

# prosense® Thermocouple, RTD, and Thermistor Connectors

## Overview

- Glass-filled high quality thermoplastic body with original thermocouple material pins and spring-loaded inserts
- Polarized pins
- Molded barriers prevent short circuit
- Captive central cover screw for easy assembly
- Easy wire connection pressure plate
- construction
- Stainless steel screws with combination head (Slotted and Phillips)
- 3-pin standard connectors have a third pin for ground or continuous shield, or for 3-wire RTDs

| Thermocouple, RTD, and Thermistor Connectors |          |        |         |             |                                   |                                 |            |                                                |                          |
|----------------------------------------------|----------|--------|---------|-------------|-----------------------------------|---------------------------------|------------|------------------------------------------------|--------------------------|
| Part Number                                  | Pcs/ Pkg | Wt(lb) | Price   | Sensor Type | Connector Type                    | Temperature Rating              | Body Color | Wire Size                                      | Wire Cable Clamp Bracket |
| <a href="#"><u>THMJ-SP</u></a>               | 1        | 0.5    | \$4.50  | J           | Standard round pin plug           | Max continuous<br>400°F (200°C) | Black      | 32 AWG (0.2 mm) to 14 AWG<br>maximum (2.0 mm)  | WCB-S                    |
| <a href="#"><u>THMJ-SJ</u></a>               | 1        | 0.5    | \$5.75  |             | Standard round pin jack           |                                 |            |                                                | —                        |
| <a href="#"><u>THMJ-SPJ</u></a>              | 1        | 0.5    | \$11.00 |             | Standard round direct mount jack  |                                 |            |                                                | —                        |
| <a href="#"><u>THMJ-MP</u></a>               | 1        | 0.5    | \$3.75  |             | Miniature flat pin plug           |                                 |            | 40 AWG (0.08 mm) to 20 AWG<br>maximum (0.8 mm) | WCB-M                    |
| <a href="#"><u>THMJ-MJ</u></a>               | 1        | 0.5    | \$4.25  |             | Miniature flat pin jack           |                                 |            |                                                | —                        |
| <a href="#"><u>THMJ-MPJ</u></a>              | 1        | 0.5    | \$8.25  |             | Miniature round direct mount jack |                                 |            |                                                | —                        |
| <a href="#"><u>THMK-SP</u></a>               | 1        | 0.5    | \$4.50  | K           | Standard round pin plug           |                                 | Yellow     | 32 AWG (0.2 mm) to 14 AWG<br>maximum (2.0 mm)  | WCB-S                    |
| <a href="#"><u>THMK-SJ</u></a>               | 1        | 0.5    | \$5.50  |             | Standard round pin jack           |                                 |            |                                                | —                        |
| <a href="#"><u>THMK-SPJ</u></a>              | 1        | 0.5    | \$10.50 |             | Standard round direct mount jack  |                                 |            |                                                | —                        |
| <a href="#"><u>THMK-MP</u></a>               | 1        | 0.5    | \$4.00  |             | Miniature flat pin plug           |                                 |            | 40 AWG (0.08 mm) to 20 AWG<br>maximum (0.8 mm) | WCB-M                    |
| <a href="#"><u>THMK-MJ</u></a>               | 1        | 0.5    | \$4.25  |             | Miniature flat pin jack           |                                 |            |                                                | —                        |
| <a href="#"><u>THMK-MPJ</u></a>              | 1        | 0.5    | \$9.00  |             | Miniature round direct mount jack |                                 |            |                                                | —                        |
| <a href="#"><u>THMK-HSP</u></a>              | 1        | 0.5    | \$14.00 |             | Standard hi-temp round pin plug   | Max continuous<br>662°F (350°C) | Brown      | 32 AWG (0.2 mm) to 14 AWG<br>maximum (2.0 mm)  | WCB-S                    |
| <a href="#"><u>THMK-HSJ</u></a>              | 1        | 0.5    | \$16.50 |             | Standard hi-temp round pin jack   |                                 |            |                                                |                          |
| <a href="#"><u>THMT-SP</u></a>               | 1        | 0.5    | \$4.75  | T           | Standard round pin plug           | Max continuous<br>400°F (200°C) | Blue       | 32 AWG (0.2 mm) to 14 AWG<br>maximum (2.0 mm)  | WCB-S                    |
| <a href="#"><u>THMT-SJ</u></a>               | 1        | 0.5    | \$6.25  |             | Standard round pin jack           |                                 |            |                                                |                          |
| <a href="#"><u>THMT-SPJ</u></a>              | 1        | 0.5    | \$10.50 |             | Standard round direct mount jack  |                                 |            |                                                |                          |
| <a href="#"><u>THMT-MP</u></a>               | 1        | 0.5    | \$4.00  |             | Miniature flat pin plug           |                                 |            | 40 AWG (0.08 mm) to 20 AWG<br>maximum (0.8 mm) | WCB-M                    |
| <a href="#"><u>THMT-MJ</u></a>               | 1        | 0.5    | \$4.50  |             | Miniature flat pin jack           |                                 |            |                                                |                          |
| <a href="#"><u>THMT-MPJ</u></a>              | 1        | 0.5    | \$9.75  |             | Miniature round direct mount jack |                                 |            |                                                |                          |
| <a href="#"><u>RTD-SP</u></a>                | 1        | 0.5    | \$9.25  | RTD         | Standard round pin plug           |                                 | White      | 32 AWG (0.2 mm) to 14 AWG maximum (2.0 mm)     | WCB-S                    |
| <a href="#"><u>RTD-SJ</u></a>                | 1        | 0.5    | \$12.00 |             | Standard round pin jack           |                                 |            |                                                |                          |
| <a href="#"><u>NTC-SJ</u></a>                | 1        | 0.5    | \$6.75  | Thermistor  | Standard round pin jack           |                                 |            |                                                |                          |

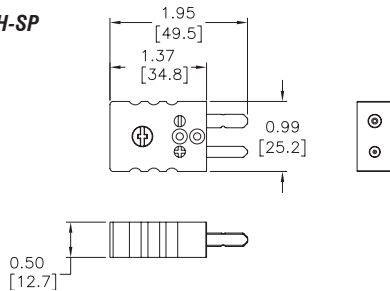
[THMT-SP](#)[THMT-SJ](#)[THMK-SP](#)[THMK-SJ](#)[THMK-MP](#)[THMJ-MJ](#)[THMT-SPJ](#)[THMT-MPJ](#)[RTD-SP](#)[RTD-SJ](#)[THMK-HSP](#)[THMK-HSJ](#)[NTC-SJ](#)

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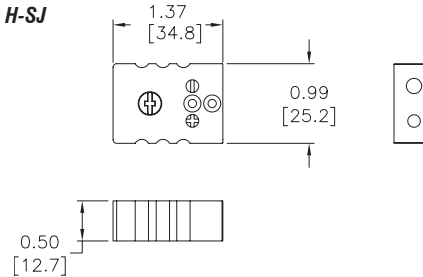
## Dimensions

inches [mm]

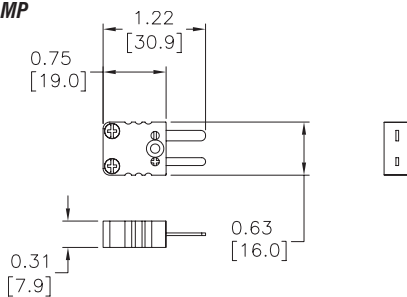
### THMJ, K, T, & H-SP



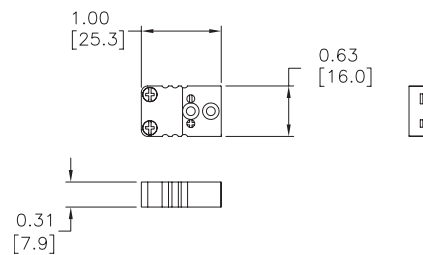
### THMJ, K, T, & H-SJ



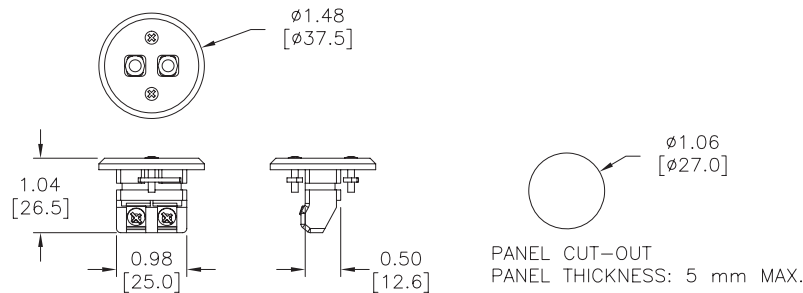
### THMJ, K, & T-MP



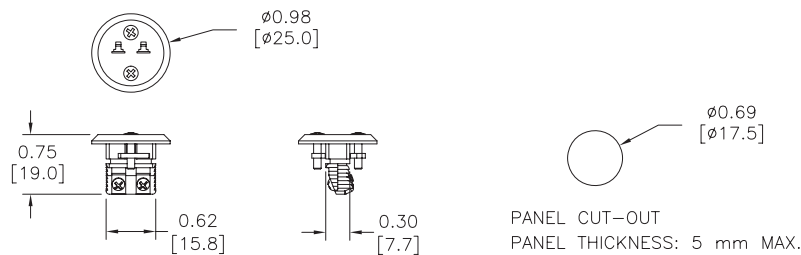
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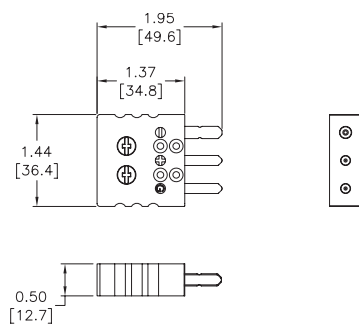
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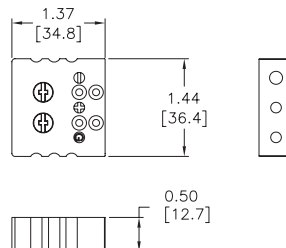
### THMJ, K, & T-MPJ



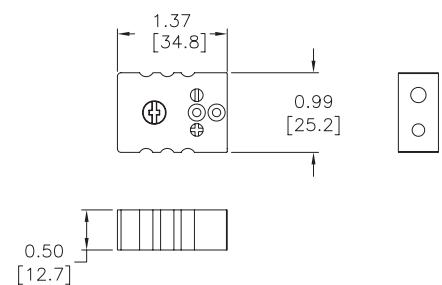
### RTD-SP



### RTD-SJ



### NTC-SJ





# Thermocouple and RTD Connectors

## WCB-S



## WCB-M



## WCB-S Application



## WCB-M Application

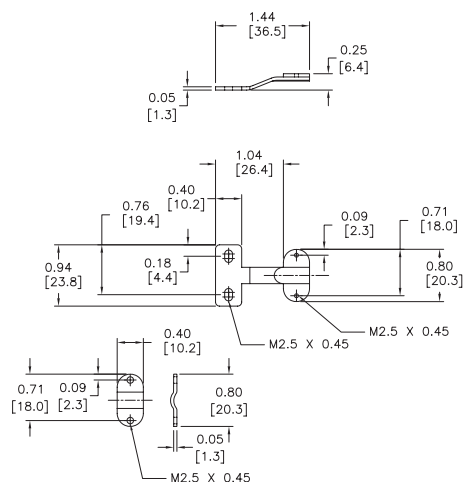


| Thermocouple and RTD Connectors Accessories |          |        |         |                                                                                   |
|---------------------------------------------|----------|--------|---------|-----------------------------------------------------------------------------------|
| Part Number                                 | Pcs/ Pkg | Wt(lb) | Price   | Description                                                                       |
| <u>WCB-S</u>                                | 10       | 0.5    | \$12.00 | Wire / cable clamp bracket for use with standard thermocouple and RTD connectors. |
| <u>WCB-M</u>                                | 10       | 0.5    | \$12.00 | Wire / cable clamp bracket for use with miniature thermocouple connectors.        |

## Dimensions

inches [mm]

### WCB-S



### WCB-M

