#### cannon





## Combo-D with High Efficiency Power Contacts: Smaller. Lighter. More Current Capacity.

ITT Cannon's innovative Combo-D with High Efficiency Power (HEP) Contacts feature canted coil spring technology that increases electrical current carrying capacity, improves efficiency and reduces costs.

Combo-D with HEP Contacts is the latest addition to the ITT Cannon Combination D-Subminiature product line. Engineered for use in a variety of markets and applications—from ordnance and military transports to shipboard radar and satellite systems—these versatile interconnect solutions help transmit more power in an increasingly connected world.

#### The Cannon Difference

- One of the first high power contacts with canted coil spring technology
- Offers up to 75% increase in electrical current carrying capacity over conventional high-power contacts
- Among the smallest, high performance designs available
- Offers exceptional versatility and use in a wide range of markets & applications

HEP Contacts Standard Contacts

#### **Key Features**

- Lower mating force enables easy, quick and convenient component connection and disconnection
- Innovative canted coil spring technology increases the 40A electrical current rating in a standard size 8 contact to a range of 65A to 70A, representing as much as a 75% increase
- Available in crimp, solder, PCB (straight, right angle) terminations
- HEP Contacts can be used in any Cannon brand or competitors' Combo-D connector
- Industry standard size 8 cavity can be retrofitted
- Must be used as a mated pair

# 45.00 40.00 35.00 20.00 10.00 10.00 20.00 45.00 0.00 10.00 20.00 40.00 5.00 0.00 10.00 0.00 10.00 0.00 10.00 0.

#### Markets & Applications









→ Group 2

Military Vehicles

Satellite Systems

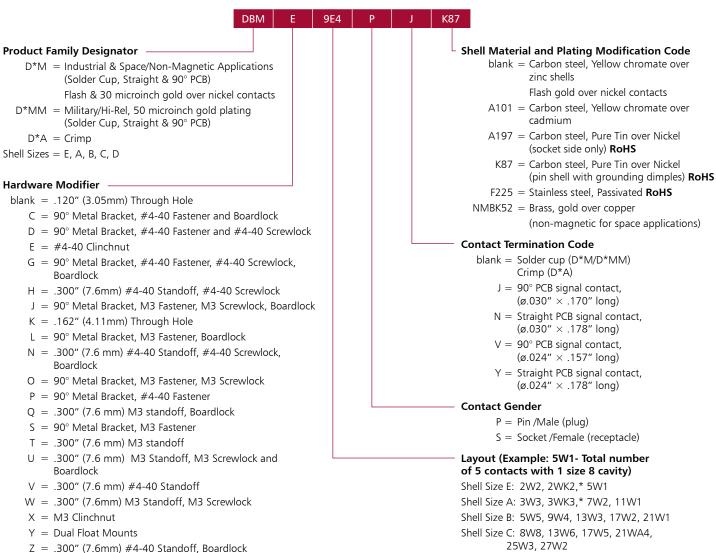
**Shipboard Systems** 

**Shipboard Radar** 

### Combo-D with HEP Contacts

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#### How to Order | Part Number Configurator







25W3, 27W2

Shell Size D: 24W7, 36W4, 43W2, 47W1

\*K = Indicates keyed layout where one cavity is opposite gender

W = Empty size 8 cavities

C = 75 Ohm Coax installed (straight or  $90^{\circ}$  PCB)

X = 50 Ohm Coax installed (straight or 90° PCB)

H = High power installed (straight or 90° PCB)

P = High power installed (Euro, 90° PCB only)

V = High voltage installed (available in straight PC only)

G = Guide pin or guide socket installed

R = Mini High Power 90° installed

E = HEP contact installed or supplied loose

#### Why ITT

ITT is a focused, multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions. ITT Cannon is a leading global manufacturer of connector products serving international customers in the aerospace and defense, industrial and medical end markets. We design and engineer a variety of interconnect solutions that make it possible to transfer data, signal and power in an increasingly connected world.

#### Connect with your ITT Cannon representative today or visit www.ittcannon.com

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