

NOTES:

UNLESS OTHERWISE SPECIFIED:

1. CAD: THIS ASSEMBLY WAS GENERATED FROM A CAD DATABASE. QUERY CAD DATABASE FOR BASIC DIMENSIONS. IF CONFLICT EXISTS BETWEEN THIS DOCUMENT AND ANY REFERENCED DOCUMENT, THIS DOCUMENT SHALL TAKE PRECEDENCE.

2. SCALE: THIS DRAWING IS NOT TO SCALE

3. DIMENSIONING: ALL DIMENSIONS ARE IN MM.

4. TOLERANCES: UNLESS OTHERWISE STATED, FEATURE SIZE AND POSITIONAL TOLERANCES ARE AS FOLLOWS:  
X ± 0.50 MM  
X.X ± 0.50 MM  
X.XX ± 0.50 MM  
ANGLES ± 2°

5. WORKSMANSHIP: WHILE PULL STRENGTH TEST IS NOT REQUIRED FROM BATCH TO BATCH, ALL CRIMPS SHALL BE COMPLIANT WITH MANUFACTURER'S SPECIFICATION FOR PULL STRENGTH.

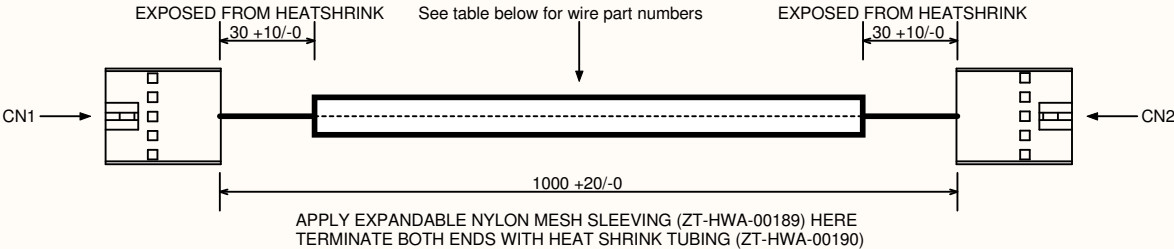
6. PACKAGING: VENDOR SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION AGAINST DAMAGE DURING SHIPPING AND HANDLING.

7. RoHS COMPLIANCE: THIS COMPONENT SHALL COMPLY WITH THE EU 2002/95/EC (RoHS) AND EU 2002/96/EC (WEEE) DIRECTIVES

8. CONTROLLED DRAWING: NO CHANGES TO THIS DRAWING ALLOWED WITHOUT PRIOR APPROVAL FROM Z-DESIGNS LLC OR OPENBEAM USA LLC.

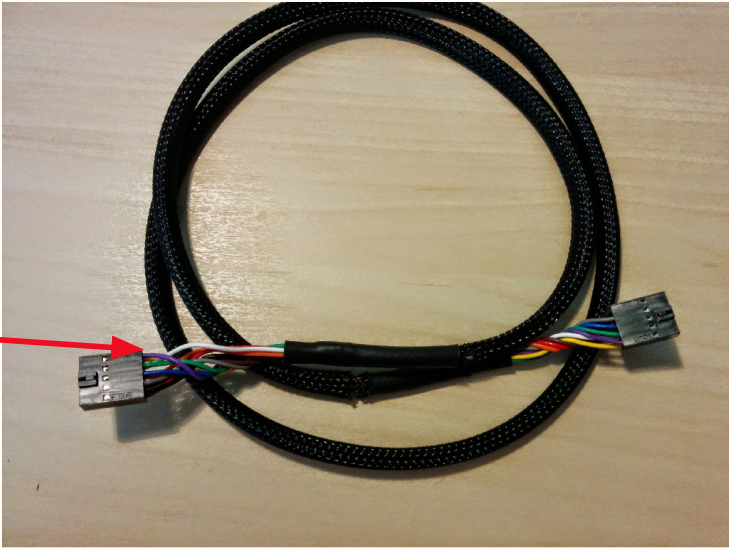
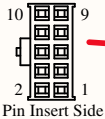
9. PART SUBSTITUTION: PART NUMBERS CALLED OUT IN THIS DRAWING MAY ONLY BE SUBSTITUTED WITH Z-DESIGNS/OPENBEAM ENGINEERING APPROVED EQUIVALENTS

| REVISION HISTORY |                         |           |             |
|------------------|-------------------------|-----------|-------------|
| REVISION         | DESCRIPTION OF CHANGE   | Date      | Approved By |
| 00               | INITIAL RELEASE         | 9/22/2014 | MIKEZ       |
| 01               | Added Wire Part Numbers | 10/5/2014 | MIKEZ       |

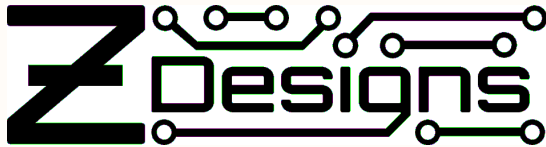


CN1 AND CN2: ZT-ECA-00115  
USE CRIMPS ZT-ECA-00108

| CONNECTION TABLE |        |        |              |             |
|------------------|--------|--------|--------------|-------------|
| CN1              | CN2    | COLOR  | PART NUMBER  | SIGNAL NAME |
| PIN 1            | PIN 1  | RED    | ZT-ECA-00127 | HOTEND+     |
| PIN 2            | PIN 2  | BLACK  | ZT-ECA-00128 | HOTEND-     |
| PIN 3            | PIN 3  | BROWN  | ZT-ECA-00131 | GND         |
| PIN 4            | PIN 4  | GREY   | ZT-ECA-00136 | BED PROBE   |
| PIN 5            | PIN 5  | ORANGE | ZT-ECA-00134 | FAN VCC     |
| PIN 6            | PIN 6  | BLUE   | ZT-ECA-00130 | GND         |
| PIN 7            | PIN 7  | WHITE  | ZT-ECA-00135 | FAN VCC     |
| PIN 8            | PIN 8  | GREEN  | ZT-ECA-00129 | FAN-        |
| PIN 9            | PIN 9  | YELLOW | ZT-ECA-00132 | THERMISTOR  |
| PIN 10           | PIN 10 | VIOLET | ZT-ECA-00133 | THERMISTOR  |



NOTE: PICTURE FOR REFERENCE ONLY



|  |  |                 |                      |
|--|--|-----------------|----------------------|
| Title: Cable, End Effector, Kossel / Mini Kossel |  |                 |                      |
| Document Number: ZT-DOC-00150                    |  | Revision: 01    | Sheet: 1 of 1        |
| Reference Assembly Number: ZT-ASY-00103          |  | Drawn By: MikeZ | www.z-designsusa.com |