocks

NOTE
DO NOT MAKE ANY CONNECTIONS TO THE ACORN BOARD INPUTS 1-5 AS THEY ARE USED BY THE G540 DB25 PASS THRU CABLE.

E-STOP SWITCH
(NORMALLY CLOSED)

DB25 CABLE - MALE/MALE

G540

1ST HOME/LIMIT SWITCH
2ND HOME/LIMIT SWITCH
3RD HOME/LIMIT SWITCH
4TH HOME/LIMIT SWITCH
TO SPIN FORWARD RELAY
TO SPIN REVERSE RELAY

15 TO 50VDC

POWER
FAULT
GECKODRIVE
G540 MULTIAxis STEP DRIVE
CHARGE PUMP
OFF ON

USED BY G540
(HOME SWITCHES)

USED BY G540
X(ESTOP OK)

PROBE DETECT

PROBE TRIPPED

ACORN
REV 180131
PN:14445

TO RELAY BOARD

USED BY G540
(G540 SPINFWD OFF)
USED BY G540
(CHARGE PUMP)

LUBE PUMP

USED BY G540
(G540 SPINREVOFF)

FROM SPINDLE ENCODER

VFD/0-10VDC COM
VFD/0-10VDC

SHIELDED ETHERNET CABLE FROM PC

E-STOP CIRCUITS ARE RED
OPTIONAL CONNECTIONS ARE BLUE
GROUNDS ARE GREEN
110VAC IS VIOLET

NOTE
OC3 IS NOT AVAILABLE WHEN USING THE CHARGE PUMP FUNCTION
CHARGE PUMP FREQUENCY = 1.2MHZ DIVIDED BY THE VALUE OF PARAMETER 960
A VALUE OF 0 IN PARAMETER 960 DISABLES THE CHARGE PUMP FUNCTION.

