



VIBRATION ANALYSIS HARDWARE

# Product Manual

MNX10029 REV A

*MODEL CBP10250/CBP10307*



&

*CBP10249/CBP10308*



**3 & 5 Position Connector Kits**

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# Section I

## Overview

### ***Introduction***

This document contains information on the proper installation of the CBP10250/CBP10307 & CBP10249/CBP10308 connector kits. User manuals are provided with the system for all configurable internal components.

### ***Description***

Assembly instructions for the SF Connector, Utilizing (3) Socket/ (3) Pin Connectors and (5) socket/ (5) Pin Connectors.

***Note: With regards to the shield drain, each cable assembly should be built as directed by the cable build instructions.***

## Section II Installation

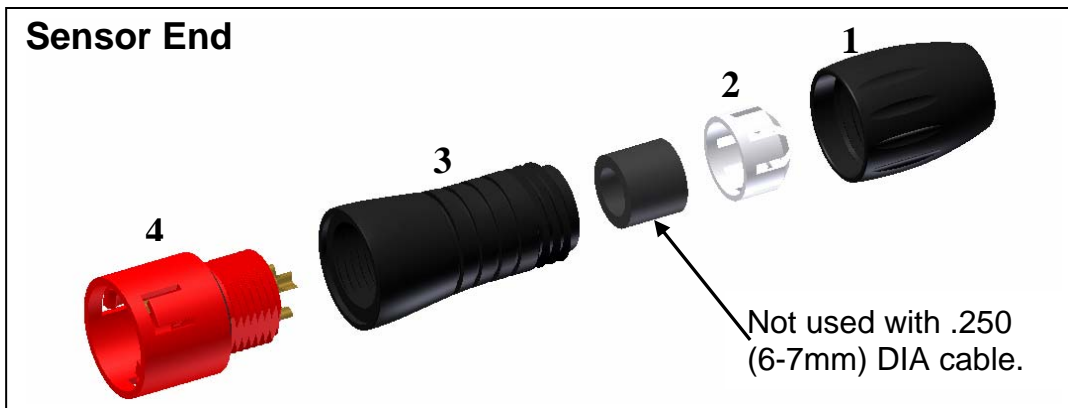
### **CBP1025/CBP10307- Initial Cable Build (Pin End):**

**Note: This is always mounted on Sensor or Coiled Cable end of assembly.**

1. Trim the outer cable ¼" inch and strip the inner conductors 1/8" inch.

**Note: If using CB103 cable component #3 needs to be opened up to .28" DIA (7mm) to allow for Epoxy fill.**

2. Slide components of the connectors over the cable in the order shown.
  1. Back shell nut.
  2. Compression nut with bushing.
  3. Back shell.
  4. Connector body.



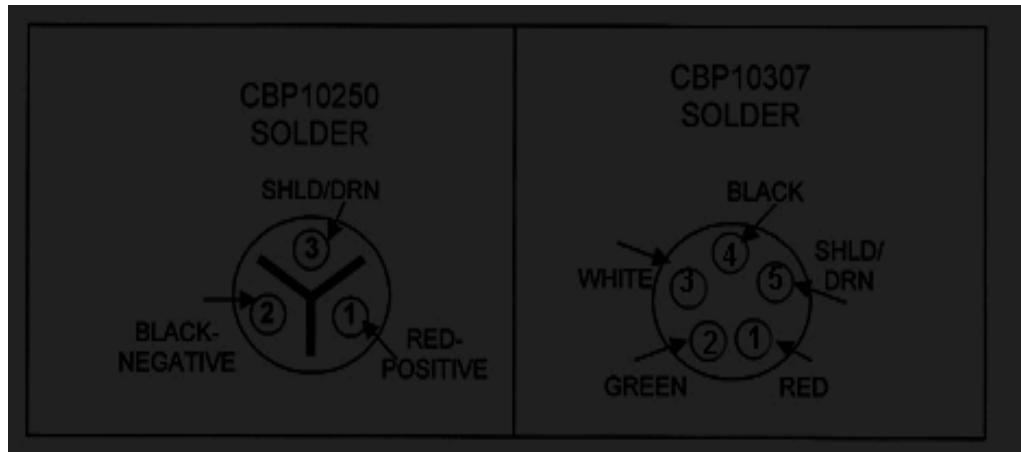
**Figure 1. Connector Assembly**

### **3. Soldering instructions for CBP10250:**

- a. Solder the red connector to the pin #1.
- b. Solder the black conductor pin #2.
- c. Solder the shield drain to pin #3.

### **Soldering instructions for CBP10307:**

- a. Pin #1- RED.
- b. Pin #2- GREEN.
- c. Pin #3- WHITE.
- d. Pin #4- BLACK.
- e. Pin #5- SLD/DRN.



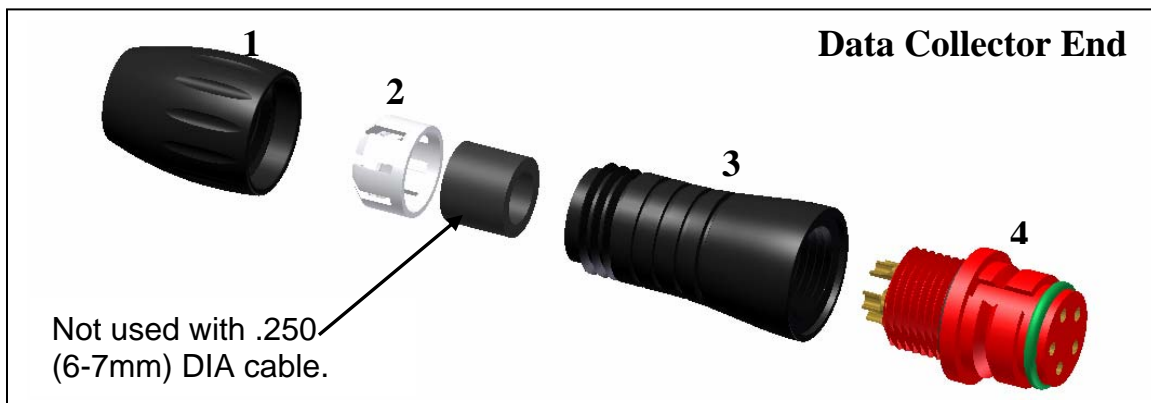
**Figure 2. Soldering Guide**

4. Assemble (3) and (4) now, and using supplied syringe (filled with epoxy) insert syringe into back shell component (3) and fill with epoxy, to the thread. Please use caution and refrain from over-filling back shell at this point.
5. Slide the first component (2 & 1) over the soldered conductors and thread onto the socket (1)
6. Slide the white component (3) onto the threaded part (2) and hold in place by threading the last component (4) over it. If using CB103 (or other cable with 0.25" diameter), omit rubber washer.
7. Slide the white component (3) onto the threaded part (2) and hold in place by threading the last component (4) over it. If using CB103 cable omit rubber washer.

**CBP10249/CBP10308- Initial Cable Build (Socket End):**

**Note: CTC recommends that the "Socket" is always mounted on the DATA COLLECTOR end of assembly.**

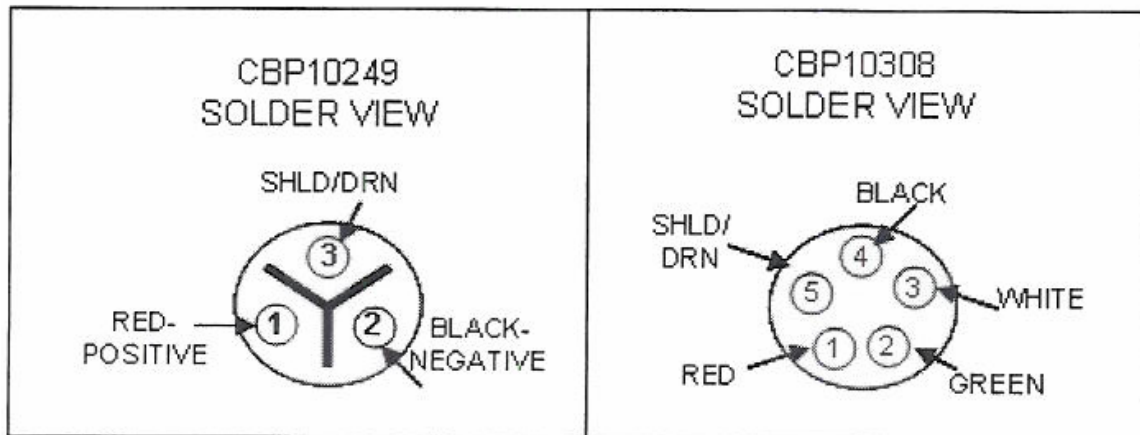
1. Start assembly with 8" inch length of CB103 cable (or similar cable).



3. If using CB103 cable (or other cable with 0.25 diameter), the through hole in component (3) must be drilled out to 0.28" inch diameter, to allow for epoxy fill. Slide the components of the connector over the cable in the order shown. (the rubber bushing (2) can be eliminated for the cables with 0.25" inch diameter)
4. **Soldering instructions for the CBP10249:**
  - a. Solder the red conductor to pin #1.
  - b. Solder the black conductor to pin #2.
  - c. Solder the shield drain to pin #3.

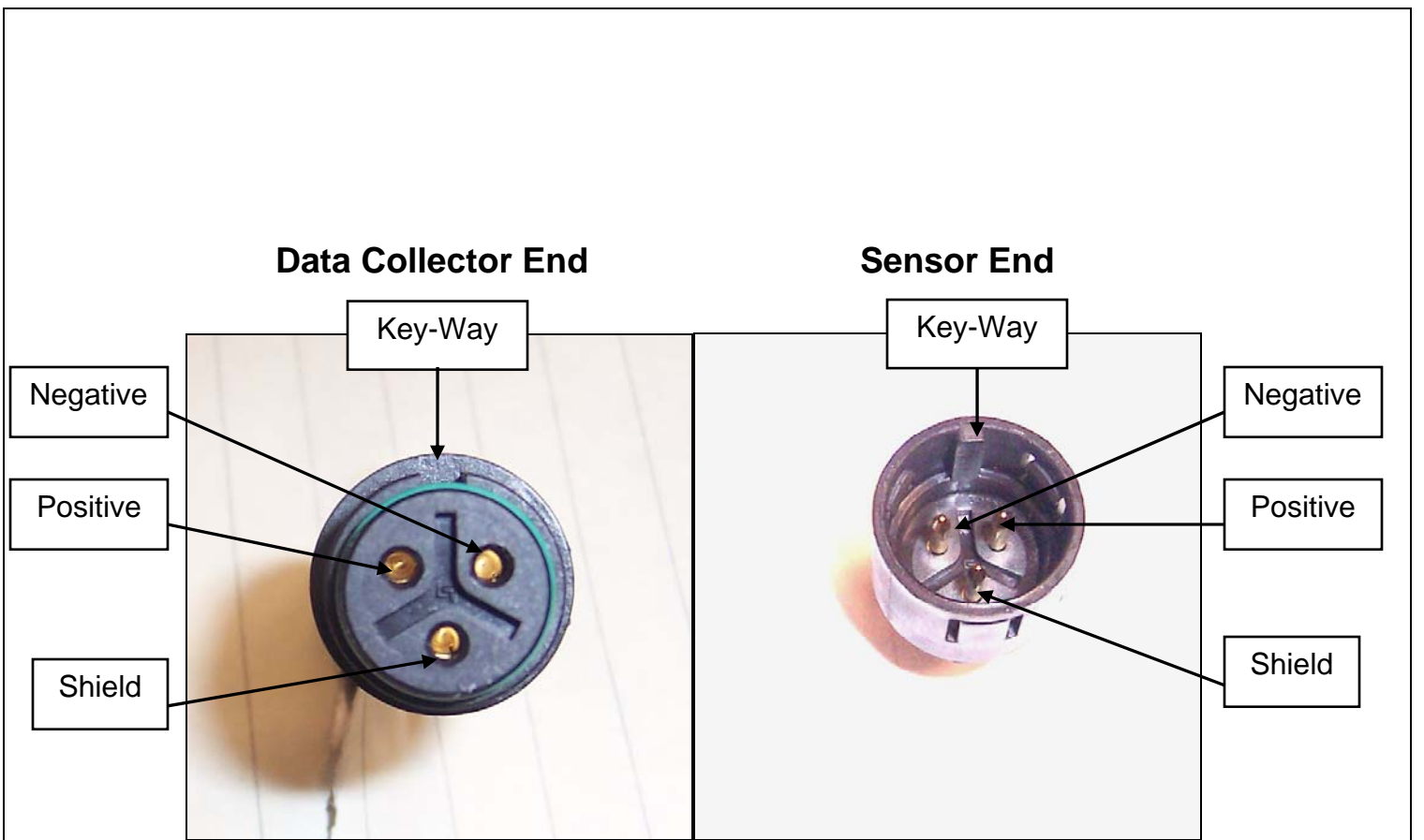
**Soldering instructions for the CBO10308:**

- a. Pin #1- RED.
- b. Pin #2- GREEN.
- c. Pin #3- WHITE.
- d. Pin #4- BLACK.
- e. Pin #5- SLD/DRN.



**Figure 4. Soldering Guide**

5. Assemble (3) and (4) now, and using supplied syringe (filled with epoxy) insert syringe into back shell component (3) and fill with epoxy, to the thread. Please use caution and refrain from over-filling back shell at this point.
6. Slide the first component (2 & 1) over the soldered conductors and thread onto the socket (1)
7. Slide the white component (3) onto the threaded part (2) and hold in place by threading the last component (4) over it. If using CB103 (or other cable with 0.25" diameter), omit rubber washer.
8. Slide the white component (3) onto the threaded part (2) and hold in place by threading the last component (4) over it. If using CB103 cable omit rubber washer.



*Figure 5. Test View Information*

## **Section IV Maintenance**

## ***General***

There are no customer replaceable parts. The product has been designed for trouble-free service under normal operating conditions. Should your instrument require repair within the warranty period, you may contact a CTC sales representative.

## ***Warranty***

If any CTC vibration analysis hardware product should ever fail, we will repair or replace it at no charge.

### **CONTACT INFORMATION:**

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