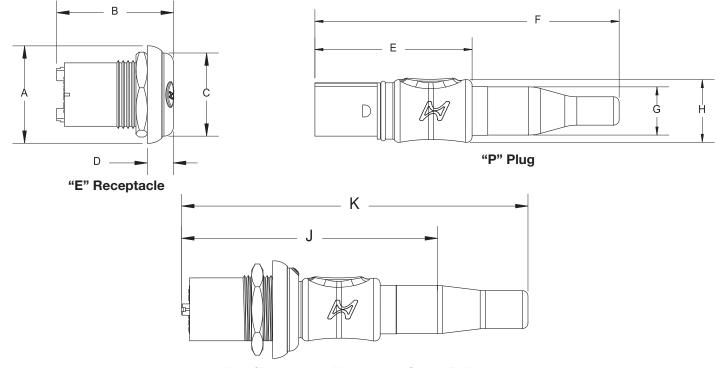




	HG2	HG3	HG4
Α	Ø1.014	Ø1.172	Ø1.250
	[25.76]	[29.77]	[31.77]
В	1.220	1.137	1.137
	[30.98]	[28.87]	[28.87]
С	Ø0.866	Ø1.007	Ø1.090
	[22.00]	[25.59]	[27.80]
D	0.272	0.272	0.272
	[6.91]	[6.91]	[6.91]
E	1.637	1.637	1.637
	[41.59]	[41.59]	[41.59]
F	3.265	3.500	3.500
	[82.93]	[88.88]	[88.88]
G	Ø0.502	Ø0.650	Ø0.710
	[12.75]	[16.50]	[18.15]
Н	Ø0.656	Ø0.800	Ø0.880
	[16.66]	[20.36]	[22.47]
J	2.700	2.890	2.890
	[68.56]	[73.47]	[73.47]
к	3.724	3.880	3.880
	[94.60]	[98.45]	[98.45]

HyperGrip® - Push/Pull Plastic Circular Connectors

- For medical and other high reliability applications
- Customer-keyable (6 positions)
- 12 (HG2), 19 (HG3), 33 (HG4), or 80 (HG6) contact positions
- Other contact configurations available upon request
- 1 Amp per contact
- Color coding
- Overmoldable plug design
- Front or rear panel mount receptacle design
- High-end engineering plastic components meet medical sterilizing and cleaning requirements
- Crimp and solder cup contact terminations available (printed circuit tails available on panel mount receptacle)
- Sealing option: IP67 (temporary immersion) when mated
- Meets fingerproofing requirements of UL544 and IEC60601

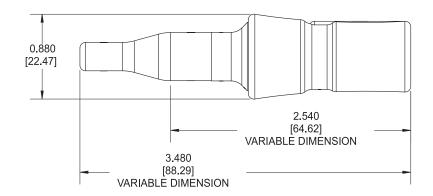


Plug/Receptacle Mated with Strain Relief

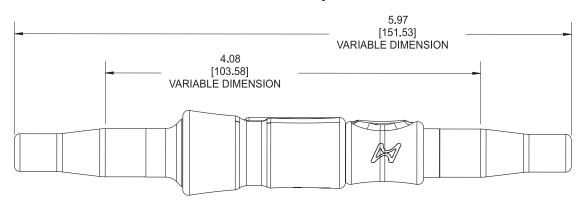
Dimensions are in inches [mm]

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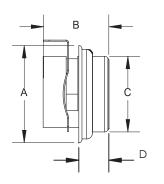


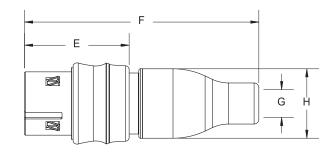


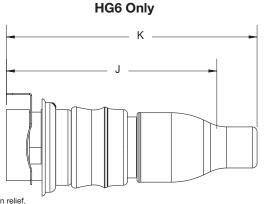
"C" Cable Receptacle HG2 Only



Plug/Cable Receptacle Mated HG2 Only







	HG6	
Α	Ø2.026 [51.45]	
В	1.452 [36.87]	
С	Ø1.789 [45.45]	
D	0.669 [17.00]	
E	2.224 [56.50]	
F	4.950 [125.72]	
G	Ø1.452 [36.88]	
н	Ø1.467 [37.00]	
J	4.371 [111.02]	
К	5.265 [133.72]	

NOTE:

HG6 drawings are reduced to 50 percent and show optional strain relief.

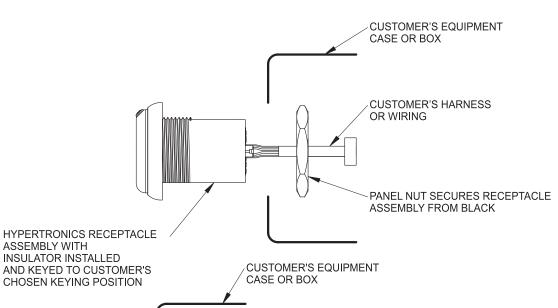
Dimensions are in inches [mm]

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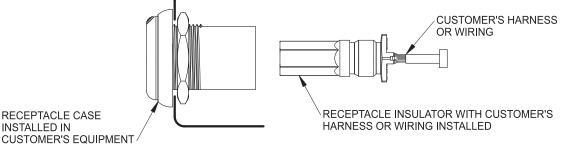


General Specifications - HyperGrip		
Contact Diameter	0.016 [0.40]	
Current Rating	1 Amp	
Contact Resistance	< 8 milliohms	
Contact Extraction Force Each	0.5 – 1.6 oz.	
Contact Life Cycles	Up to 100,000	
Plug Cycle Life	Up to 20,000	
Breakdown Voltage Between Contacts	> 1000V	
Dielectric Withstanding Voltage	> 750V	
Contact Material and Plating	Sockets: Beryllium copper wires and brass body components 50µin gold over nickel on wires, gold flash over nickel on termination Pins: Brass 50µin gold over nickel	
Insulation Resistance	> 5 x 10 ⁴ megohms at 500 VDC	
Temperature Rating Polyetherimide, LCP, Silicone	-40° C to 125° C Up to 185° C processing	
Sterilization	Steam autoclave, Gamma, ETO	

Front Mounting Installation



Rear Mounting Installation

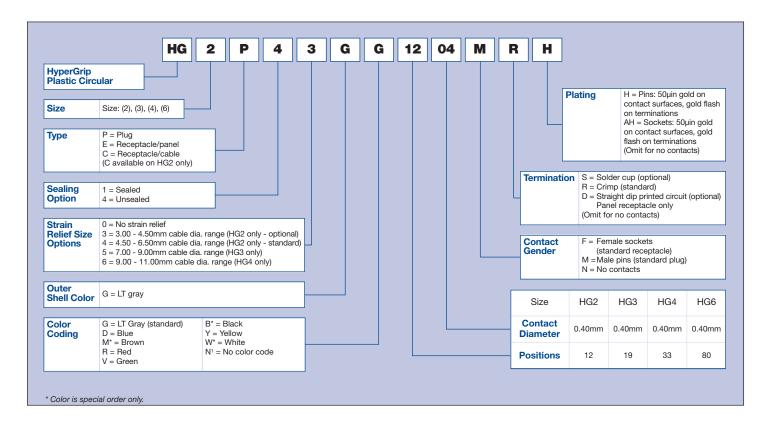


Dimensions are in inches [mm]

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Ordering Information



Available Contacts	Wire Gauge (AWG)			
Female Receptacle - Standard				
Crimp Socket (standard) Solder Cup Socket (optional) Printed Circuit Terminal Socket (optional)	26 – 28 26 Max. N/A			
Male Plug - Standard				
Crimp Pin (standard) Solder Cup Pin (optional)	26 – 28 26 Max.			
Male Receptacle - Special Order Only				
Crimp Pin Solder Cup Pin Printed Circuit Terminal Pin	26 – 28 26 Max. N/A			
Female Plug - Special Order Only				
Crimp Pin Solder Cup Pin	26 – 28 26 Max.			

Accessories	Part Numbers
Crimp Tool Positioner Insertion Tool Receptacle Insulator Extraction Tool	AFM8 or M22520/2-01 T2030 T1916 T2057 (HG2) T2085-20 (HG3) T2085-34 (HG4) T2085-85 (HG6)

NOTE:

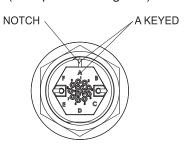
If N applies: Plug and cable receptacle - specify no strain relief.
 Panel receptacle - specify unsealed (no panel color code).



Keying Position A

(Receptacle Wiring End)

HG₂

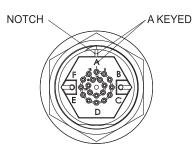


Keying Position B

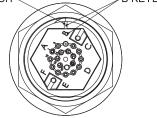
(Receptacle Wiring End)

NOTCH B KEYED

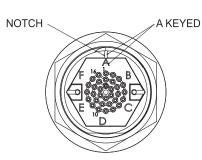
HG₃



NOTCH B KEYED



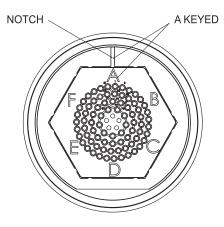
HG4



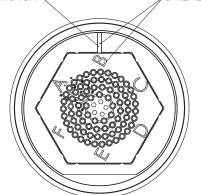
NOTCH B KEYED



HG6



NOTCH B KEYED



NOTE:

6 different keying positions possible - A through F.

Dimensions are in inches [mm]

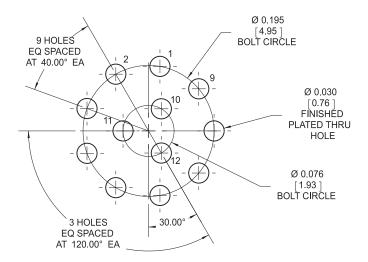
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HG2 Panel Receptacles

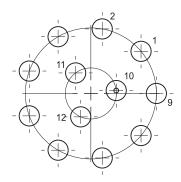
12 Position Printed Circuit Board Cutout

"A" Key (D Termination)



12 Position Printed Circuit Board Cutout

"B" Key (D Termination)

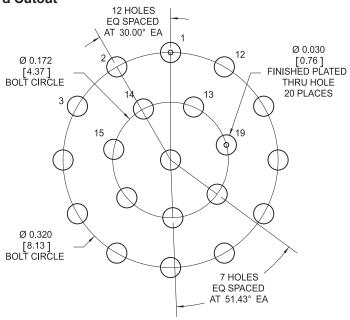




HG3 Panel Receptacles

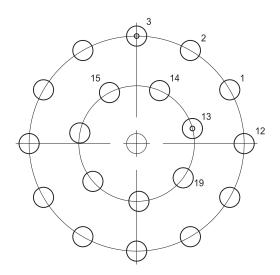
19 Position Printed Circuit Board Cutout





19 Position Printed Circuit Board Cutout

"B" Key (D Termination)

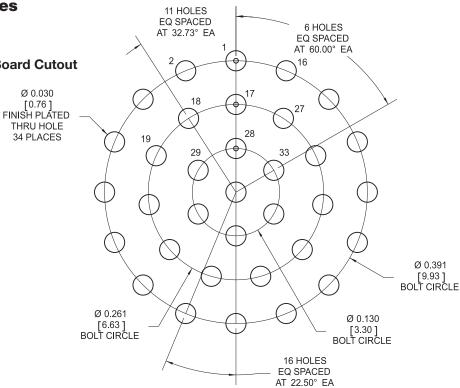




HG4 Panel Receptacles

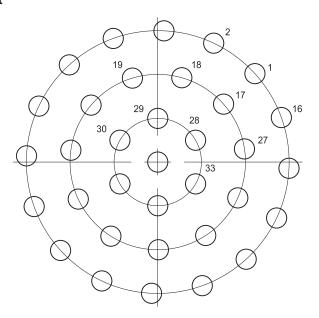
33 Position Printed Circuit Board Cutout

"A" Key (D Termination)



33 Position Printed Circuit Board Cutout

"B" Key (D Termination)

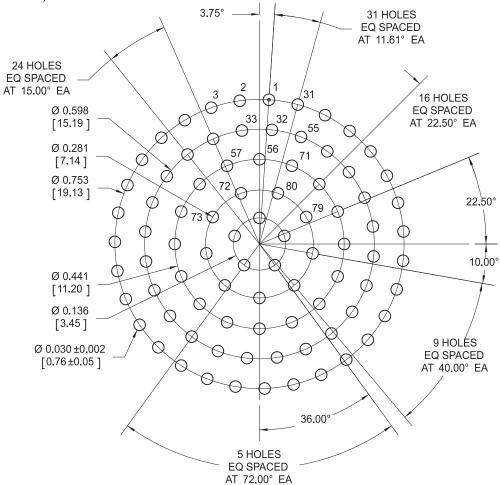




HG6 Panel Receptacles

80 Position Printed Circuit Board Cutout

"A" Key (D Termination)



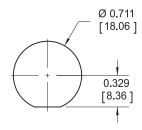
Dimensions are in inches [mm]

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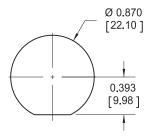


Panel Cutouts

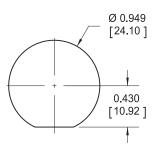
HG2



HG3



HG4



HG6

