

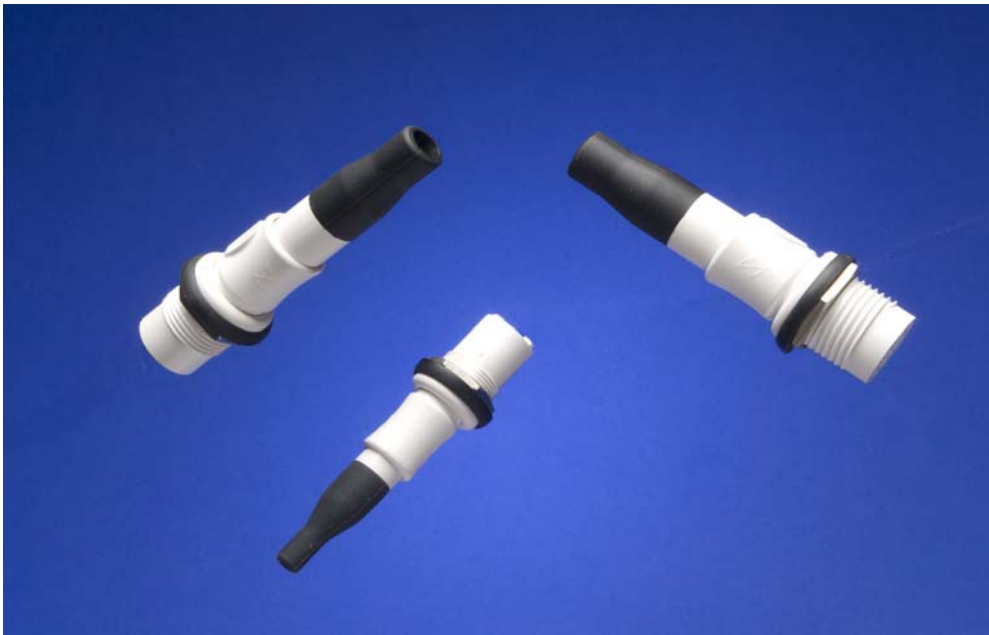
Reliable Connectors. Dependable Solutions.



Product Review

HyperGrip™ Patent pending

Meets Demanding Medical Industry Requirements



Available with 12, 19, 33 and 80 Pin Positions

Customer Keyable

Sealing and Shielding Options

Color Coding with Choice of 8 Colors

Meets Medical Industry Requirements

Hypertac® Contact Technology

Available with Custom Cable Assemblies

HyperGrip Series **High Reliability Medical Connectors**

HyperGrip circular connectors are available with 12, 19, 33 or 80 pin positions and include a user-configurable keying system. The keying system allows customers to build connectors with six different keying options from a set of common components. This allows for orders with standard pricing and no lead time, resulting in minimal inventory. Competitive products require purchasing as many finished connectors as keying configurations needed, causing long lead times, high cost orders with long lead times resulting in high inventory levels.

HyperGrip connectors are color-coded and range from 1 inch to 2 inches in diameter. The color-coding, along with the keying system, make

recognition simple and incorrect mating impossible, which is especially important for medical instrumentation applications where multiple connector interfaces are required. The sealing option offers IP67 protection when mated, to prevent electrical shorts. The shielding feature supplies EMI/RFI protection from the shielded cable through to the device.

HyperGrip offers the unparalleled performance of the Hypertac contact technology, which provides high cycle life, low power consumption, low insertion force, reliability under harsh conditions, maximum contact performance and excellent wiping action.

Select sizes are also available with a cable mount receptacle and custom cable assemblies made to your specifications. Custom inserts can also be designed to meet your needs.

HyperGrip™ Patent Pending

High Reliability Medical Connectors

Features and Benefits

- Push/pull latching design – simple, one-hand quick disconnect
- Sealing to IP67 – (temp. immersion) when mated, may be submerged for up to 1 min.
- Customer keyable – easily keyed in one of six different standard keying positions to prevent mismatching, which could result in catastrophic consequences
- Shielding option – EMI/RFI protection (HG2 only)
- Aesthetic design – softly shaped and easy to clean
- Color coded – available in 8 colors to provide visual indication for efficient mating
- Integrated or overmoldable strain reliefs – prevents cable wire fatigue due to bending
- Front or rear panel mount receptacle design – option to mount the harness assembly from inside or outside the device enclosure
- Recessed contact tails - protect wire terminations
- Fingerproof to UL544 & IEC60601 (HG2 Only)
- Reverse gender contacts available
- Cable to cable and cable to panel configurations
- Custom insulators designed to be interchangeable in standard housings
- Custom designs and cable assemblies available

Materials:

- High-end engineering plastic components
 - Sterilizable – autoclave, ETO, gamma, cold chemical
 - Flammability rated to UL94V-0 on thermoplastic components
 - High temperature – rated to 185°C (for sterilization)

Contacts:

- Hypertac contacts – up to 100,000 mating cycles
- 12 (HG2), 19 (HG3), 33 (HG4) or 80 (HG6) gold plated Hypertac contacts, rated 1A each
- Crimp, solder cup and PC tail contact terminations



	HG2	HG3	HG4	HG6
A	Ø1.014 (25.76)	Ø1.172 (29.77)	Ø1.250 (31.77)	Ø2.026 (51.45)
B	1.220 (30.98)	1.137 (28.87)	1.137 (28.87)	1.452 (36.87)
C	Ø.866 (22.00)	Ø1.007 (25.59)	Ø1.090 (27.80)	Ø1.789 (45.45)
D	.272 (6.91)	.272 (6.91)	.272 (6.91)	.669 (17.00)
E	1.637 (41.59)	1.637 (41.59)	1.637 (41.59)	2.224 (56.50)
F	3.265 (82.93)	3.500 (88.88)	3.500 (88.88)	4.950 (125.72)
G	Ø.502 (12.75)	Ø.650 (16.50)	Ø.710 (18.15)	Ø1.452 (36.88)
H	Ø.656 (6.66)	Ø.800 (20.36)	Ø.880 (22.47)	Ø1.467 (37.00)
J	2.700 (68.56)	2.890 (73.47)	2.890 (73.47)	4.371 (111.02)
K	3.724 (94.60)	3.880 (98.45)	3.880 (98.45)	5.265 (133.72)

*Dimensions in inches (mm)

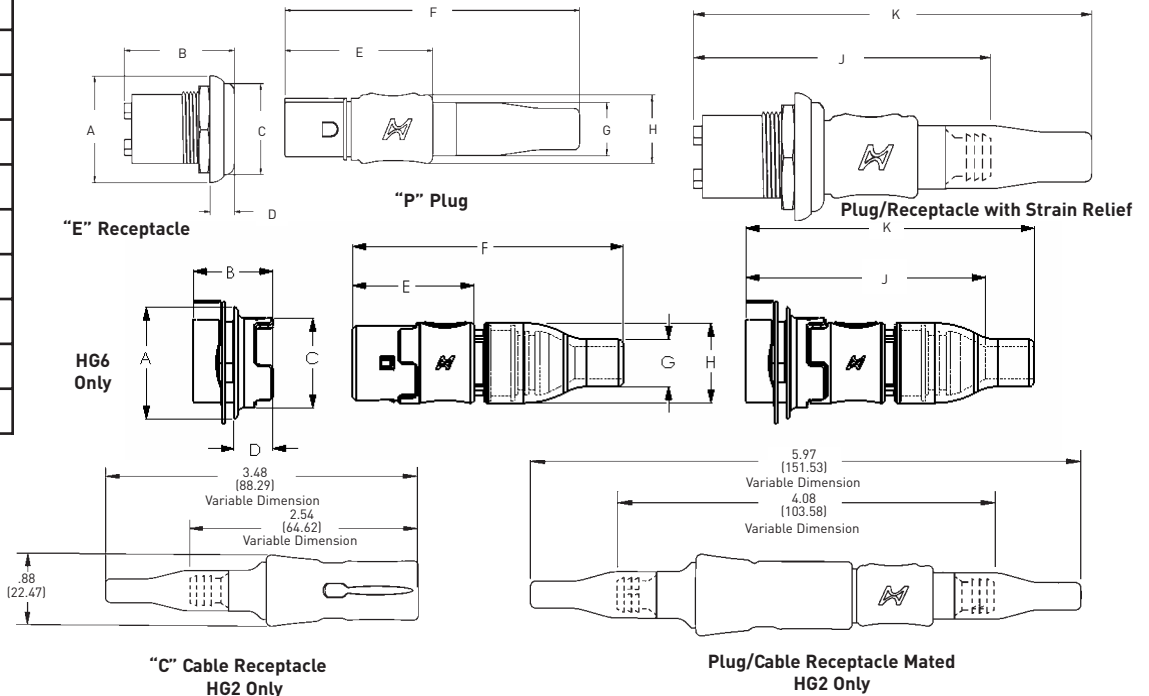


Hypertronics Corporation

16 Brent Drive
Hudson, MA 01749-2978
Toll Free: 1-800-225-9228
Phone: +1 978-568-0451
Fax: +1 978-568-0680

www.hypertronics.com

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