



GPB1260 Push Button Product Specification

Issue 06: Date 03.11.2022



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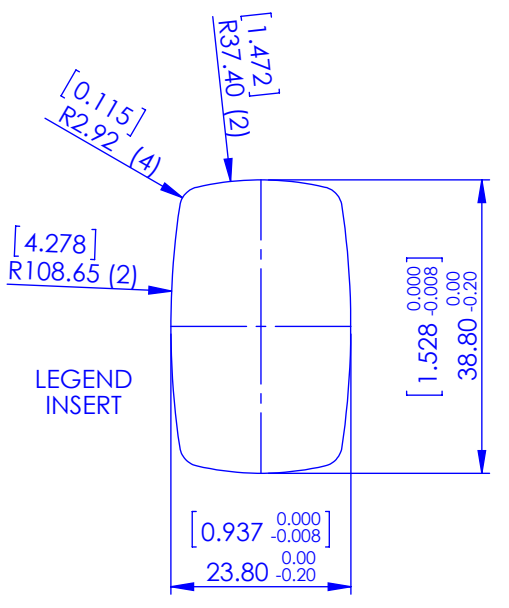
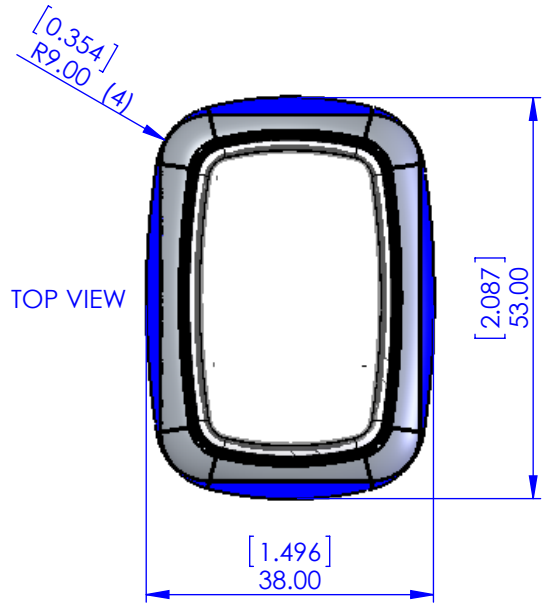
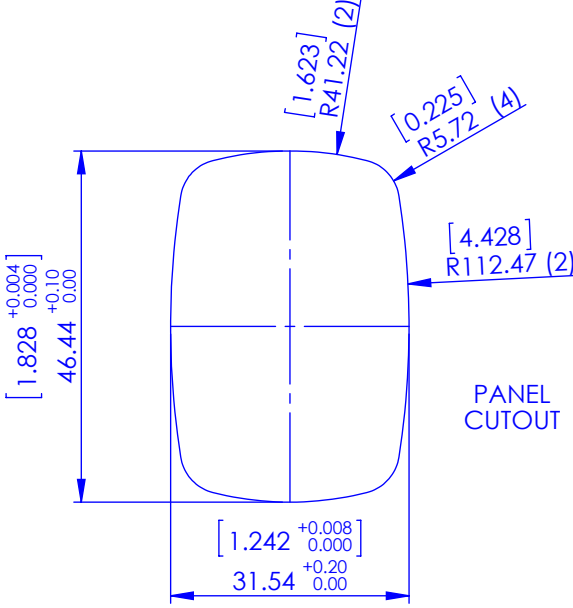
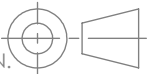
Design and specifications are subject to change without notice.

Failure to observe the interface requirements specified in this document may result in damage to the electronics and resultant performance characteristics of the product.

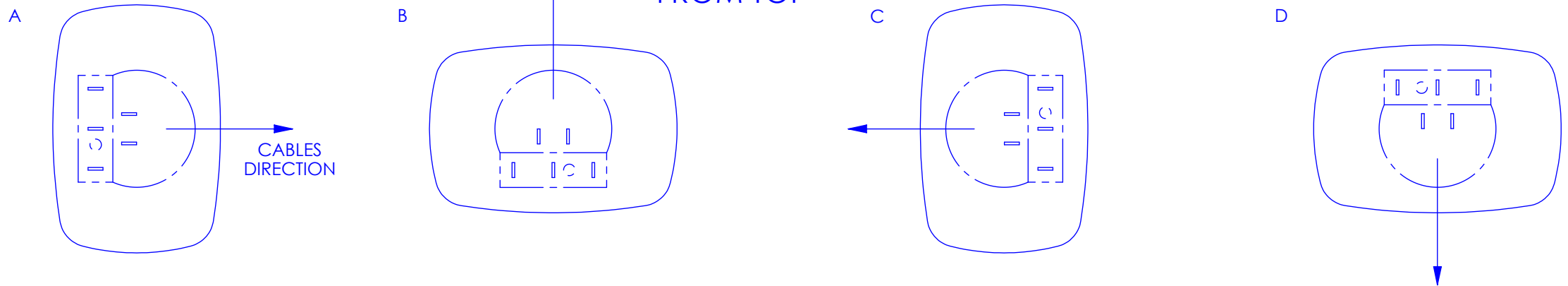
DRAWING No.
GDD02404

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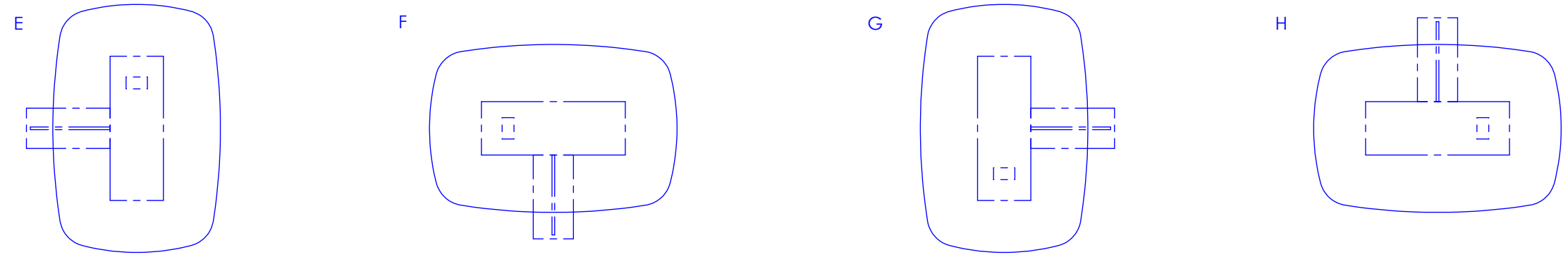
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RESERVED.
DO NOT SCALE.
THIRD ANGLE PROJECTION.
DIMS TO APPLY AFTER PLATING.



**BUTTONS VIEWED
FROM TOP**

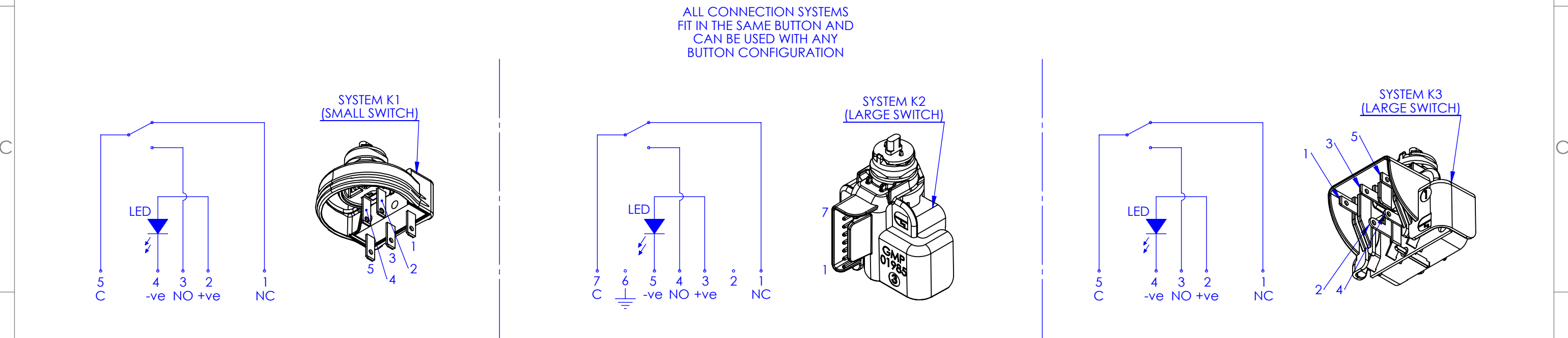
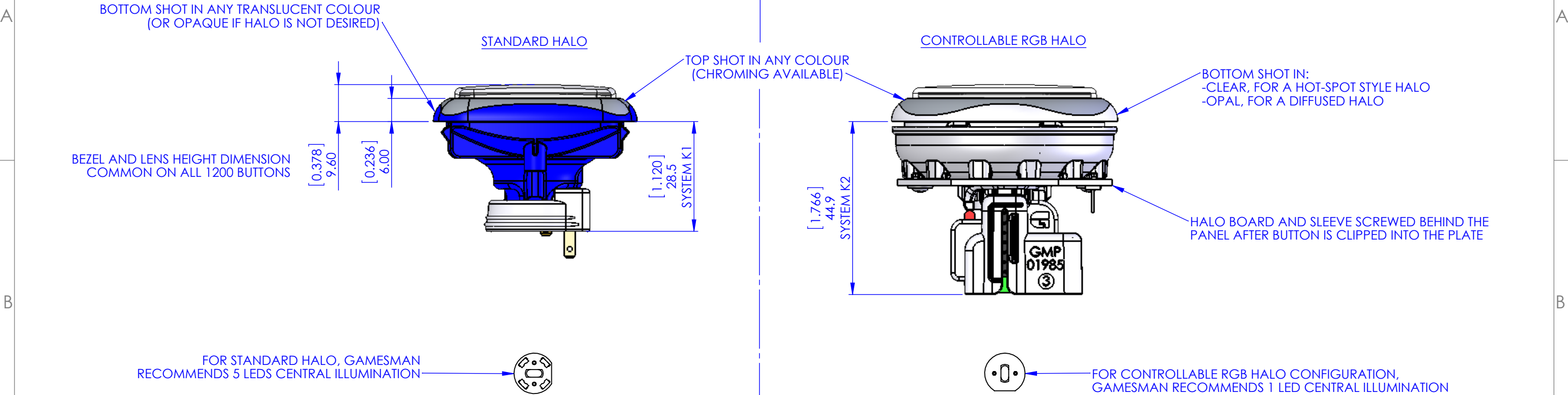


**ORIENTATION OF
TEXT ON INSERT**



D	APPROVED	 Unit 6, Crompton Fields, Crompton Way Crawley, West Sussex, RH10 9QB, UK Tel: +44(0)1293 418888 Fax: +44(0)1293 418880 http://www.gamesman.co.uk	 THIS PART MUST BE RoHS COMPLIANT	DIMS mm	SCALE 1:1	2	19/06/2012	ECN-1349	THICKNESSES OF PANEL AND INSERT ADDED				V.PORTILLO	D	
	DRAWN V.PORTILLO					1	23/05/2012	NEW DRG	DRAFT ISSUE				V.PORTILLO		
						DATE 21/05/2012	ISS.	DATE	ECN NUMBER	REVISION DETAILS					NAME
TITLE GPB1260 SPECIFICATION							SIZE A3	SHEET 1 of 1	DRAWING No. GDD02404						

TOLERANCES UNLESS
OTHERWISE SPECIFIED:
0.00 DIMS ± 0.13
0.0 DIMS ± 0.40
ANG $\pm 0.5^\circ$, DRAFT $\pm 1^\circ$ PER SIDE
CONCENTRICITY ± 0.08 MAX
O - DENOTES INSPECTION DIMENSION



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

D	APPROVED	Gamesman Unit 6, Crompton Fields, Crompton Way Crawley, West Sussex, RH10 9QB, UK Tel: +44(0)1293 418888 Fax: +44(0)1293 418880 http://www.gamesman.co.uk THIS PART MUST BE RoHS COMPLIANT FINISH SEE PART DRAWINGS MATERIAL SEE PART DRAWINGS	DIMS mm	SCALE 1:1	3	08/10/2012	ECN-1394	K3 SYSTEM ADDED	V.PORTILLO		
	DRAWN V.PORTILLO		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0.00 DIMS ±0.13 0.0 DIMS ±0.40 ANG ±0.5°, DRAFT ±1° PER SIDE CONCENTRICITY ±0.08 MAX ○ - DENOTES INSPECTION DIMENSION		2	14/09/2012	ECN-1382	BEZEL AND LENS HEIGHT DIMENSION INCLUDED			V.PORTILLO
	DATE 15/05/2012				1	21/05/2012	NEW DRG	DRAFT ISSUE			V.PORTILLO
					ISS.	DATE	ECN NUMBER	REVISION DETAILS		NAME	
					TITLE			SIZE	SHEET	DRAWING No.	
					1200 SERIES SPECIFICATION			A3	1 of 1	GDD02399	

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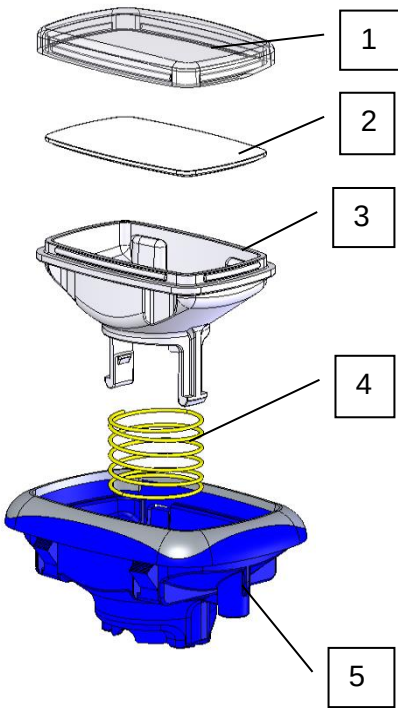
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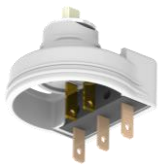
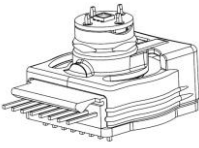
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Product Identification

	No.	Part Number	Description	Material	UL94 Rating
	1	GMP02278	Lens	PC	UL94-V2
	2	GMP02277	Legend Plate	PC	UL94-V2
	3	GMP02276	Plunger	POM	HB
	4	G4-950	Spring	Carbon Steel	N/A
	5	GMP02275	Bezel	PC and ABS	HB and UL94-V2
Note: Item 5 is a “two shot” moulding, and therefore available in various colour combinations – see the button specification sheet for potential options. *Minimum order quantities may apply*					

Product Compatibility

System	K1	K2	K3	K7
Illustration				
Datasheet				
Switch	Cherry DB3 or Cherry DB5	Cherry Large Tactile (NO & NC options for RGB)	Cherry Large Tactile	Cherry DB3 or Cherry DB5
White LED Options	12V or 5V, Single LED or 5 Radial LEDs	12V or 5V, Single LED or 5 Radial LEDs	12V or 5V, Single LED or 5 Radial LEDs	12V or 5V, Single LED or 5 Radial LEDs
RGB Option	No	Yes, Single RGB	No	Yes, Single & 3-RGB Options
Removable LEDs	No	Yes	Yes	No
Order Codes for Separate LED Assemblies				
System	K1	K2 & K3		K7
12V White Single LED	N/A	0927-G02207		N/A
12V White Radial 5-LED	N/A	0927-G01986		N/A
5V White Single LED	N/A	Please Enquire		N/A
5V White Radial 5-LED	N/A	0927-G03271		N/A
12V Red Radial 5-LED	N/A	0927-G04818		N/A
12V Blue Radial 5-LED	N/A	0927-G04776		N/A
12V Green Radial 5-LED	N/A	0927-G04816		N/A
12V White Single LED Reverse Polarity	N/A	0927-G02843		N/A
12V White Radial 5-LED Reverse Polarity	N/A	0927-G02844		N/A

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.
[GPB1260.xls](#), and details of various switch connection systems.

Accessories and Options

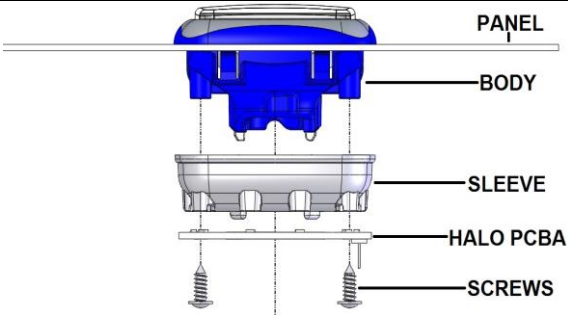
Halo Boards

Halo boards are separately powered LED PCBAs that are specifically mounted to the button of a button, for the purpose of illuminating the outer bezel. For multicolour RGB illumination, Gamesman recommends using Opal Bezels for this purpose. Additional Sleeves and screws are required to mount and illuminate the Halo Board correctly.

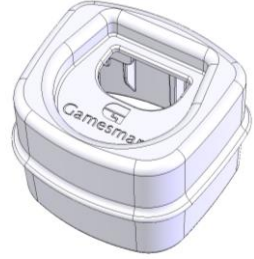
Part Number	Type / Colour
0927-G02280 	RGB – Memory – Pre-Programmed – 5v (Option 1) This option consists of a memory chip located on the halo PCBA itself. This chip contains a pre-determined, pre-programmed LED sequence uploaded at the time of manufacture so that when voltage is applied, the PCBA automatically runs this sequence. As there is no independent ‘control’ of the LEDs this only has a 2pin connector – power and ground.
0927-G02350 	RGB – Without Memory – Controllable from External Source - 5v (Option 2) 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 using their own LED controller board, via serial communication.

Panel Mounting Options

The GPB1200 Series buttons feature Panel Mount clips that will secure the button to a metal panel up to 2mm thick (Including any additional coating or finish), with no additional hardware required. For customers who would like to use an additional Halo Board (See above), Gamesman can advise and supply sleeves and screws for a customer’s cabinet.

<u>Details of Securing the Sleeve, PCBA and Screw to Button</u> 1) Insert Button into the panel from the front of the machine. 2) Lining up the fixing holes up in the Bezel, Sleeve and (optional) Halo PCB, use the screws provided to secure the Sleeve from the rear of the panel. 3) Lastly, snap the switch holder into the bezel.			
			
<u>Sleeve and Screws Only</u> In addition to securing the Halo PCBA, the sleeve and screws can also be used by themselves to provide further security to thicker panels. Maximum allowances for this button per switch system is as follows:			
K1	K2	K3	K7
2mm	8mm	6mm	2mm

Tools

Extraction Tool for Button Order Part Number GMP02282	Insertion/Extraction Tool for K1, K2 and K3 Switch Order Part Number GMP02791
 A 3D perspective view of a light blue, U-shaped plastic tool. The interior of the tool is white and features the text 'GMP02282' and '>ABS<' printed on it.	 A 3D perspective view of a light blue, square-shaped plastic tool. The top surface has a central rectangular opening with a small notch. The text 'Gamesma' is visible on the side of the tool.

Additional Ordering Details

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.

[GPB1260.xls](#)

Packaging

Standard Packaging format for these buttons:

For Buttons **without a Halo Board, Sleeves or Screws:**

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

For Buttons **with a Halo Board, Sleeve or Screws:**

Lens & Legend Packed Separately in Bulk
Switch Connection System to be loosely fitted into button
Button/Switch 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 link here, for other combinations please contact our Sales team.



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