GPB870 Push Button
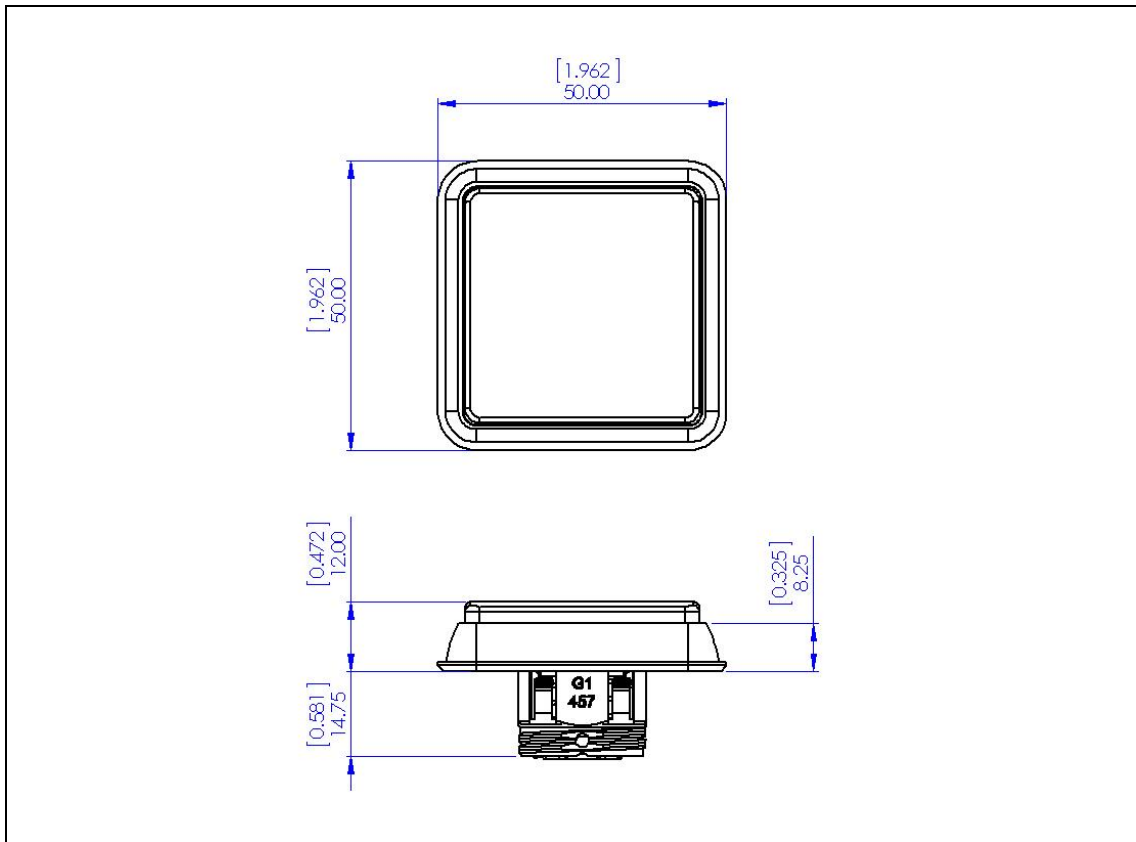# Product Specification
Issue 02: 05.01.2021

<u>Disclaimer:</u>

The information provided within this product specification is intended only to make the reader aware of the product's technical data and its use thereof. As such, Gamesman Ltd shall not be held liable for any loss or damage to the assembly or component within, arising from its misuse or from the unintended use of information or particulars included within, or any omission from, this document.

Design and specifications are subject to change without notice.

Failure to observe the interface requirements specified in this document may result in damage to the electronics and resultant performance characteristics of the product.
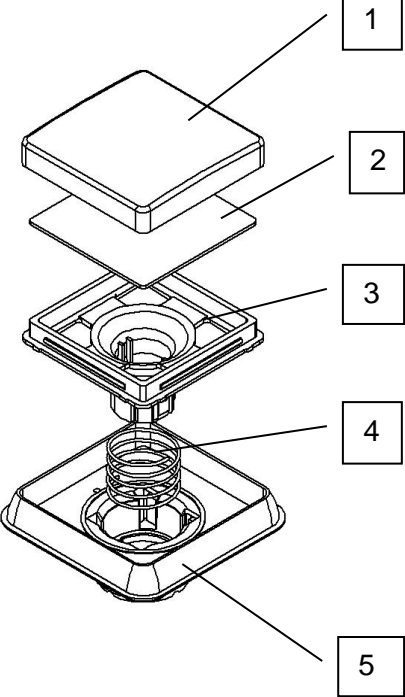
1. Product Dimensions
   a) General Dimensions

[1.962]
50.00

[1.962]
50.00

[0.472]
12.00

[0.325]
8.25

[0.581]
14.75

G1
457

b) Insert Dimensions   c) Panel Cut out Details

[1.445]
36.70 MAX

[1.445]
36.70 MAX

[0.870 ±0.002]
22.10 ±0.05

[0.870 ±0.002]
22.10 ±0.05

[0.039 ±0.002]
R1.00 ±0.05

Insert Material – Acetate sheet or similar. Insert Thickness – 0.2mm [0.008"] Minimum – 0.25mm [0.010"] Maximum	Panel thickness with standard nut: 1.20mm [0.047"] Minimum – 2.00mm [0.079"] Maximum Push buttons are snap fit to panel at the stated thickness. Should you need the button to fit into a thicker panel, please refer to Nut Options section in Accessories.

2. Product Identification

	No.	Part Number	Description	Material	UL94 Rating
1	1	G4-821	Lens	Polycarbonate See Note 1.	V2
2	2	G4-820	Legend Plate	Opal Polycarbonate	V2
3	3	G4-1574	Plunger	Opal POM	V2
4	4	G4-950	Standard Spring See Note 2.	Spring Steel	N/A
5	5	Various	Bezel	Polycarbonate See Note 1.	V2

Note 1. Part is available in various colours/colour combinations, see specification sheet for the options. Minimum Order Quantities may apply.

Note 2. All push buttons are supplied as standard with a light spring. A heavy force spring is available on request.

3. Product Compatibility

a) Switch Systems

System Z	
System Y	
System U2	
System U1	
System W	
System WA	
System WB	

b) LED Solutions
Please refer to the link for the latest LED Capsules supported by the switch systems listed above.

c) Lamp Solutions – T-1 ½ - 5mm Lead Free Wedge Base Lamps
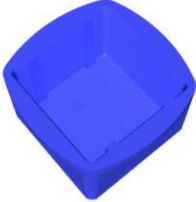Please refer to the link for the Lamps supported by the switch systems listed above.

4. Accessories
   a) Nut Options

There are various nuts available for the GPB870 button. To specify which nut to use please refer to table below. For buttons in panels over 1.5mm and using a nut, we recommend that the bezel clips are removed in Gamesman production.	
Panel Thickness	Colour / Part Number
1mm – 1.9mm	Black / G4-521
1.9mm – 2.9mm	Translucent Red / GMP00694-TRD
2.9mm – 3.9mm	Opal / GMP00695-OL
3.9mm – 4.9mm	Translucent Orange / GMP00696-TOE
6.3mm – 7.2mm	Black / G4-878

   b) Extractor Tool

Extraction Tool for Button Order Part Number G4-1159	

5. Specification Sheet

Click the link below to complete a specification sheet of your requirements. If you have any questions regarding your options that are not covered in this document, please contact our sales team.

GPB870.xls

Packaging

Standard Packaging format for these buttons:

Lens & Legend Packed Separately in Bulk
Switch Connection System Assembled to the Button
Button Assembly Packed in Trays

For any deviations from this please refer to specification sheet.

Space Models

3D CAD models are available on request, please contact our Sales team.

Gamesman

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