BIT I/O
SPI
RTD

CE11/3.1C

BIT_IN/2.1D

CE10/2.1C

BIT_OUT/2.1B

AIN_12/4.2C

FLAG/2.1B

AIN_13

SPI_MOSI/2.1C

SPI_MISO/2.1C

AIN_13/4.2D

THIS PAD ROW ACCOMMODATES INSTALLING J4 REVERSED ON THE MAIN BOARD

CIRCUIT BOARD

BR01

DRAWING FRAME SHOWN ON CIRCUIT BOARD

MAIN BOARD CONNECT

TITILE: STEPPER CONTROL

Drawn
W. ROBISON  10/20/15

Designed
W. ROBISON  10/20/15

Code
2D354

Series
102

A

Number
38032

REI:

Date: 10/19/15 10:05 AM

Shee: 1/5
J4 (J2) INSTALLATION

When J4 on mainboard is located on the bottom of the board, J4 must be relocated to maintain pinout.
J4 may be shifted 0.100 toward the edge of the board, using the adjacent set of holes to correct the pinout change caused by moving J4 on the mainboard to the bottom.
The header may also be moved to the bottom of the daughterboard to achieve the same effect.
When using the J2 pins, use the silkscreen to correctly locate the connector.

STEPPER POWER

Power to the stepper motor is supplied through the J1 connector shown on Sheet 4 of the schematic.
Voltage up to 48 volts may be used if required by the stepper motor. Lower voltages are also acceptable.
Three power pins appear on J1 and two ground pins.
Pin assignments were chosen to eliminate vias on the circuit board, so examine the schematic to correctly phase the motor windings.