Harness Installation Instructions
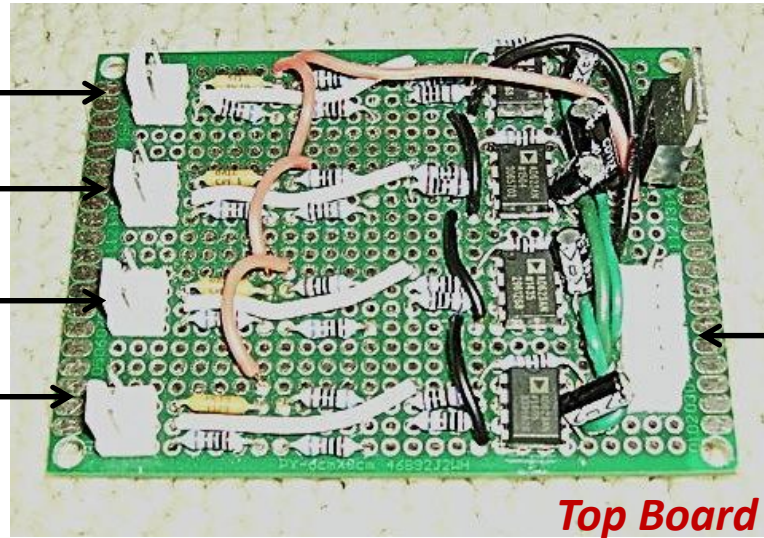
Version 1

October 2, 2016

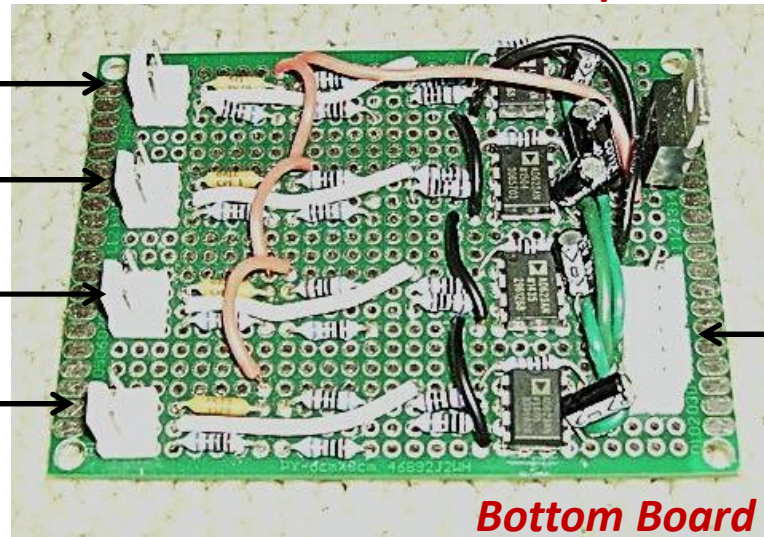# RTD Boards

Top of cabinet

HLT BP: 3 wire RTD

HLT OP: 3 wire RTD

MLT BP: 3 wire RTD
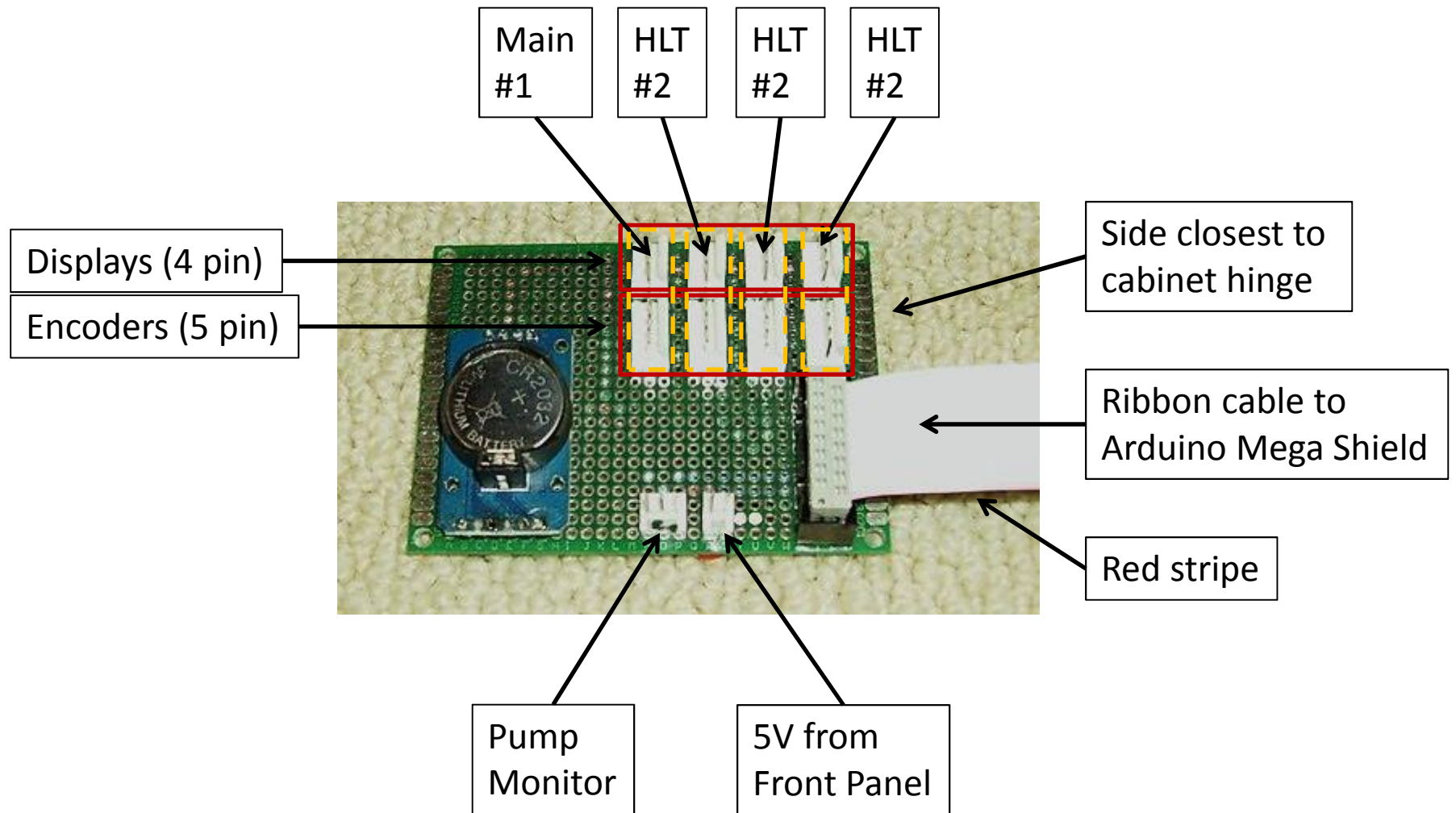
MLT OP: 3 wire RTD

Top RTD Board Cable 1

Top Board

BK BP: 3 wire RTD

BK OP: 3 wire RTD

SPARE: 3 wire RTD

SPARE: 3 wire RTD

Bottom RTD Board Cable 2

Bottom Board
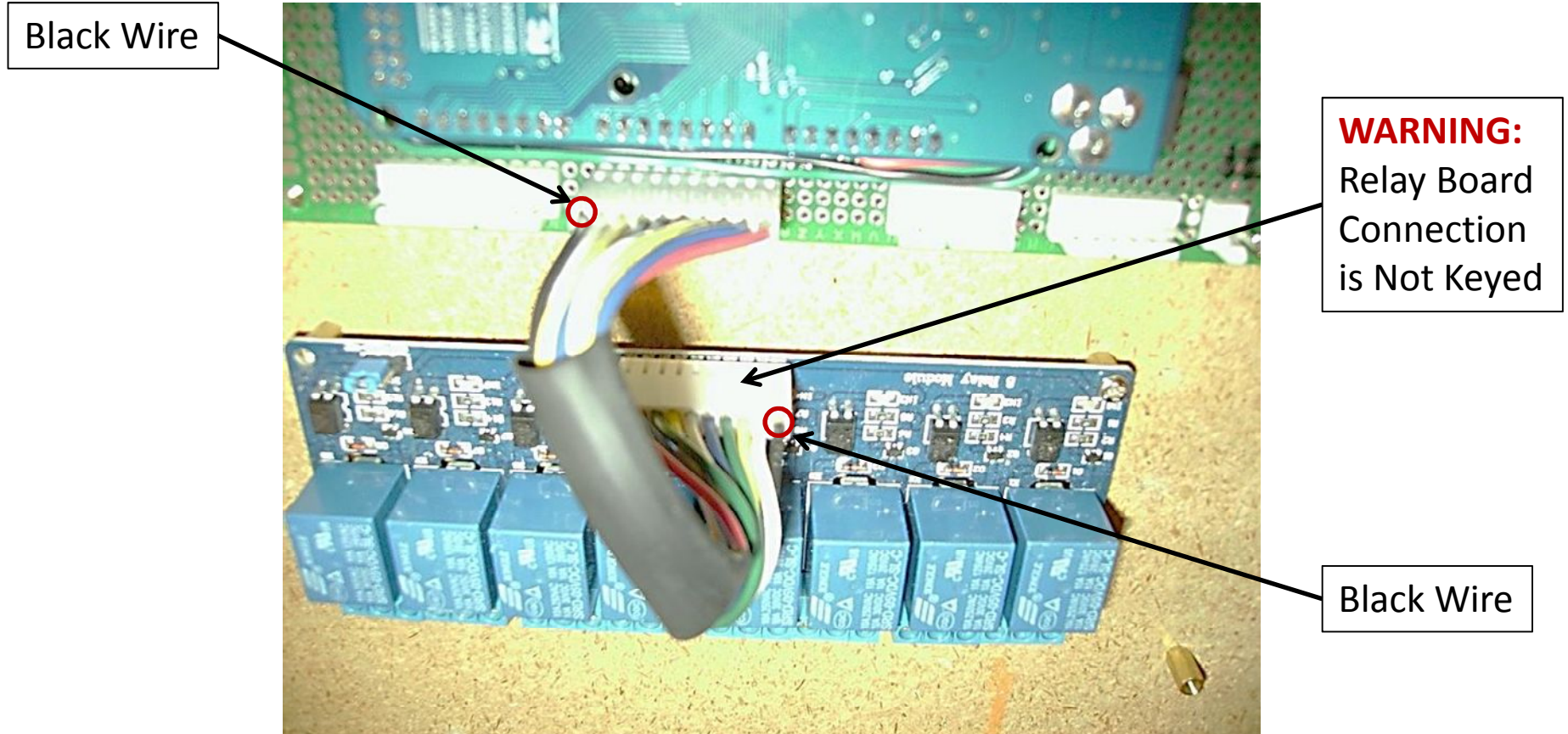
Bottom of cabinet

Front Panel Connection Board

Main #1

HLT #2

HLT #2

HLT #2

Displays (4 pin)

Encoders (5 pin)

Side closest to cabinet hinge

Ribbon cable to Arduino Mega Shield

Red stripe

Pump Monitor

5V from Front Panel

Arduino Mega Shield

5V to Front Panel

Ribbon cable to Arduino Mega Shield

Red stripe

HLT TC

MLT TC

BK TC

5V from Step Down Voltage Converter

Black Wire

Top Relay Board Cable 1

Bottom Relay Board Cable 2

Top RTD Board Cable 1

Bottom RTD Board Cable 2

12V from Linear Power Supply

Arduino Shield/Relay Board

Black Wire

WARNING: Relay Board Connection is Not Keyed

Black Wire

Arduino Shield/Relay Board

Black Wire

Black Wire

WARNING: Relay Board Connection is Not Keyed