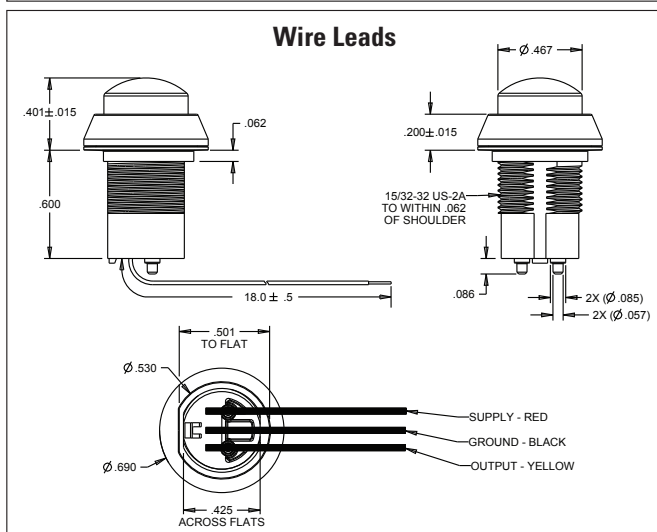
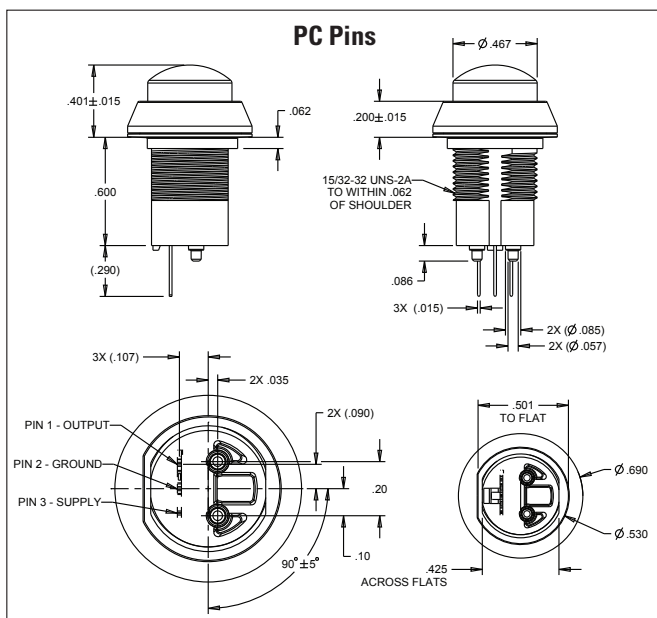


10 MILLION CYCLES, CONTACTLESS HALL EFFECT TECHNOLOGY

The HP7C Hall effect momentary action pushbutton series shares similar characteristics to the HP7 series but is a lower cost version made with a thermoplastic case and a nylon button. With a 10 million cycle life, the HP7C works well in industrial joystick controls, remote controls and other applications requiring high reliability and high rates of actuation. PC pins or wire leads are standard with value-added connectors available to specification.

## Features:

- 10 million cycles
- Hall effect technology for long life
- Stylish dome-shaped buttons in 9 colors
- Momentary action
- PC pin or wire lead termination styles
- RoHS/WEEE/Reach compliant



## Standard Characteristics/Ratings:

### MECHANICAL:

<b>Mechanical Life:</b>	10,000,000 cycles
<b>Button Travel:</b>	0.080 inches max
<b>Overtravel:</b>	0.010 inches min
<b>Operating Force:</b>	12 oz +/- 4 oz
<b>Operating Point:</b>	0.040 inches +/- 0.012
<b>Electrical Life:</b>	10,000,000 cycles

### ELECTRICAL RATINGS: Rated at Vcc = 5V @ 25°C Load = 1mA (4.7KΩ)

Electrical	Units	Min	Max
Supply Voltage	VDC	4.5	24.0
Reverse Output Voltage	VDC	N/A	0.5
Supply Current (B=0, Vcc=5V, Io=0)	mA	2.3	4.2
Continuous Output Current	mA	N/A	20.0
Reverse Battery Protection	VDC	-15.0	

### ENVIRONMENTAL:

Operating Temp Range:	-40°C to +85°C
Storage Temp Range:	-40°C to +105°C
Electronic Enclosure Design:	IP68S

### MATERIALS:

<b>Button:</b>	Nylon
<b>Case &amp; Bezel:</b>	Thermoplastic
<b>Mounting Hardware:</b>	Hex nut & lockwasher

## HP7C PART NUMBER CODE

HP7C	-	X	X	X	1	X	X
<b>Button Style</b>		<b>Circuit Style</b>		<b>Terminal Style</b>		<b>Seal Level</b>	<b>Bezel Color</b>
DR. Raised Dome		1. Normally High		3.3 Pin Header			1. Red
Matte Finish		Momentary		5. 18" Potted			2. Black
		3. Normally Low		26 AWG			3. Orange
		Momentary		Wire Leads			4. Yellow
							5. Green
							6. Blue
							7. Purple
							8. Gray
							9. White

# Mouser Electronics

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