

Plugs and Jacks

Plugs and Jacks General Purpose

Introduction

Quick Disconnect

Quick disconnect plugs and jacks are molded, glass filled plastic with the attaching parts made of material to match a particular thermocouple type. Made to exacting specifications, these devices provide rapid connection/disconnection between thermocouple and lead wire with negligible contact resistance for transmission of the lowest millivoltages. Frequent make or break will not impair the accuracy of the mating parts. They are ideally suited for laboratory or industrial uses where the ambient temperature does not exceed 450°F. Minimum size: 33 AWG; maximum size: 14 AWG.

Ordering Information

Model No. H D - 0 0 0 0 - 0 0 0 - 0 - 0 0
Field No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Schedule: S6

Fields 1, 2, 3, 4. BASE MODEL

- HD20 - Quick disconnect plug (solid machined pin)
- HD33 - Quick disconnect plug (hollow pin, Type J only)
- HD21 - Quick disconnect jack
- HD22 - Panel jack

Fields 5, 6, 7, 8. RESERVED

Field 9. THERMOCOUPLE TYPE

Fields 1, 2, 3, 4: HD33

HD20

HD21

HD22

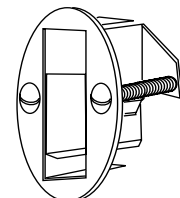
- C - Type C (red)
- E - Type E (purple)
- J - Type J (black)
- K - Type K (yellow)
- N - Type N
- R - Type or Type S (green)
- T - Type T (blue)
- U - Uncompensated (white)

Fields 10 through 15. RESERVED

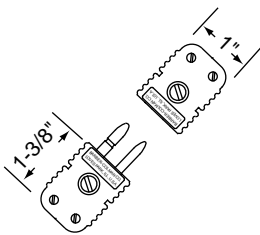
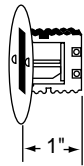
Single Jack Panel Mounting Bracket. 1-1/4" hole cutout.

Schedule: S6

A-11903-000-0-00



1-1/4" diameter
cutout



Plugs and Jacks

Plugs and Jacks High Temperature, and Three Pin

Introduction

Quick disconnect plugs and jacks are available in both two pin and three pin versions for thermocouples and RTDs.

High Temperature Two Pin

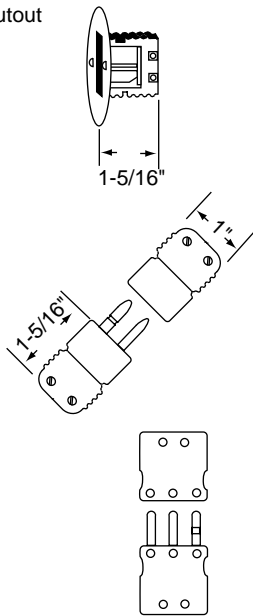
These high temperature jacks are compatible with all standard size industrial plugs, jacks and multiple jack panels. Negative pin and insert are larger for polarization. Rated to 800°F continuously, with short term rating to 1000°F – except thermocouple type U (uncompensated) is 400° maximum. The plug and jack bodies are glass filled silicone resin. The plug weighs one ounce; jack one-half ounce; and panel jack, one ounce.

Three Pin

Three pin connector used for three wire thermocouple or RTD. The third pin is copper for shield connection, except all pins are copper on Type U plug. Weight: 2 ounces.

Ordering Information

1-1/4" diameter
cutout



Model No. H D - **0 0 0 0** - **0 0 0 - 0 - 0 0**
Field No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Schedule: S6

Fields 1, 2, 3, 4. BASE MODEL

Two Pin High Temperature

HD23 - Quick disconnect plug

HD24 - Quick disconnect jack

HD25 - Panel jack

Three Pin

HD29 - Quick disconnect plug

HD30 - Quick disconnect jack

Fields 5, 6, 7, 8. RESERVED

Field 9. THERMOCOUPLE TYPE

C - Type C (Two pin high temperature only)

E - Type E

J - Type J

K - Type K

R - Type R or Type S

T - Type T

U - Uncompensated

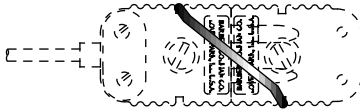
Fields 10 through 15. RESERVED

Plugs and Jacks

Plugs and Jacks Accessories

Schedule: S6

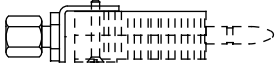
Connector Lock



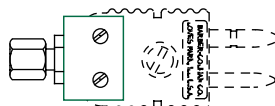
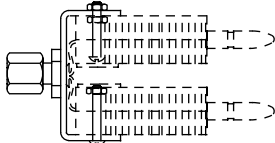
To prevent accidental separation of plug and jack. Two can be used for additional protection. Material is nickel plated piano wire. Fits standard size plug or jack.

25-00170-100-0-00

Tube Adapters

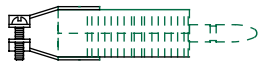


Attaches to either plug or jack with screws provided. Tube adapter makes rigid connection with tube – prevents twisting wires. Material is nickel plated steel. Each weighs one-half ounce.



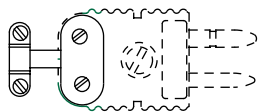
A-10911-000-0-00	1/25" Tube	Single Plug or Jack
A-07389-000-0-00	1/16" Tube	Single Plug or Jack
A-07120-000-0-00	1/8" Tube	Single Plug or Jack
A-07121-000-0-00	3/16" Tube	Single Plug or Jack
A-07390-000-0-00	1/4" Tube	Single Plug or Jack
A-10872-000-0-00	1/16" Tube	Dual Plug or Jack
A-10485-000-0-00	1/8" Tube	Dual Plug or Jack
A-10486-000-0-00	3/16" Tube	Dual Plug or Jack
A-10873-000-0-00	1/4" Tube	Dual Plug or Jack

Single Plug Cable Clamp



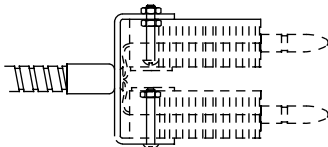
Attaches to either plug or jack with screws provided. Nickel plated steel. Weighs one-half ounce.

A-07124-000-0-00

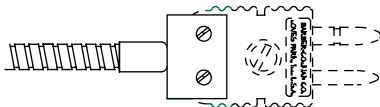


Dual Extension Bracket

Weight one-half ounce.



A-10380-000-0-00



Plugs and Jacks

Plugs and Jacks Miniature

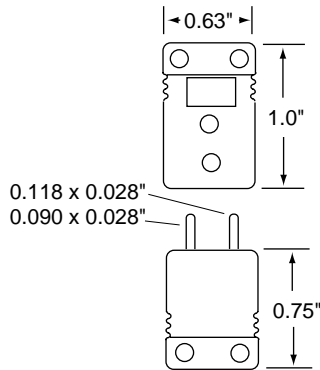
Introduction

These plugs and jacks can be used where space is at a premium. Temperature not to exceed 300°F. Each item weighs one-half ounce.

Ordering Information

Model No. H D - 0 0 0 0 - 0 0 0 - 0 - 0 0
 Field No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Schedule: S6



Fields 3, 4. BASE MODEL

- HD26 - Quick disconnect plug
- HD27 - Quick disconnect jack
- HD28 - Panel jack

Fields 5, 6, 7, 8. RESERVED

Field 9. THERMOCOUPLE TYPE

- C - Type C
- E - Type E
- J - Type J
- K - Type K
- R - Type R or Type S
- T - Type T
- U - Uncompensated

Fields 10 through 15. RESERVED

Miniature Jack Panel Adapter Clip

Schedule: S6

11-03661-000-0-00 \$4.50

