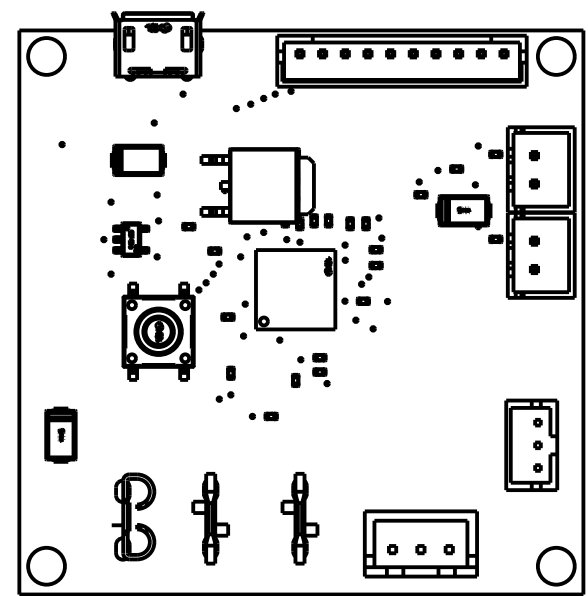
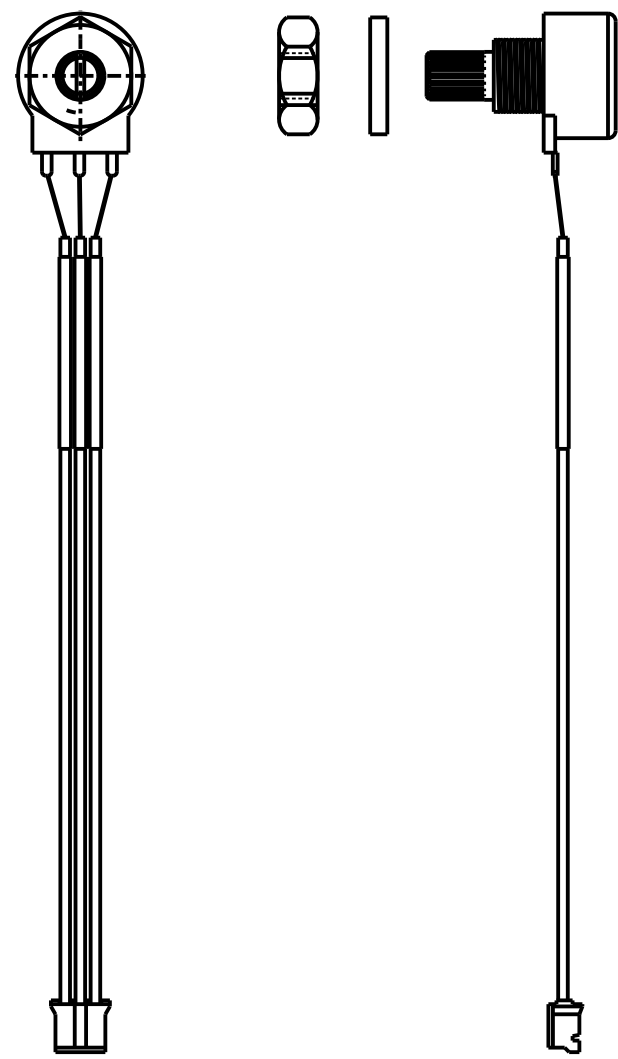


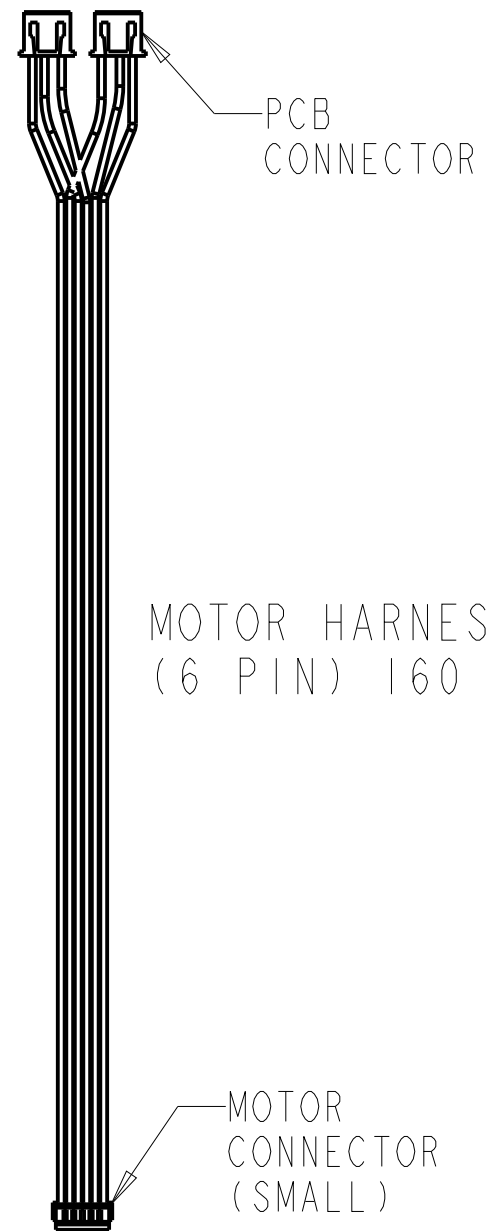
KIT CONTENTS: 25kHz BRUSHLESS CONTROLLER



CONTROL BOARD

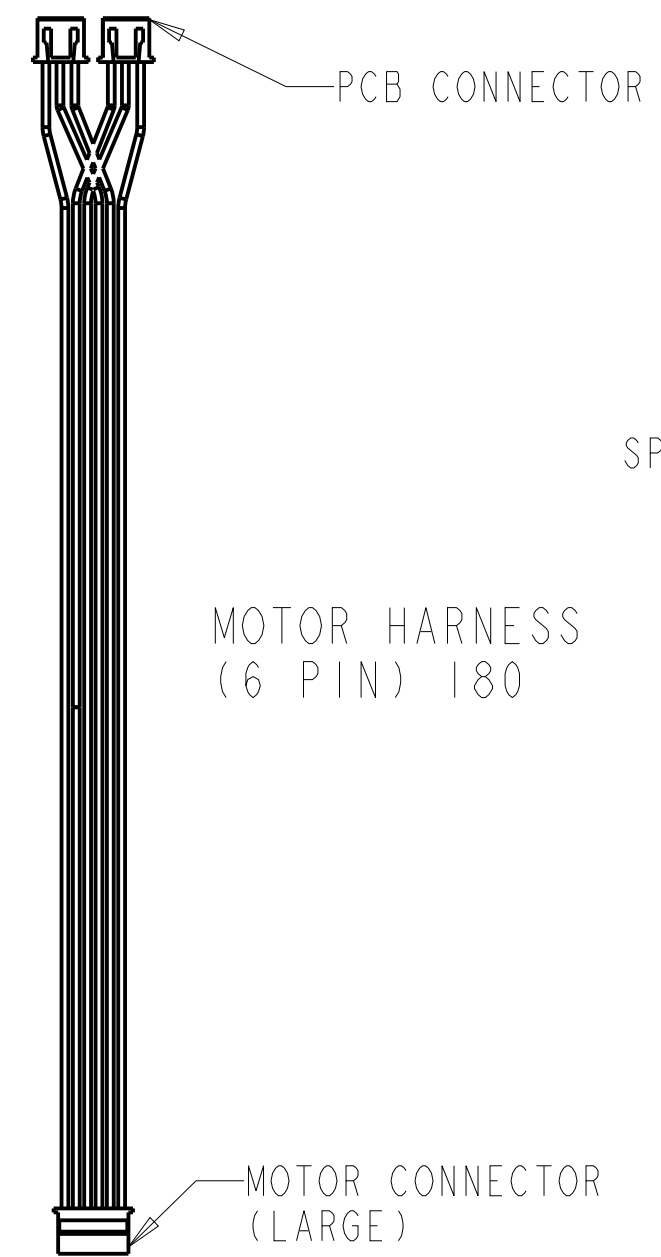


POTENTIOMETER



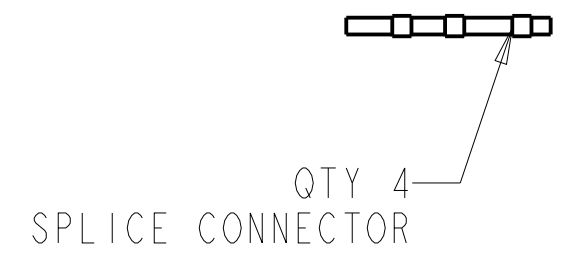
MOTOR HARNESS
(6 PIN) 160

MOTOR CONNECTOR
(SMALL)



MOTOR HARNESS
(6 PIN) 180

MOTOR CONNECTOR
(LARGE)

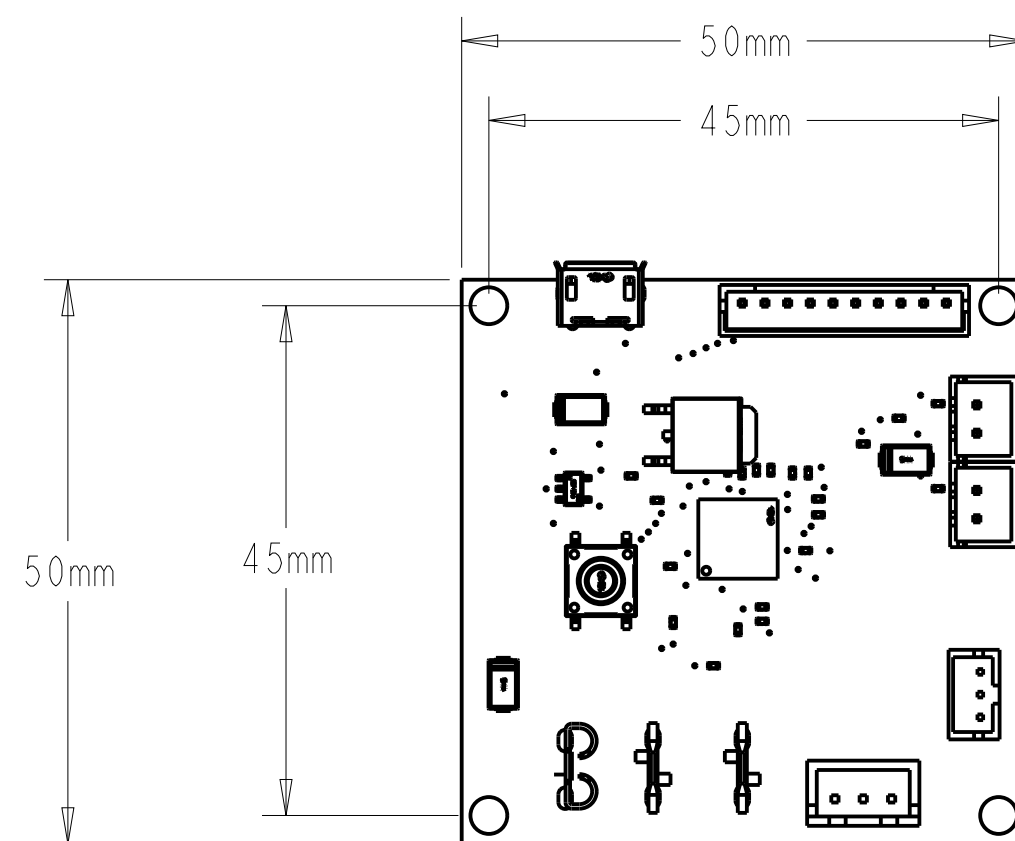


QTY 4
SPLICE CONNECTOR

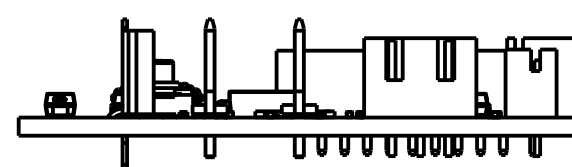


KNOB

CONTROL BOARD MOUNTING DIMENSIONS



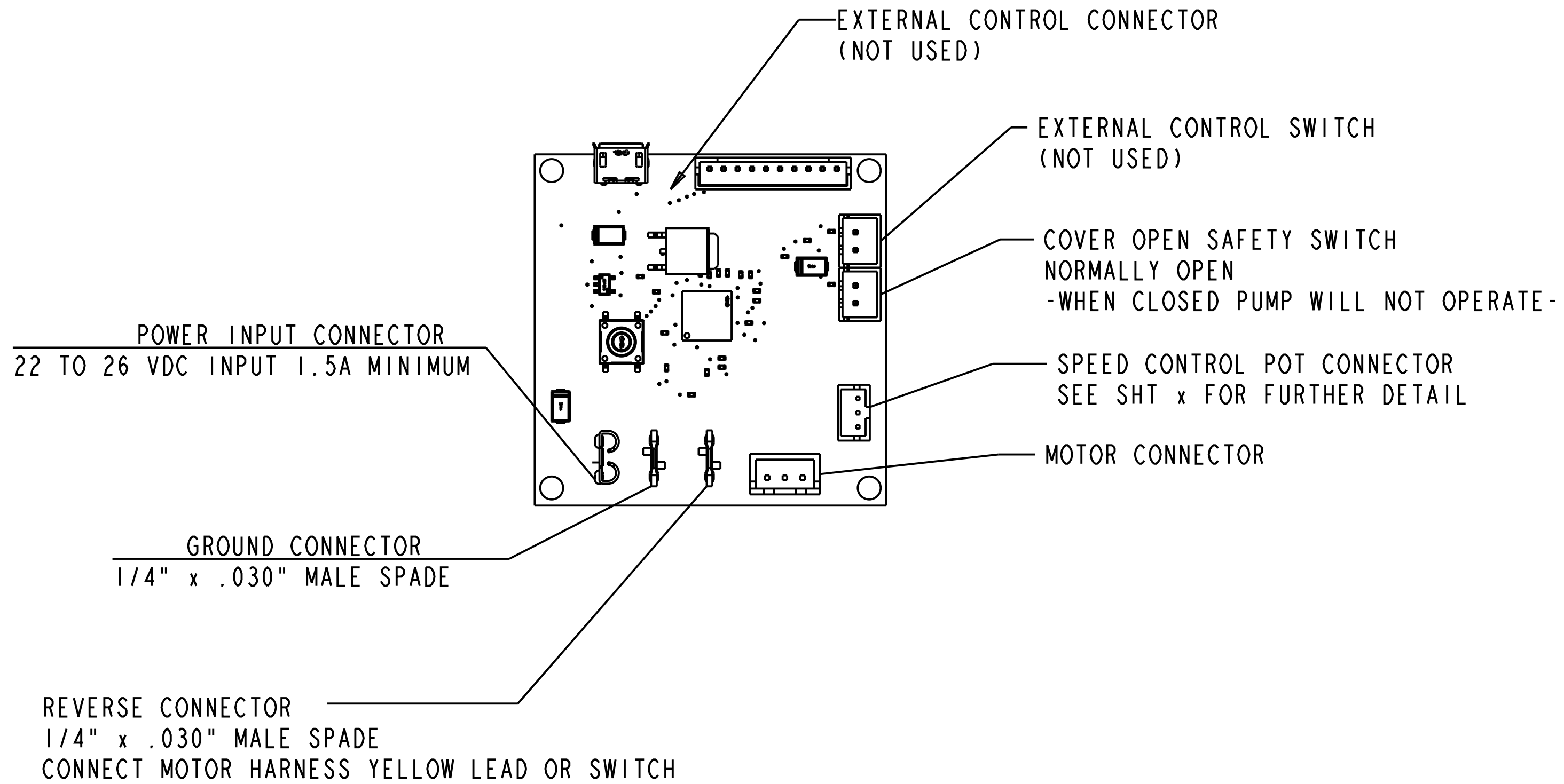
MOUNTING SURFACE



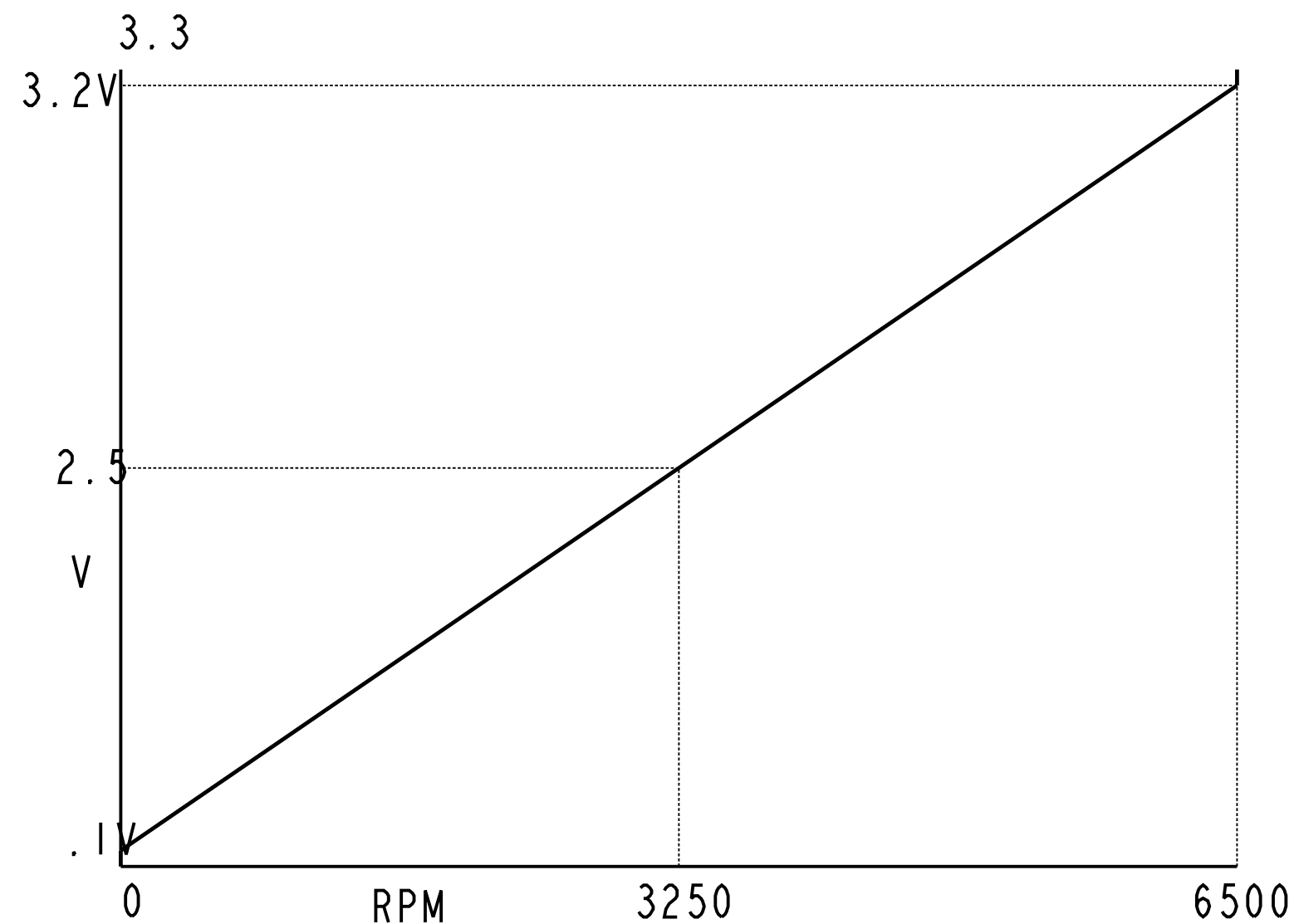
12mm MINIMUM CLEARANCE

P/N: 28-025K-00-00
SHEET: 1 OF 6
REV:F

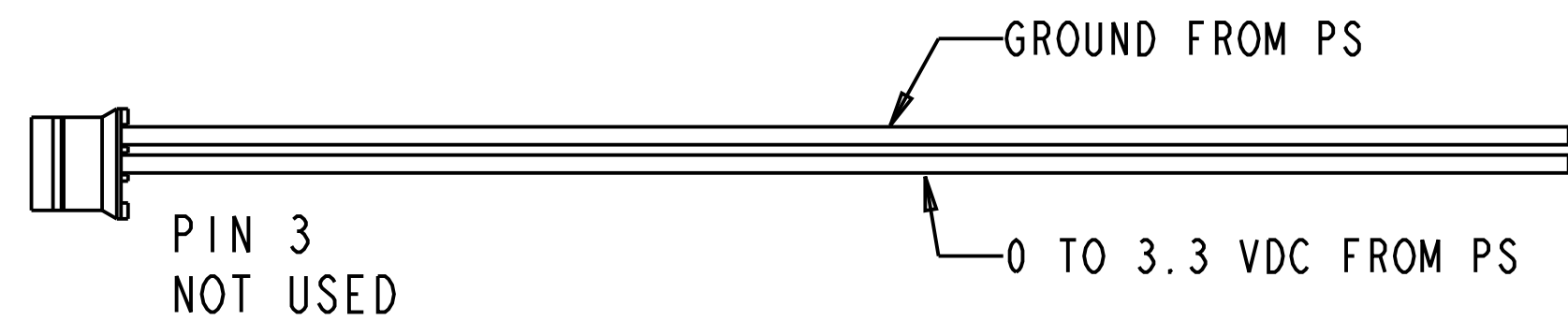
WIRING INSTRUCTIONS



SPEED CONTROL VIA 0-3.3 POWER SUPPLY COMPONENTS NOT SUPPLIED



JST PH CONNECTOR



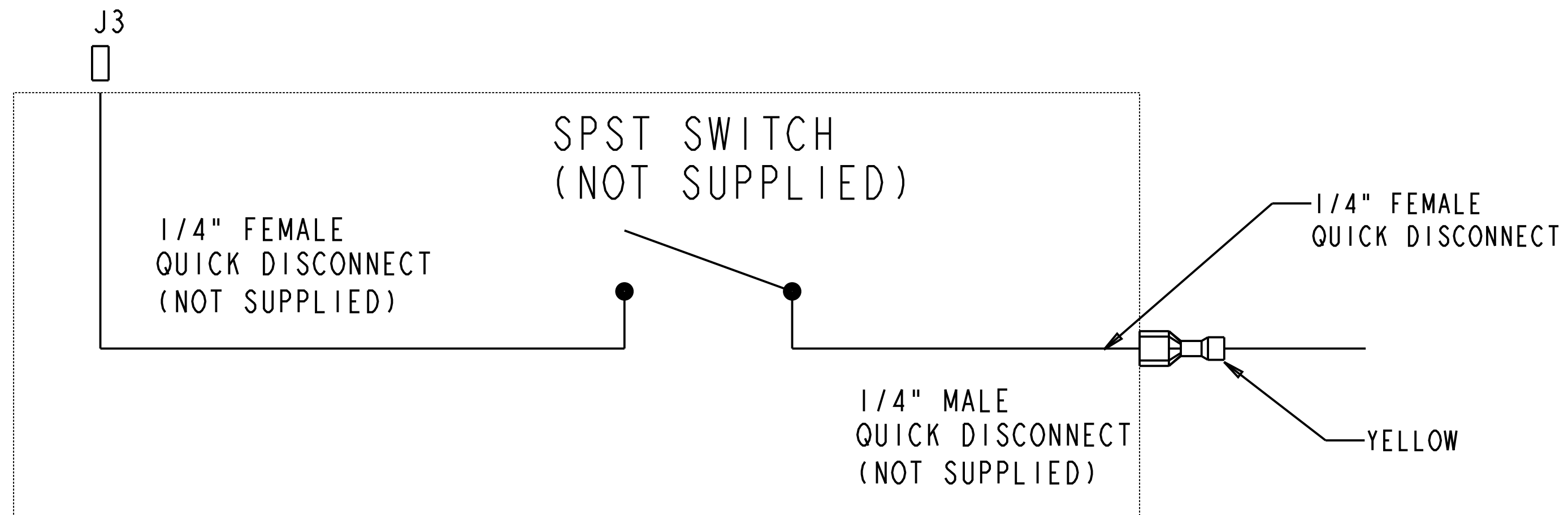
0-.1v MOTOR IS OFF

v>3.2 MOTOR IS FULL SPEED (6500 RPM)

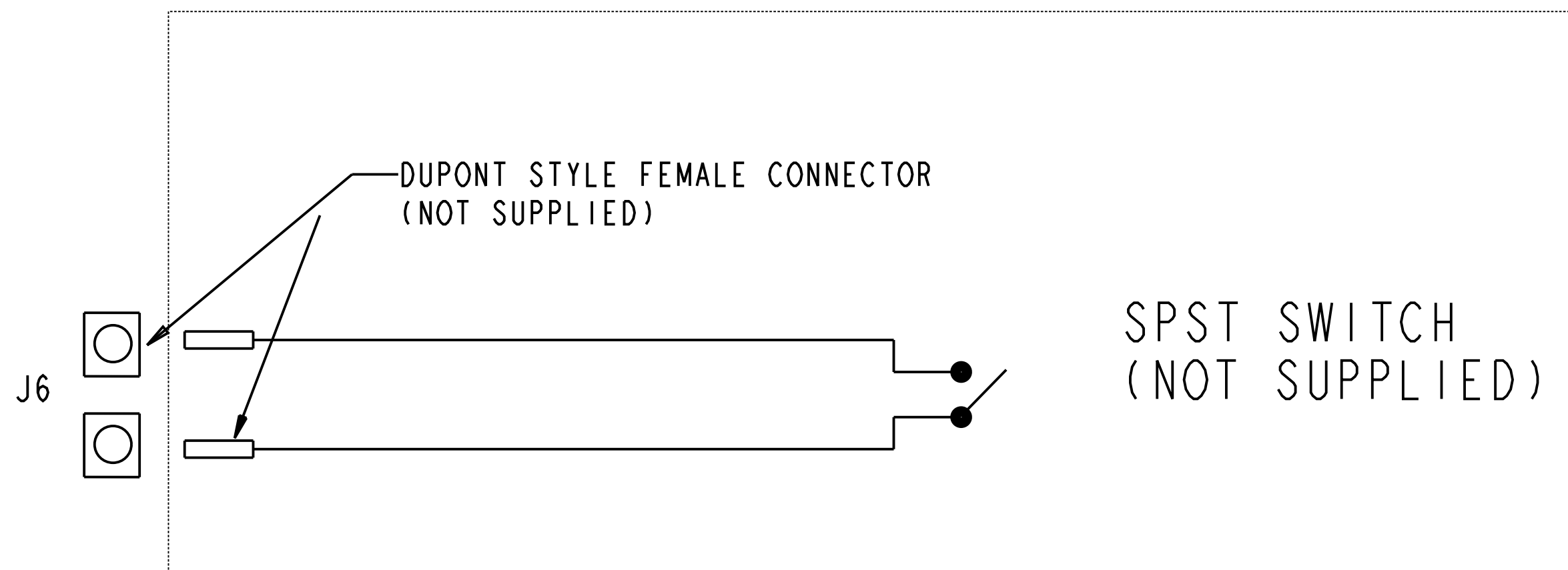
MOTOR SPEED IS LINEAR AT 1v=1354 RPM

SEE ANKOPRODUCTS.COM FOR 0-5v & 0-10V INSTRUCTION USING A VOLTAGE DIVIDER.

REVERSE VIA SWITCH CLOSURE

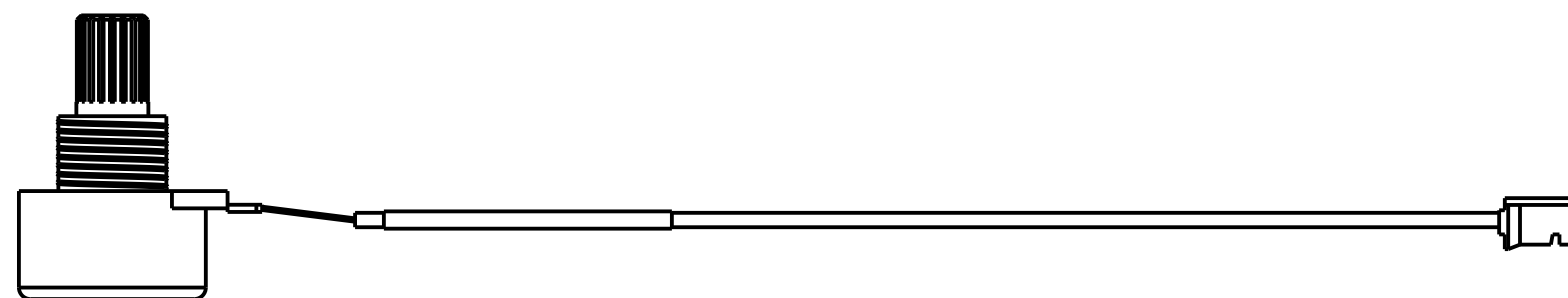


ON-OFF VIA SWITCH CLOSURE



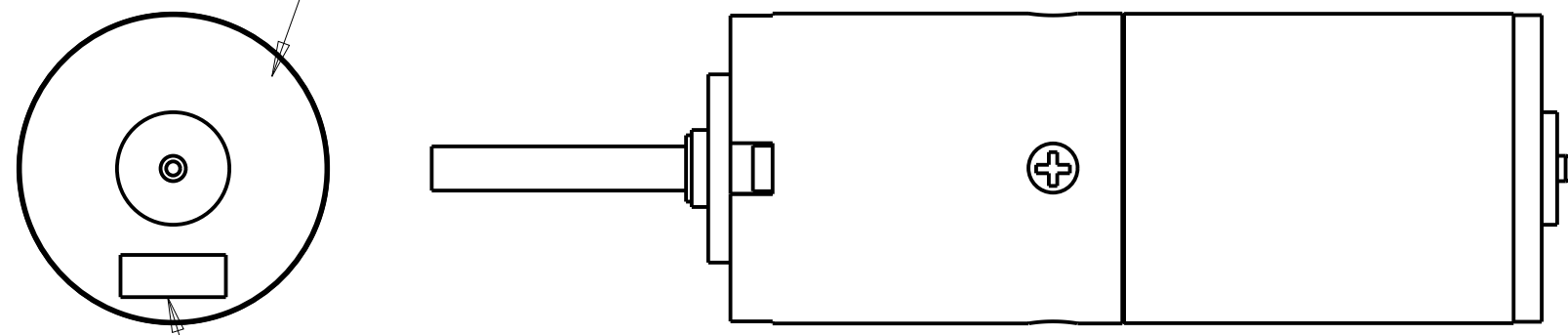
SPEED CONTROL VIA POTENTIOMETER

PLUG SUPPLIED POT INTO J5 ROTATE
CW TO INCREASE SPEED



A201BX

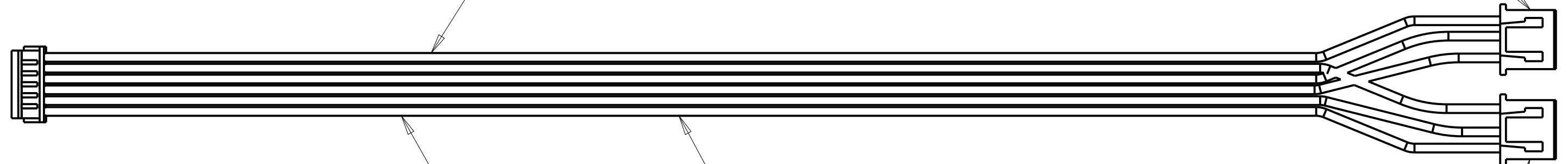
NO VENTS



DETACHABLE HARNESS LOCATION

SEE PAGE 6 FOR HARNESS REPIN OR WIRE SPLICE FOR 28mm MOTORS

DO NOT CONNECT, YELLOW, BLUE & WHITE WIRE, SEE PAGE 6



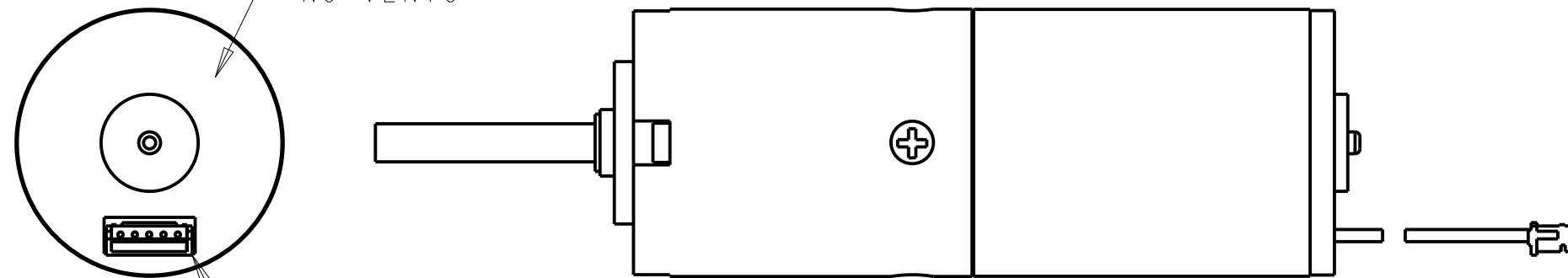
RED WIRE

HARNESS 23-3051-160-00

USE RED, BLACK & GREEN FOR PCB BOARD

A201BX-150

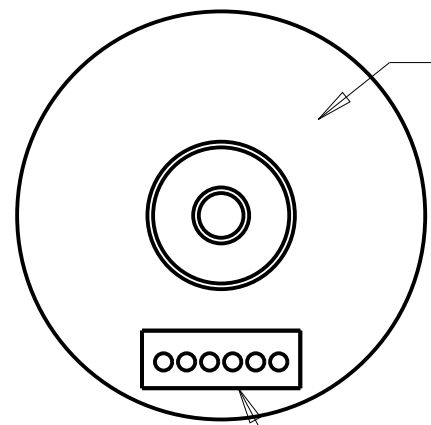
NO VENTS



PREWIRED HARNESS

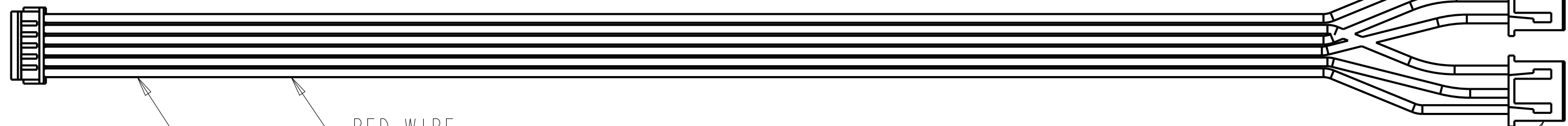
A302B, L402B WITH NEW MOTORS

NO VENTS



DETACHABLE HARNESS LOCATION

DO NOT CONNECT, YELLOW, BLUE & WHITE WIRE, SEE PAGE 5



RED WIRE

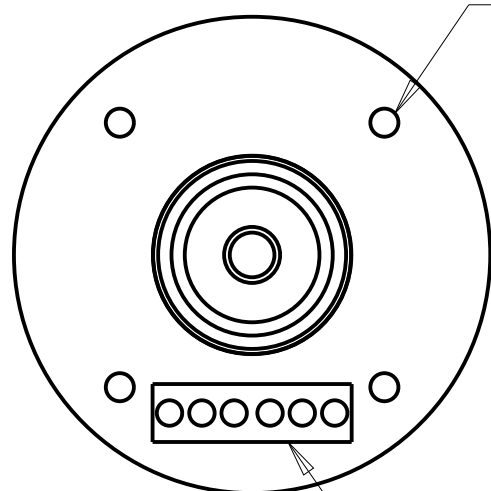
HARNESS 23-3051-160-00

USE RED, BLACK & GREEN FOR PCB BOARD

A302BX L402BX A603BX

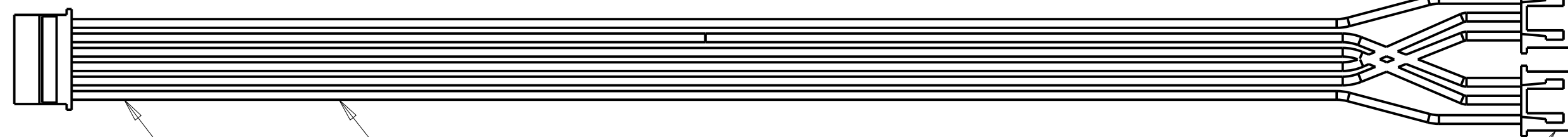
WITH DETACHABLE HARNESS

4 VENTS



DETACHABLE HARNESS LOCATION

DO NOT CONNECT, YELLOW, BLUE & WHITE WIRE, SEE PAGE 5



RED WIRE

HARNESS 23-3051-180-00

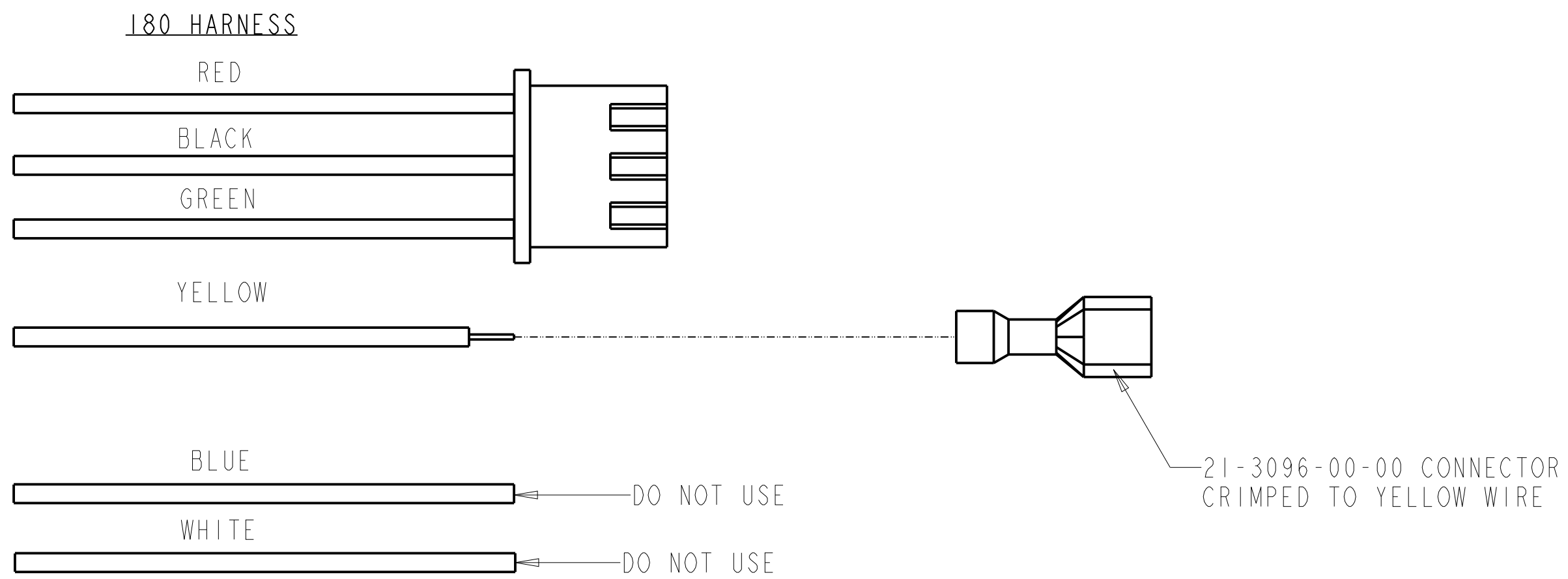
USE RED, BLACK & GREEN FOR PCB BOARD



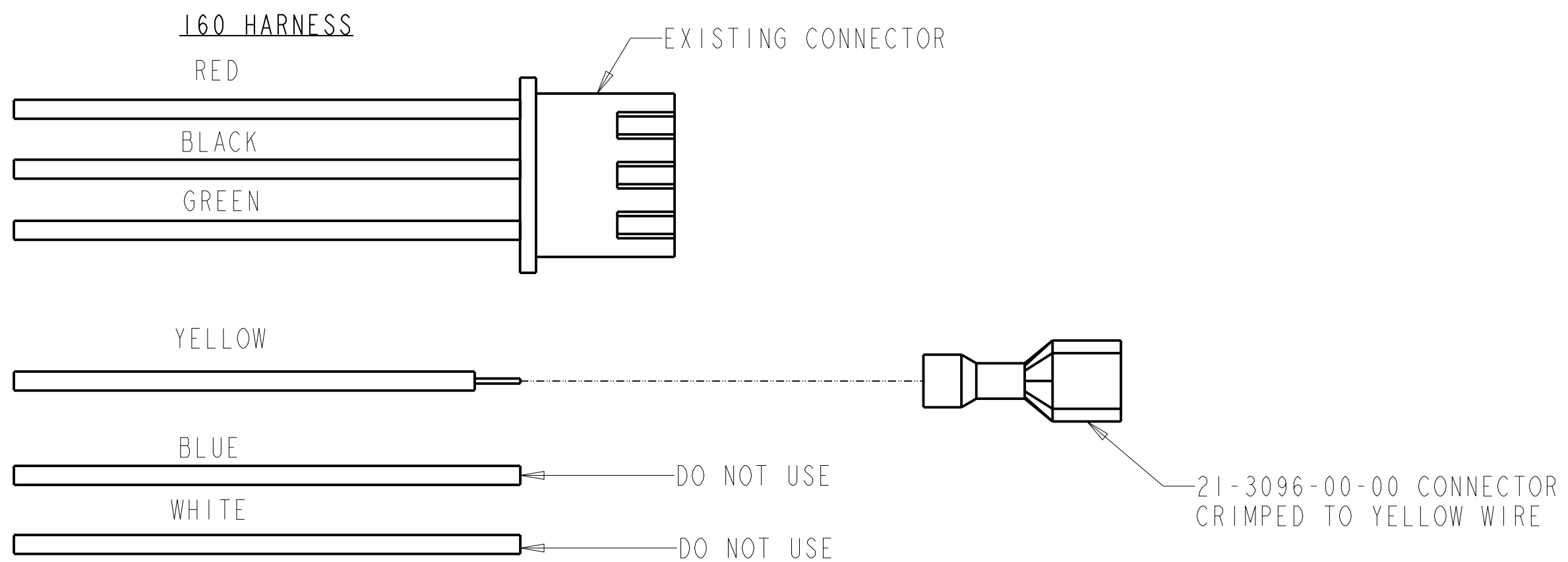
DISCARD



A302BX, L402BX, A603BX
(42mm Motor)

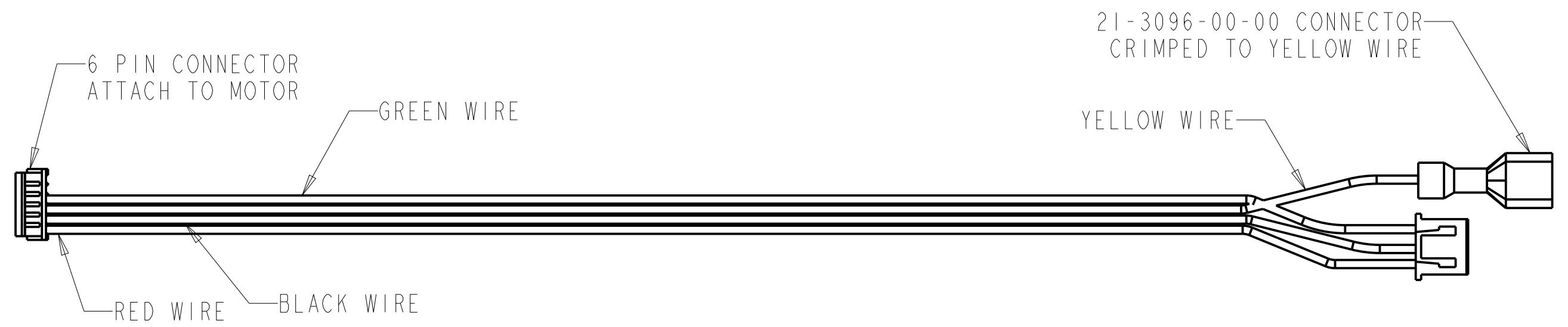


ALL OTHERS, A302B, L402B
(36mm Motor)



HARNESS MODIFICATION

1. REMOVE THE THREE PIN CONNECTOR THAT HAS THE BLUE, YELLOW & WHITE WIRE.
2. DEPIN WHITE WIRE & BLUE WIRE FROM 6 PIN CONECTOR DISCARD.
3. DEPIN GREEN WIRE FROM 6 PIN CONNECTOR & REPIN IN PIN 4 LOCATION.
4. CRIMP CONNECTOR 21-3069-00-00 TO YELLOW WIRE AS SHOWN.



A201BX-150 - SPECIFIC

HARNESS MODIFICATION FOR PREWIRED MOTOR

1. REMOVE THE THREE PIN CONNECTOR THAT HAS THE BLUE, YELLOW & WHITE WIRE ON THE 160 HARNESS.
2. REMOVE 6 PIN CONECTOR FROM HARDWIRED MOTOR HARNESS.
3. SPLICE RED, BLACK & GREEN WIRE AS SHOWN USING THE HEAT SHRINK SOLDER JOINTS.
4. CRIMP CONNECTOR 21-3069-00-00 TO YELLOW WIRE AS SHOWN.
5. DO NOT USE BLUE & WHITE WIRE

