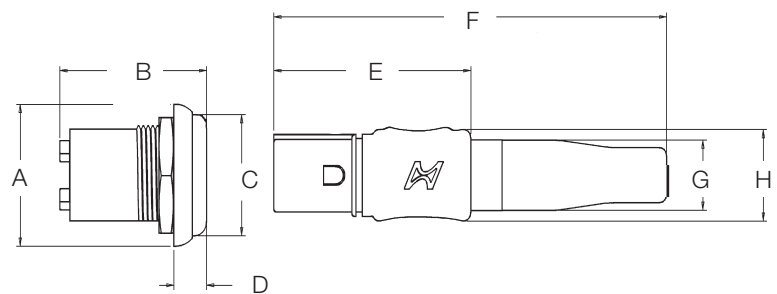




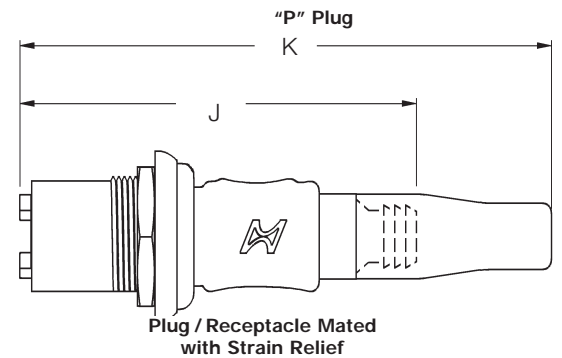
HyperGrip™ - PUSH/PULL PLASTIC CIRCULAR

- For medical and other high reliability applications
- Customer-keyable (6 positions)
- 12 (HG2), 19 (HG3), 33 (HG4), or 80 (HG6) contacts
- Other contact configurations on request
- 1 amp per contact
- Color coding (8 different colors)
- 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 termination available (PC tails available on panel mount receptacle)
- Sealing option: IP67 (temporary immersion) when mated
- Meets fingerproofing requirements of UL544 and IEC60601 (HG2 Only)

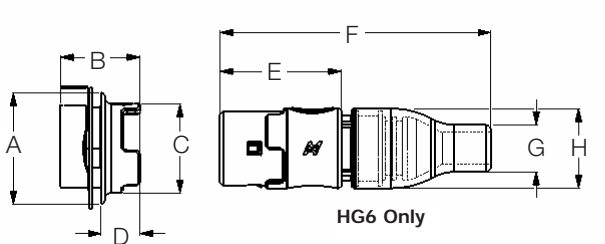
	HG2	HG3	HG4	HG6
A	Ø1.014 (25.76)	Ø1.172 (29.77)	Ø1.250 (31.77)	Ø2.026 (51.45)
B	1.220 (30.98)	1.137 (28.87)	1.137 (28.87)	1.452 (36.87)
C	Ø0.866 (22.00)	Ø1.007 (25.59)	Ø1.090 (27.80)	Ø1.789 (45.45)
D	.272 (6.91)	.272 (6.91)	.272 (6.91)	.669 (17.00)
E	1.637 (41.59)	1.637 (41.59)	1.637 (41.59)	2.224 (56.50)
F	3.265 (82.93)	3.500 (88.88)	3.500 (88.88)	4.950 (125.72)
G	Ø0.502 (12.75)	Ø0.650 (16.50)	Ø0.710 (18.15)	Ø1.452 (36.88)
H	Ø0.656 (16.66)	Ø0.800 (20.36)	Ø0.880 (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)



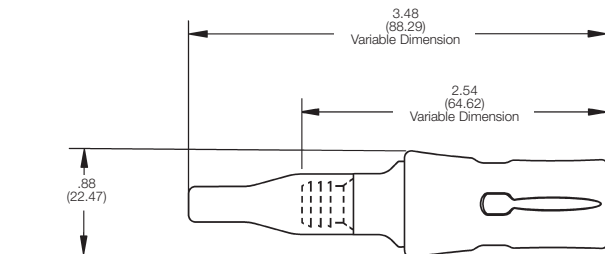
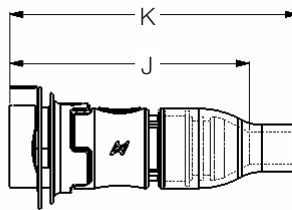
"E" Receptacle



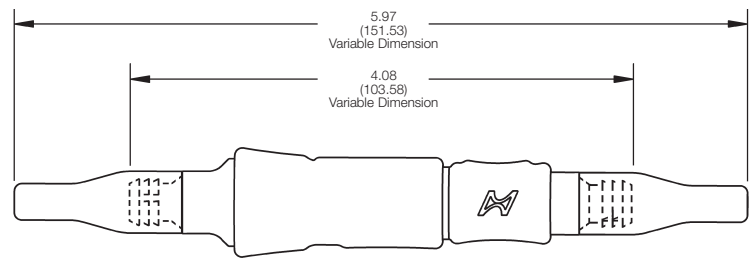
"P" Plug



HG6 Only



"C" Cable Receptacle
HG2 Only

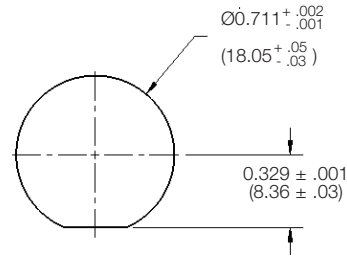


Plug/Cable Receptacle Mated
HG2 Only

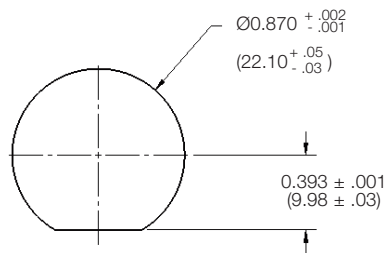
Notes
Dimensions in inches (mm)

Panel Cutouts

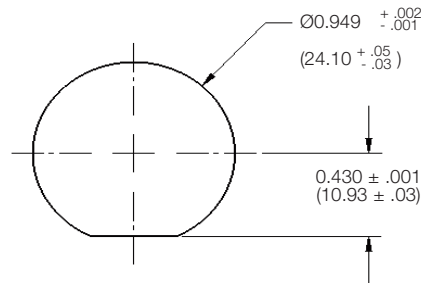
HG2



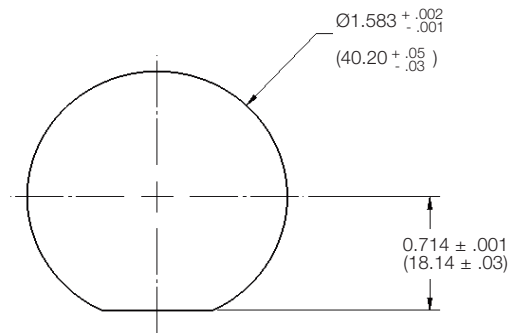
HG3



HG4



HG6

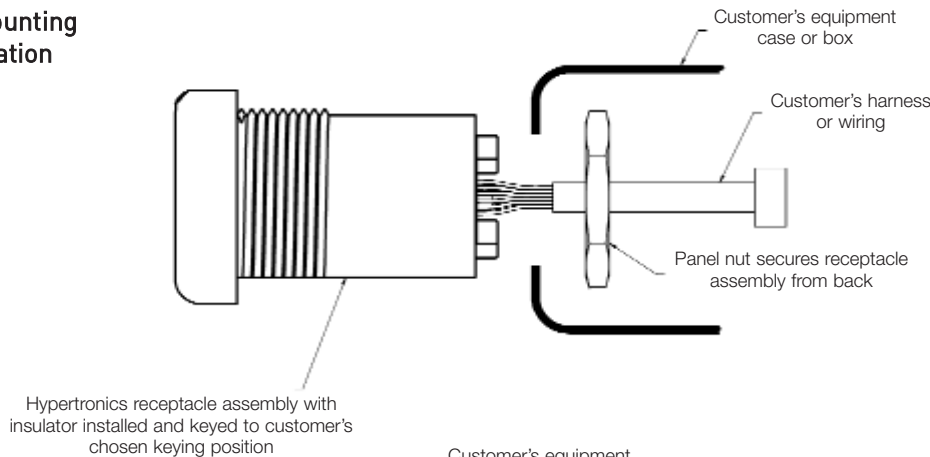


Note: Dimensions in inches (mm)

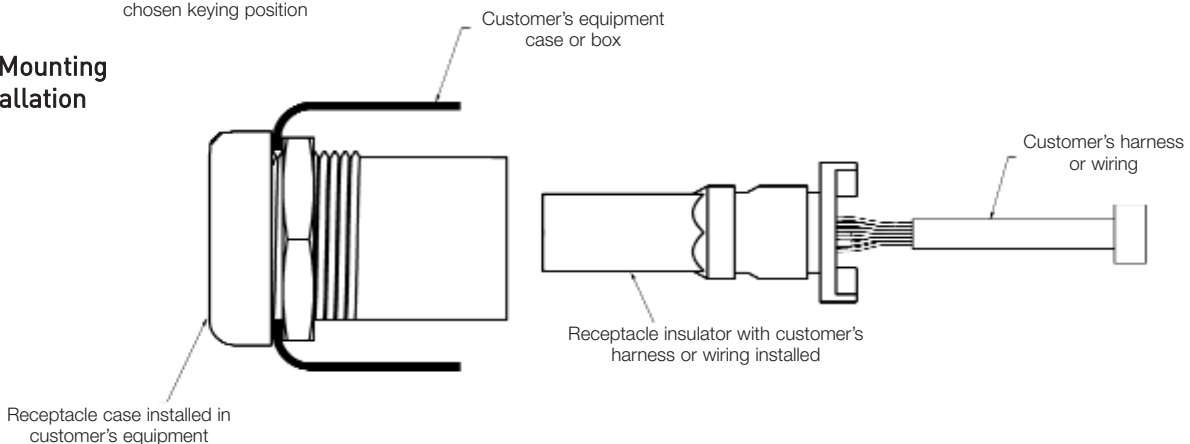
HyperGrip - GENERAL SPECIFICATIONS

Contact diameter in (mm)	.016 (0.4)
Current rating (amps)	1
Contact resistance (milliohms)	< 8
Contact extraction force each (oz.)	.6 to 1.6
Contact life cycles	up to 100,000
Plug cycle life	up to 20,000
Breakdown voltage between contacts	> 1,000V
Dielectric withstanding voltage	> 750V
<i>Contact Material & Plating</i>	Sockets: BeCu wires and brass body components 50 microinches of gold over nickel on wires Gold flash over nickel on all other socket components. Pins: Brass 50 microinches of gold over nickel
Insulation resistance	> 5 x 10 ⁴ megohms @ 500 VDC
<i>Temperature Rating</i> Polyetherimide, LCP, Silicone	-40°C to +125°C up to +185°C processing
Sterilization	Steam autoclave, Gamma, ETO

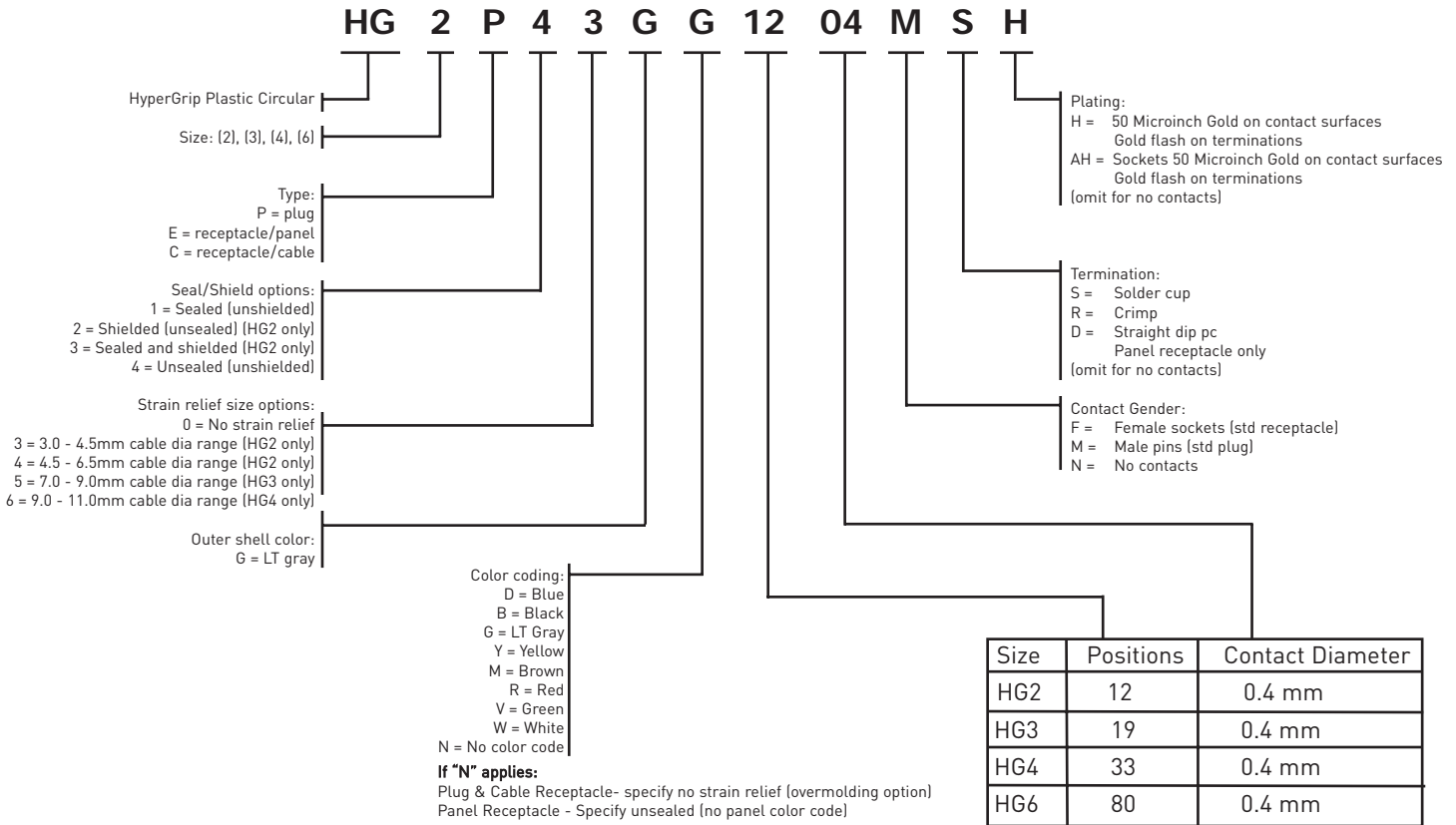
Front Mounting Installation



Rear Mounting Installation



HyperGrip ORDERING INFORMATION

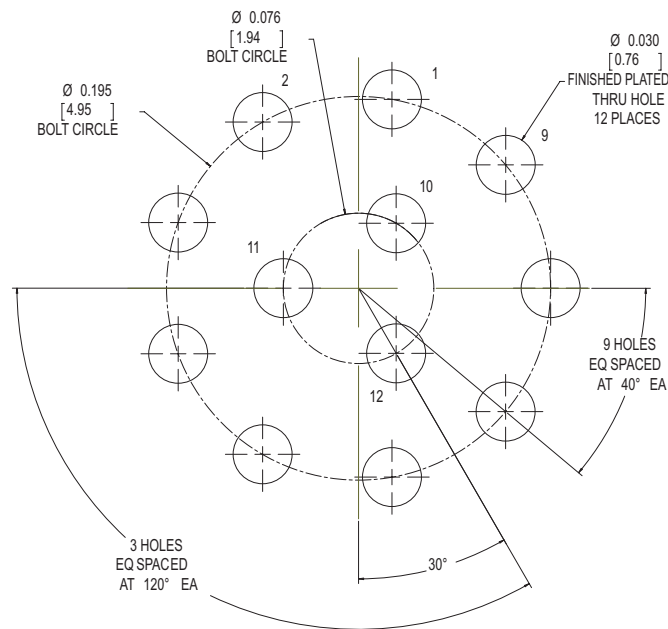


Contact Ordering Information		
Contacts	Part Numbers	Wire Gauge (AWG)
Female Receptacle		
Crimp Socket	YSK004-041AH	26 - 28
Solder Cup Socket	YSK004-039AH	26 MAX
PC Terminal Socket	YSK004-040AH	N/A
Male Plug		
Crimp Pin	YPN004-028H	26 - 28
Solder Cup Pin	YPN004-027H	26 MAX
Male Receptacle		
Crimp Pin	YPN004-029H	26 - 28
Solder Cup Pin	YPN004-026H	26 MAX
PC Terminal Pin	YPN004-030H	N/A
Female Plug		
Crimp Socket	YSK004-037AH	26 - 28
Solder Cup Socket	YSK004-036AH	26 MAX

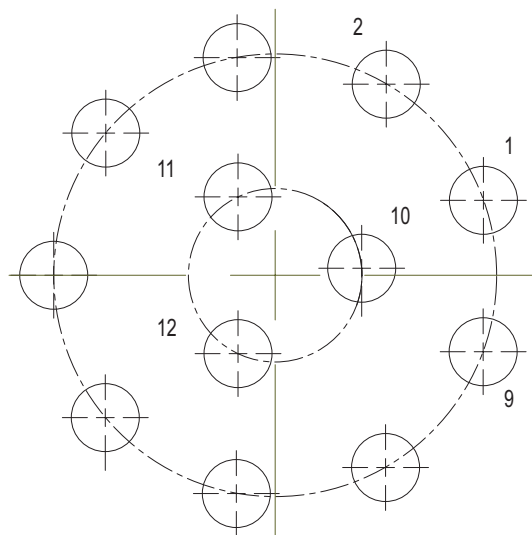
Tools	Part Numbers
Crimp Tool	AFM8 or M22520/2-01
Positioner	T2030
Insertion Tool	T1916
Receptacle Insulator Extraction Tool	T2057 (HG2) T2085-20 (HG3) T2085-34 (HG4) T2085-85 (HG6)

HG2

12 Position PCB Cutout
"A" Key (D Termination)



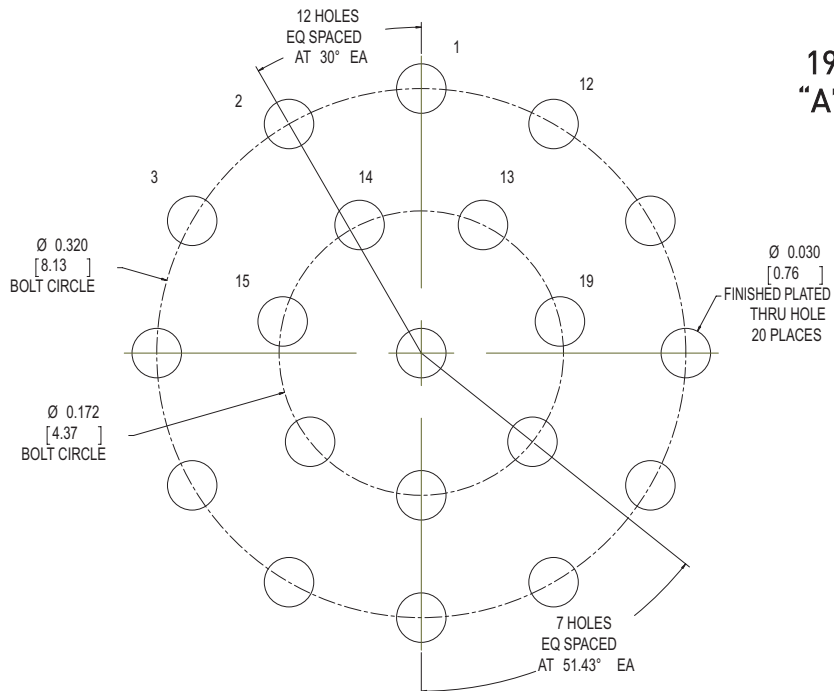
12 Position PCB Cutout
"B" Key (D Termination)



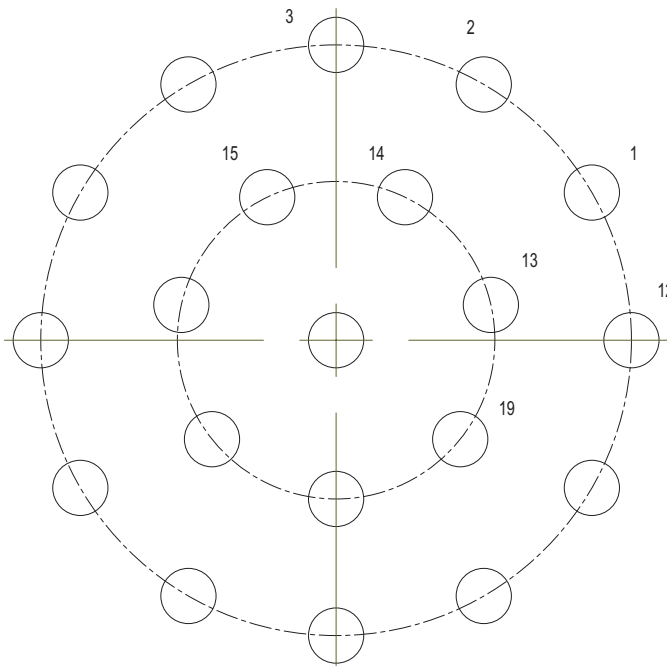
Note: Dimensions in inches (mm)

HG3

**19 Position PCB Cutout
"A" Key (D Termination)**

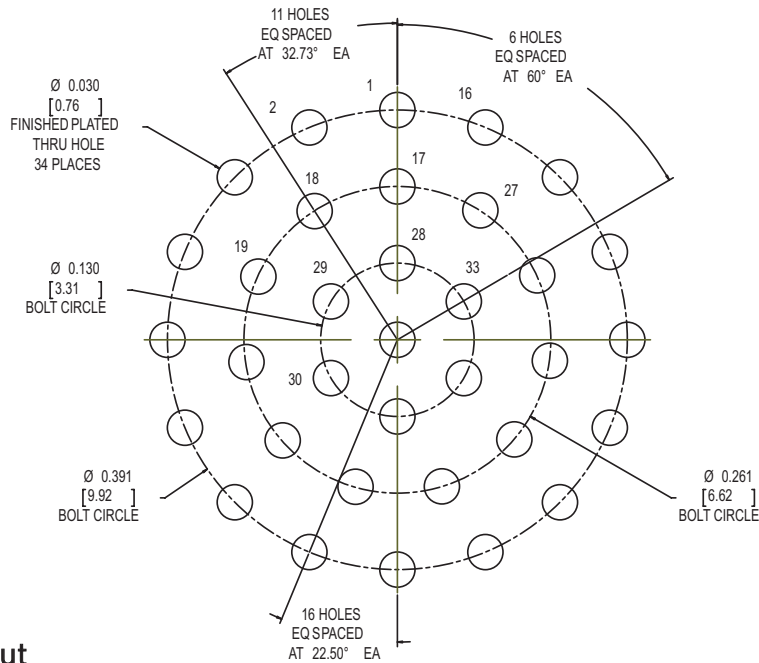


**19 Position PCB Cutout
"B" Key (D Termination)**

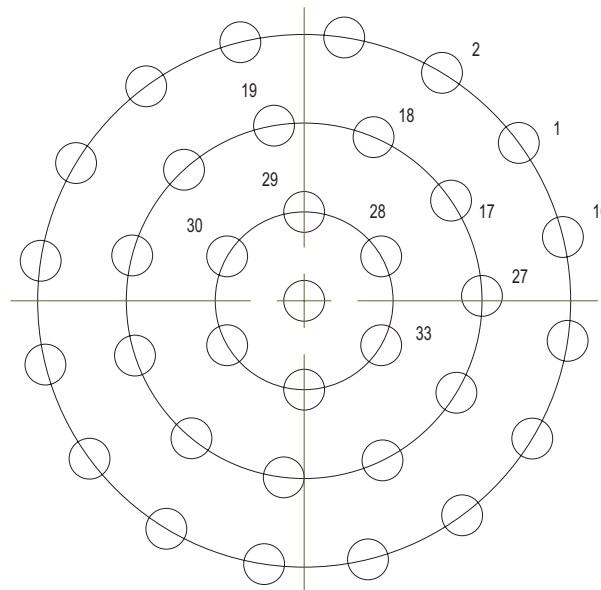


HG4

33 Position PCB Cutout
"A" Key (D Termination)



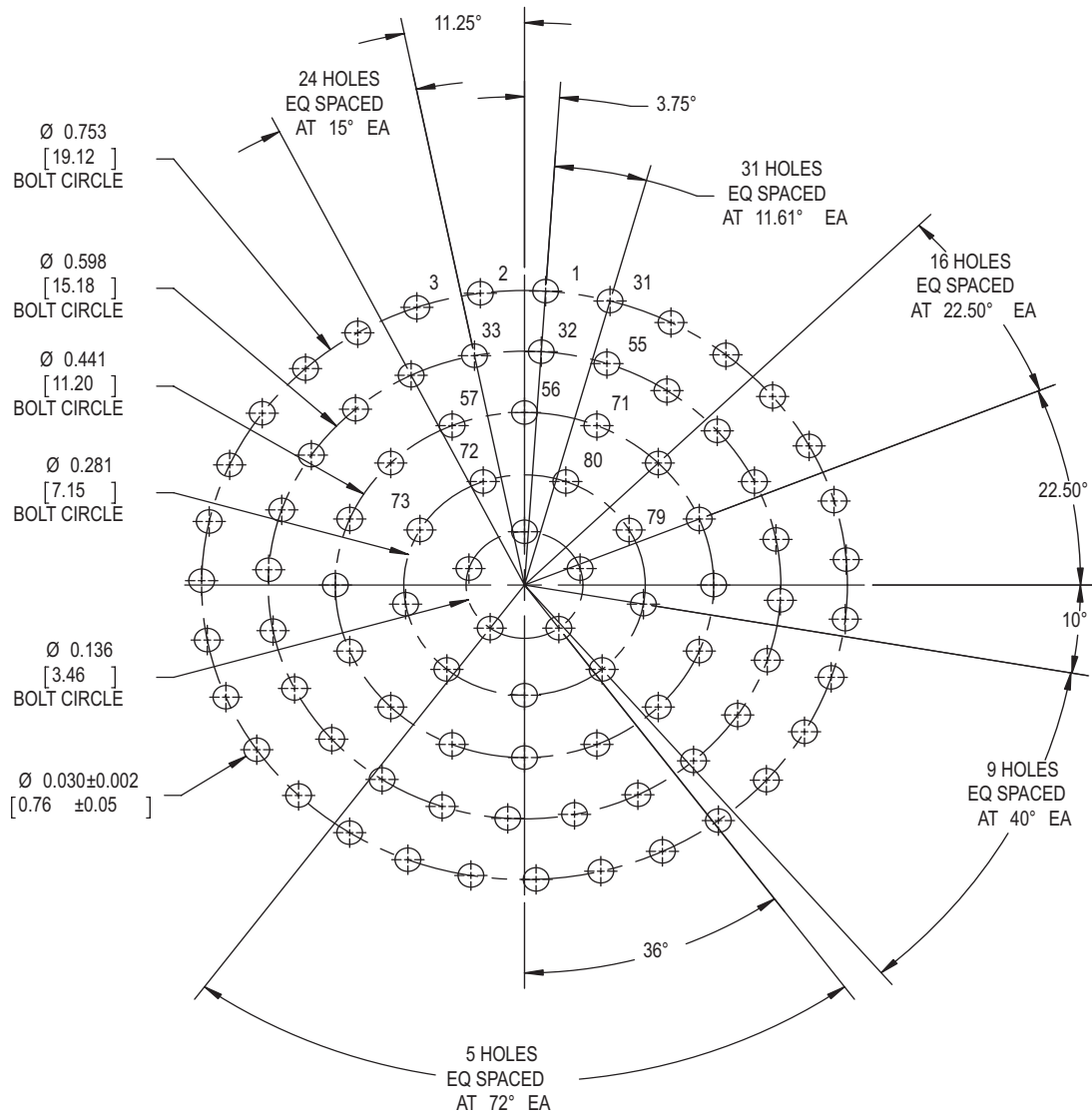
33 Position PCB Cutout
"B" Key (D Termination)



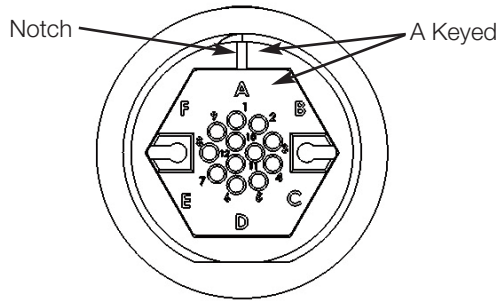
Note: Dimensions in inches (mm)

HG6

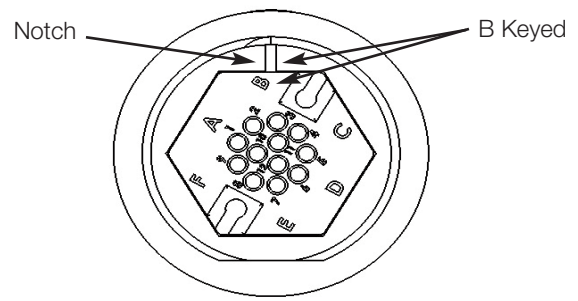
**80 Position PCB Cutout
"A" Key (D Termination)**



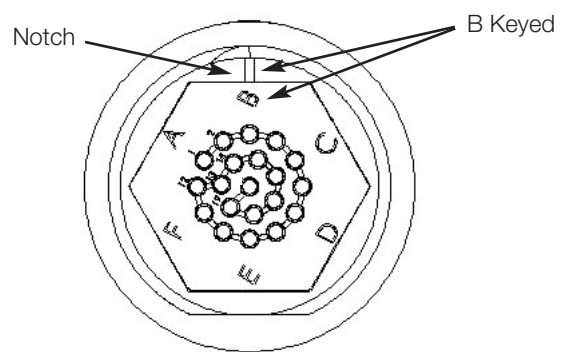
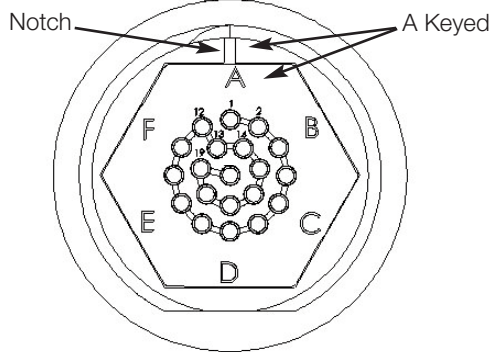
**Keying Position A
(Receptacle Wiring End)**



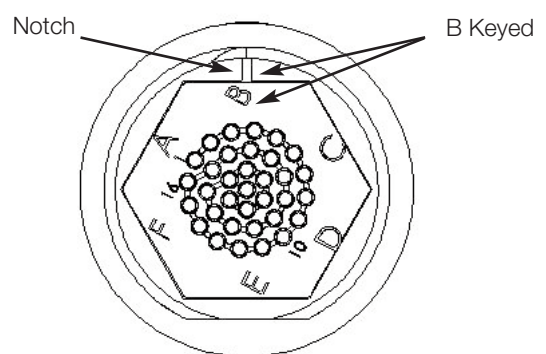
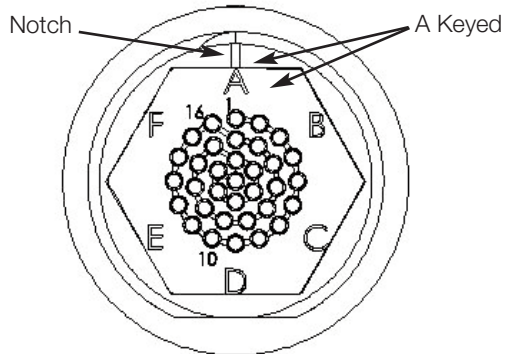
**Keying Position B
(Receptacle Wiring End)**



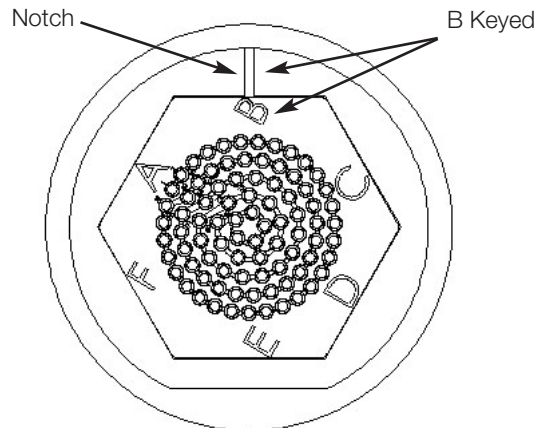
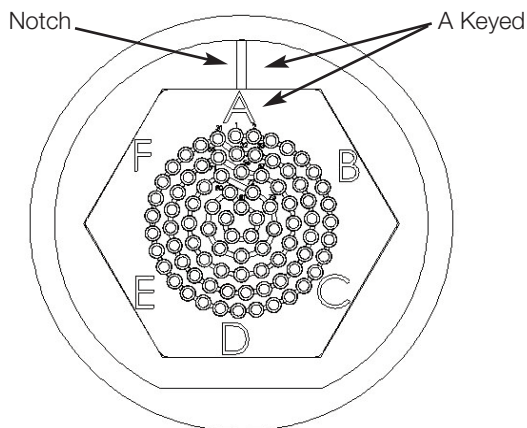
HG2



HG3



HG4



HG6

Note: 6 different keying positions possible - A through F