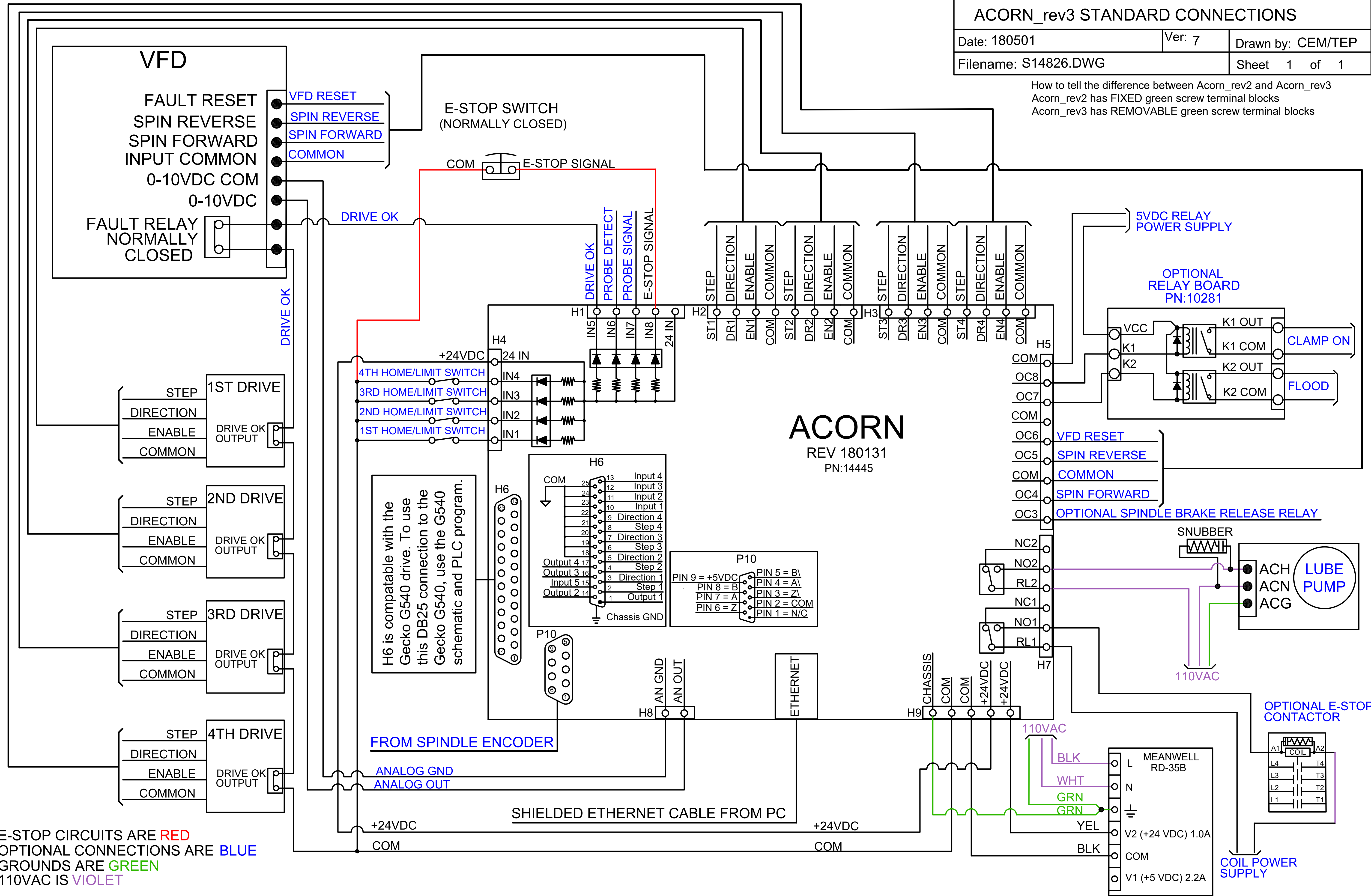


How to tell the difference between Acorn_rev2 and Acorn_rev3
 Acorn_rev2 has FIXED green screw terminal blocks
 Acorn_rev3 has REMOVABLE green screw terminal blocks



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

H6 is compatible with the Gecko G540 drive. To use this DB25 connection to the Gecko G540, use the G540 schematic and PLC program.

FROM SPINDLE ENCODER

ANALOG GND
 ANALOG OUT

SHIELDED ETHERNET CABLE FROM PC

COIL POWER SUPPLY

OPTIONAL E-STOP CONTACTOR

110VAC

110VAC

ACORN
 REV 180131
 PN:14445

OPTIONAL RELAY BOARD
 PN:10281

5VDC RELAY POWER SUPPLY

LUBE PUMP

CLAMP ON
 FLOOD

VFD RESET
 SPIN REVERSE
 COMMON
 SPIN FORWARD
 OPTIONAL SPINDLE BRAKE RELEASE RELAY

E-STOP SWITCH
 (NORMALLY CLOSED)

VFD

FAULT RESET
 SPIN REVERSE
 SPIN FORWARD
 INPUT COMMON
 0-10VDC COM
 0-10VDC

FAULT RELAY
 NORMALLY CLOSED

1ST DRIVE
 STEP
 DIRECTION
 ENABLE
 COMMON
 DRIVE OK OUTPUT

2ND DRIVE
 STEP
 DIRECTION
 ENABLE
 COMMON
 DRIVE OK OUTPUT

3RD DRIVE
 STEP
 DIRECTION
 ENABLE
 COMMON
 DRIVE OK OUTPUT

4TH DRIVE
 STEP
 DIRECTION
 ENABLE
 COMMON
 DRIVE OK OUTPUT

DRIVE OK

DRIVE OK
 PROBE DETECT
 PROBE SIGNAL
 E-STOP SIGNAL

COM E-STOP SIGNAL

+24VDC

4TH HOME/LIMIT SWITCH

3RD HOME/LIMIT SWITCH

2ND HOME/LIMIT SWITCH

1ST HOME/LIMIT SWITCH

H6

COM 25
 24
 23
 22
 21
 20
 19
 18
 17
 16
 15
 14
 Input 4
 Input 3
 Input 2
 Input 1
 Direction 4
 Step 4
 Direction 3
 Step 3
 Direction 2
 Step 2
 Direction 1
 Step 1
 Output 4
 Output 3
 Output 2
 Output 1
 Chassis GND

P10
 PIN 9 = +5VDC
 PIN 8 = B
 PIN 7 = A
 PIN 6 = Z
 PIN 5 = B/
 PIN 4 = A/
 PIN 3 = Z/
 PIN 2 = COM
 PIN 1 = N/C

H8

AN GND
 AN OUT

ETHERNET

H9

CHASSIS
 COM
 COM
 +24VDC
 +24VDC

110VAC

BLK

WHT

GRN

GRN

YEL

COM

V1 (+5 VDC) 2.2A

V2 (+24 VDC) 1.0A

COM

BLK

MEANWELL RD-35B
 L
 N
 GND
 YEL
 COM
 V2 (+24 VDC) 1.0A
 COM
 V1 (+5 VDC) 2.2A
 BLK

ACH
 ACN
 ACG

COIL POWER SUPPLY

A1
 COIL
 A2
 L4
 T4
 L3
 T3
 L2
 T2
 L1
 T1

VCC
 K1
 K2
 K1 OUT
 K1 COM
 K2 OUT
 K2 COM
 CLAMP ON
 FLOOD

OC8
 OC7
 COM
 OC6
 OC5
 COM
 OC4
 OC3

NC2
 NO2
 RL2
 NC1
 NO1
 RL1

H7

COM

COM

COM

COM

COM

COM

COM

COM

COM

COM

COM

COM

COM

COM

COM

COM

COM

COM