Disclaimer:

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.
BUTTONS VIEWED FROM TOP (SCALE 1:2)

ORIENTATION OF TEXT ON INSERT

ORIENTATION IN PANEL WITH SYSTEM K1

CABLES DIRECTION

ORIENTATION IN PANEL WITH SYSTEM K2

PANEL CUTOUT

TOP VIEW

LEGEND INSERT

INSERT THICKNESS:
MAX: 0.30 [0.012]

PANEL THICKNESS:
MIN: 1.40 [0.055]
MAX: 2.00 [0.079]

PANEL CUTOUT, TOP VIEW AND LEGEND INSERT ARE ELLIPSES

THIS PART MUST BE ROHS COMPLIANT

SEE PART DRAWING

SEE PART DRAWING

GPB1280 SPECIFICATION

http://www.gamesman.co.uk

Unit 6, Crompton Fields, Crompton Way
Crowley, West Sussex, RH10 9QB, UK
Tel: +44(0)1293 418888
Fax: +44(0)1293 418880

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DESIGN COPYRIGHT RESERVED. DO NOT SCALE. THIRD ANGLE PROJECTION. DIMS TO APPLY AFTER PLATING.

DIMS SCALE 1:1

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0.005 DIMS 0.05
0.007 DIMS 0.10
ANG 0.5° DRAFT 1/8 IN PER SIDE
CONCENTRICITY 0.012 MAX
DETECTS INSPECTION DIMENSION

F G H E
D C B A

1 2 3 4 5 6
1 2 3 4 5 6
1 2 3 4 5 6
1 2 3 4 5 6

NAME

DATE
FINISH
MATERIAL

GDD02406

DRAWING No.

ISS.

TITLE

DEPTH

DRAWN

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TITLE

DEPTH

DRAWN

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DESIGN COPYRIGHT RESERVED.
TOP SHOT IN ANY COLOUR
(CHROMING AVAILABLE)

SYSTEM K1
SYSTEM K2

TOP SHOT IN ANY COLOUR
(OR OPAQUE IF HALO IS NOT DESIRED)

STANDARD HALO
CONTROLLABLE RGB HALO

BOTTOM SHOT IN ANY TRANSLUCENT COLOUR
(BOTTOM SHOT IN:
- CLEAR, FOR A HOT-SPOT STYLE HALO
- OPAL, FOR A DIFFUSED HALO)

HALO BOARD AND SLEEVE SCREWED BEHIND THE
PANEL AFTER BUTTON IS CLIPPED INTO THE PLATE

FOR STANDARD HALO, GAMESMAN
RECOMMENDS 5 LEDS CENTRAL ILLUMINATION

ALL CONNECTION SYSTEMS
FIT IN THE SAME BUTTON AND
CAN BE USED WITH ANY
BUTTON CONFIGURATION

BEZEL AND LENS HEIGHT DIMENSION
COMMON ON ALL 1200 BUTTONS

SYSTEM K1
(SMALL SWITCH)
SYSTEM K2
(LARGE SWITCH)
SYSTEM K3
(LARGE SWITCH)

1.120
28.5
SYSTEM K1
1.766
44.9
SYSTEM K2
0.236
6.00
0.378
9.60

FOR CONTROLLABLE RGB HALO CONFIGURATION,
GAMESMAN RECOMMENDS 1 LED CENTRAL ILLUMINATION

THIS PART MUST BE
EUROPEAN DIRECTIVE RoHS COMPLIANT

http://www.gamesman.co.uk
Unit 6, Crompton Fields, Crompton Way
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Tel: +44(0)1293 418888
Fax: +44(0)1293 418880

THIS DRAWING SHOULD NOT BE TAKEN AS REFERENCE FOR PART NUMBERS - SEE ASSOCIATED BUTTON SPEC SHEET

ISS. DATE ECN NUMBER REVISION DETAILS NAME
21/05/2012 ECN-1382 BEZEL AND LENS HEIGHT DIMENSION INCLUDED V.PORTILLO
08/10/2012 ECN-1394 K3 SYSTEM ADDED V.PORTILLO
14/09/2012 ECN-1382 V.PORTILLO
### Product Identification

<table>
<thead>
<tr>
<th>No.</th>
<th>Part Number</th>
<th>Description</th>
<th>Material</th>
<th>UL94 Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GMP02303</td>
<td>Lens</td>
<td>PC</td>
<td>UL94-V2</td>
</tr>
<tr>
<td>2</td>
<td>GMP02302</td>
<td>Legend Plate</td>
<td>PC</td>
<td>UL94-V2</td>
</tr>
<tr>
<td>3</td>
<td>GMP02301</td>
<td>Plunger</td>
<td>POM</td>
<td>HB</td>
</tr>
<tr>
<td>4</td>
<td>G4-950</td>
<td>Spring</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>GMP02300</td>
<td>Bezel</td>
<td>PC and ABS</td>
<td>HB and UL94-V2</td>
</tr>
</tbody>
</table>

**Note:**
Item 5 is a 2 shot moulding and therefore available in various colours/colour combinations see specification sheet for the options. *Minimum Order Quantities may apply*
Product Compatibility

a) Switch System –

<table>
<thead>
<tr>
<th>LED Part Number</th>
<th>Type / Colour</th>
</tr>
</thead>
<tbody>
<tr>
<td>0927-G02208</td>
<td>12v Single Axial White LED – K1</td>
</tr>
<tr>
<td>0927-G01981</td>
<td>12v 5 Radial x White LED – K1</td>
</tr>
<tr>
<td>0927-G02207</td>
<td>12v Single Axial White LED – K2 and K3</td>
</tr>
<tr>
<td>0927-G01986</td>
<td>12v 5 Radial x White LED – K2 and K3</td>
</tr>
<tr>
<td>0927-G02841</td>
<td>12v Single Axial White LED – K1 Reverse</td>
</tr>
<tr>
<td>0927-G02842</td>
<td>12v 5 Radial x White LED – K1 Reverse</td>
</tr>
<tr>
<td>0927-G02843</td>
<td>12v Single Axial White LED – K2 and K3 Reverse</td>
</tr>
<tr>
<td>0927-G02844</td>
<td>12v 5 Radial x White LED – K2 and K3 Reverse</td>
</tr>
</tbody>
</table>

Gamesman recommends Single Axial Central LED Option for Controllable Halo Versions & 5 Radial x LED Option (1 central and 4 side firing) for non-Controllable Halo Versions.

For more details see the Gamesman Specification sheet for this button. GPB1280.xls, and details of various switch connection systems.
c) Controllable Halo PCBA Options

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Type / Colour</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0927-G02305</td>
<td>RGB – Memory - Pre Programmed – 5v (Option 1)</td>
<td>This option consists of a memory chip located on the halo PCBA itself. This chip contains a pre-determined, pre-programmed LED sequence uploaded at the time of manufacture so that when voltage is applied, the PCBA automatically runs this sequence. As there is no independent ‘control’ of the LEDs this only has a 2pin connector – power and ground.</td>
</tr>
<tr>
<td>0927-G02354</td>
<td>RGB – Without Memory – Controllable from External Source - 5v (Option 2)</td>
<td>This option does not have the memory chip on board and as such will not automatically run a sequence when voltage is applied. However, it does have a 7way connector with pins that allow the customer to control the LEDs independently through the use of their own LED controller board, via serial communication.</td>
</tr>
</tbody>
</table>

Details of Securing the Sleeve, PCBA and Screw to Button
1) Snap Button into panel from the front of the machine
2) Lining up the fixing holes up in the Bezel, Sleeve and PCB, use the 2 x screws provided to secure the RGB PCBA from the rear of the panel.
3) Snap switch holder into bezel.

<table>
<thead>
<tr>
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<th>Material</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GMP02304</td>
<td>Sleeve</td>
<td>ABS</td>
<td>HB</td>
</tr>
<tr>
<td>2</td>
<td>Various see above</td>
<td>PCBA</td>
<td>Various</td>
<td>UL94-V0</td>
</tr>
<tr>
<td>3</td>
<td>A168 / GPP02024</td>
<td>No. 4 Screw</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
d) Accessories

**Tools**

<table>
<thead>
<tr>
<th>Extraction Tool for Button</th>
<th><img src="image" alt="Extraction Tool for Button" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Order Part Number GMP02307</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Insertion/Extraction Tool for Switch</th>
<th><img src="image" alt="Insertion/Extraction Tool for Switch" /></th>
</tr>
</thead>
<tbody>
<tr>
<td>Order Part Number GMP02791</td>
<td></td>
</tr>
</tbody>
</table>
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.

GPB1280.xls

Packaging

Standard Packaging format for these buttons:

For NON CONTROLLABLE HALO
Lens & Legend Packed Separately in Bulk
Switch Connection System Assembled to the Button
Button Assembly Packed In Trays

For CONTROLLABLE HALO
Lens & Legend Packed Separately in Bulk
Switch Connection System in Bulk
Button Assembly Packed In Trays
All Halo parts packed in bulk as kit of parts PER BOX (Sleeve, Screws & LED PCBA)

For any deviations from this please refer to specification sheet.

Space Models

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