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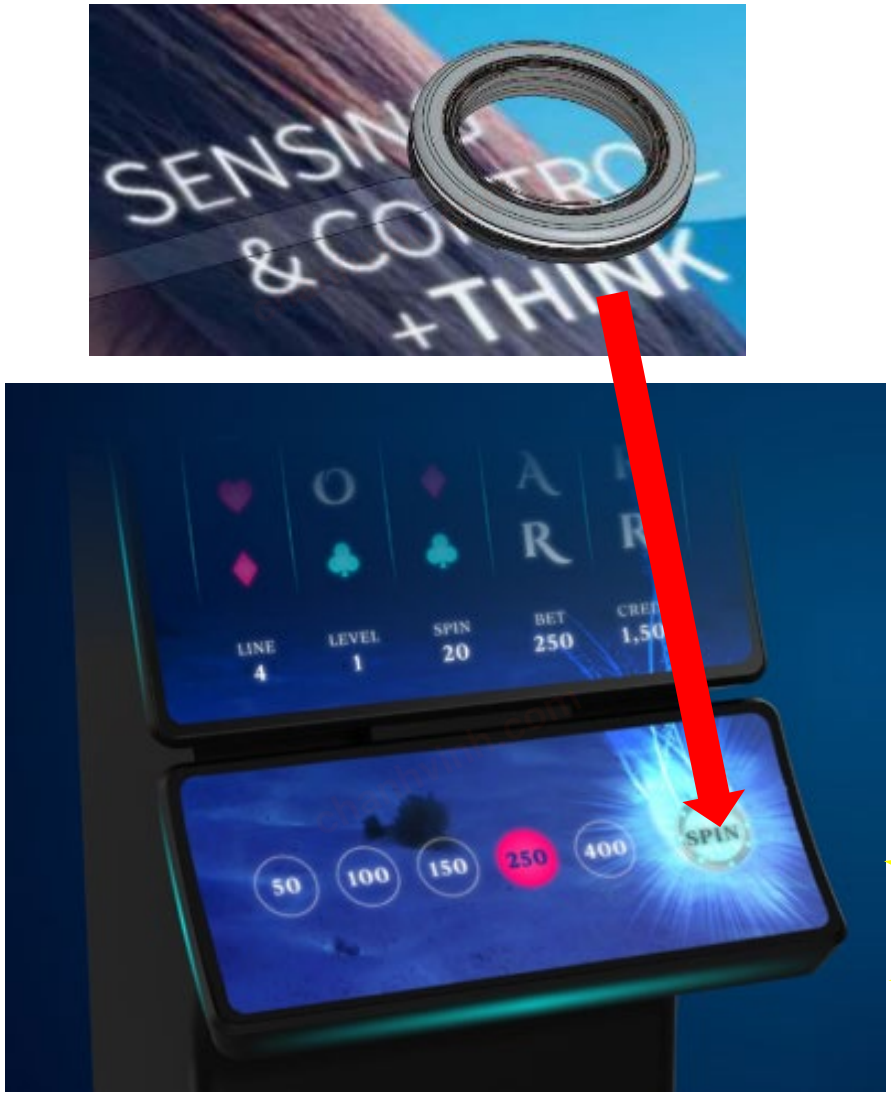
NPI
Bash Button W7BB-X01

March 2022

Omron Electronic Components Europe

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Details of Target Application



Bash Button
W7BB-X01

Concept Movie: https://www.youtube.com/watch?v=02nTdIPjGx0&feature=youtu.be

News: https://ggbmagazine.com/article/next-gen-button/

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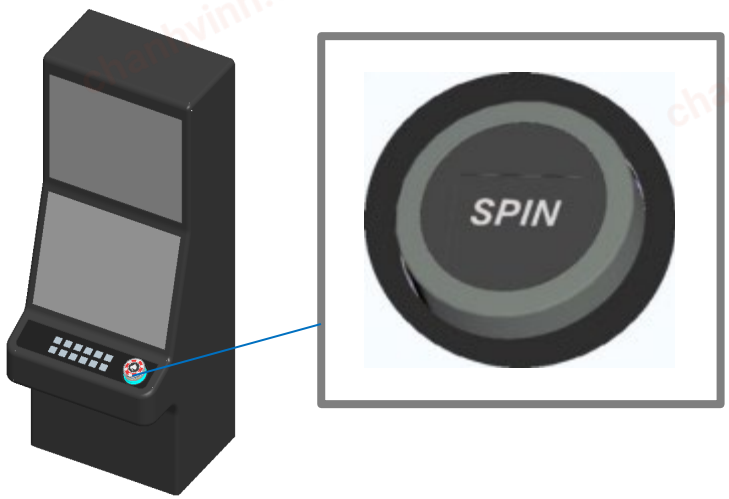
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Market Trends in Casino Gaming Machines

- One of the market trends in casino gaming machine is getting multiple & larger display, even 4K HD screen quality. The trend extends to the operation deck and LCD size are larger.
- SPIN button will remain as a physical button to provide operation feeling (i.e. spending money for game) but needs to match new cabinet design.
- Casino gaming companies are searching for new solution that can extend performance area as well as content expansion.

Current slot machines

Partial LCD operation deck + Normal BB



Future slot machines

Large LCD operation deck + Transparent BB



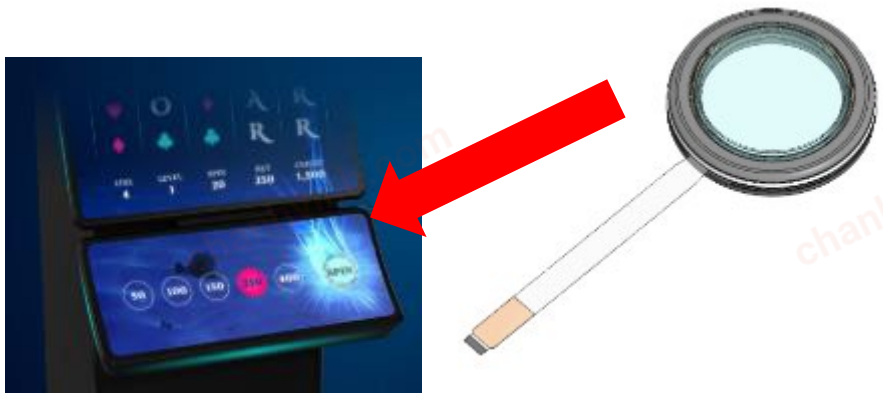
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Bash Button W7BB-X01

- Omron is proud to offer this innovative solution to address the requirements of Casino Gaming Machines.
- This is a button for the operation deck of Casino Gaming Machines. We call this as **General Purpose Bash Button – GPBB**.

General Purpose Bash Button



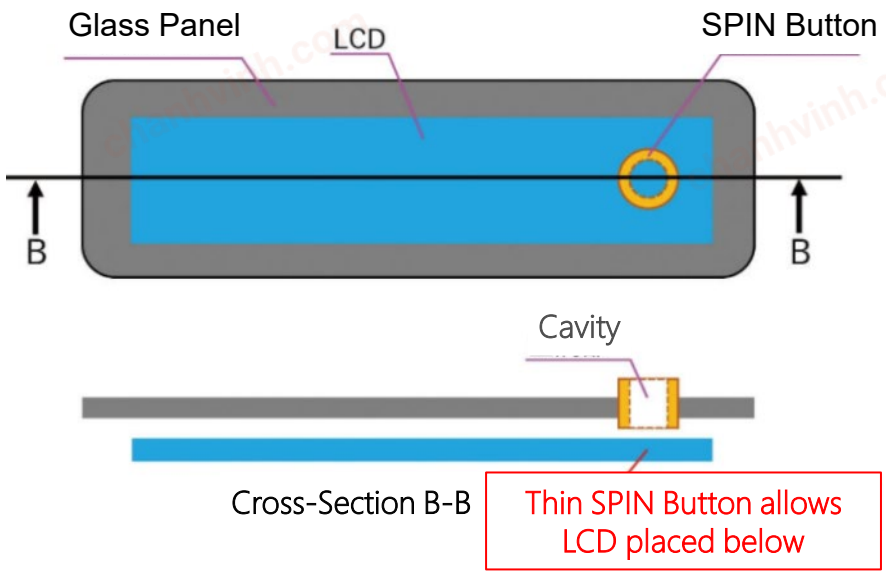
Concept Movie Link:
https://www.youtube.com/watch?v=02nTdIPjGx0

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Key Features of Bash Button W7BB-X01 (1/2)

- **Design Freedom** — It can be positioned anywhere on top of the LCD. It has see-through keytop & transparent FPC.
- **Thin Button** — The thinnest 14.2mm from button bottom to key top. It also gives higher visibility to LCD.
- **Halo Lighting** — It appeals to the player the sense of unity of the cabinet by synchronizing with the lighting of the whole cabinet.

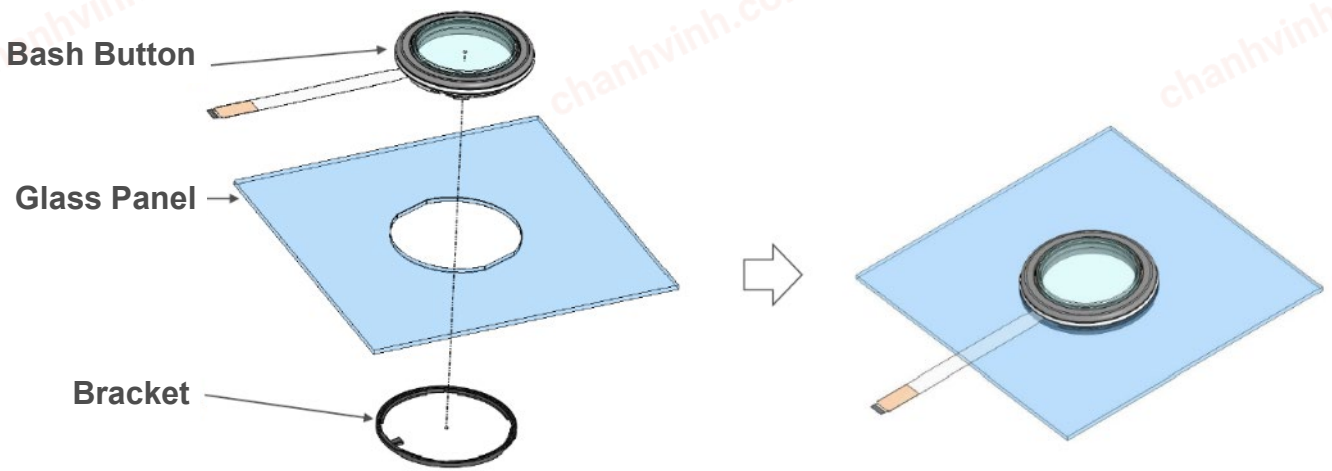




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Key Features of Bash Button W7BB-X01 (2/2)

- **Tactile Feel** — It is physical button and has the same click feeling as a conventional mechanical button and does not give the player a sense of discomfort.
- **Excellent Durability** — More than 4 million operations.
  Water resistance.
  It will reduce the risk of button failures.
- **Serviceability** — Even the button is not working, it can be easily replaced because of screwless assembly.



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Benefits of Bash Button W7BB-X01

(1) Contribute Catchy & Impressive deck design

- Allows creating attractive, engaging, and futuristic full LCD Operation Deck
- Transparent and low profile bash button makes high visibility of LCD
- Halo lighting synchronized to cabinet appeals player

➢ **Allows casino designers to create a more immersive gaming experience**

➢ **Attract casino visitors and acquire potential new fan players**



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Benefits of Bash Button W7BB-X01

(2) Contribute Fun Effect

- Large screen effect with larger display area
- Flexibility of Bash button position on the LCD

➢ **Keep fan players entertained and protect getting bored**



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Benefits of Bash Button W7BB-X01

(3) Contribute to increase gaming machine usability

- High Durability from Water ingress (Advantage > Mechanical BB)
- Easier to refurbish
- Reduce replacement work by personnel
- Increase play on slot machine (No downtime from maintenance)

➢ **Reduce maintenance cost down and keep all machines running**



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Main Spec of Bash Button W7BB-X01

■ Advanced Bash Button with transparent key top & wiring features

【Product configuration】



①Bash Button

- Operating Force : 2.1N（TYP）
- Total Travel : 1.5mm
- Durability : **4 million operations**
- Switch Ratings : 0.1A 5VDC
- Halo Lighting Ratings : 0.1A 24VDC
- Bezel : Chrome
- Outer Diameter : 84mm Φ
- Bezel width : 8.3mm
- Thickness : **14.2mm**
- Number of contacts : 4 point
- Number of LEDs : 10 pcs
- Mounting Glass : 3mm

②Bracket

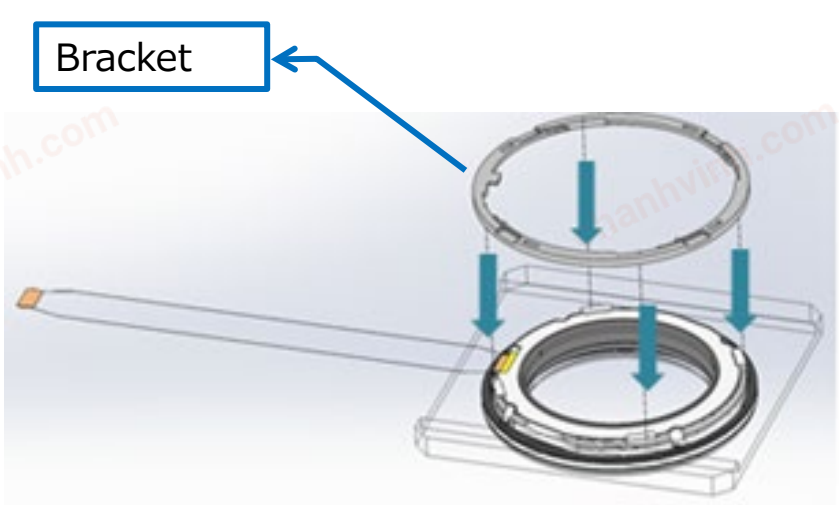
- Thickness : max 2.9mm
- Mounting : No jig needed

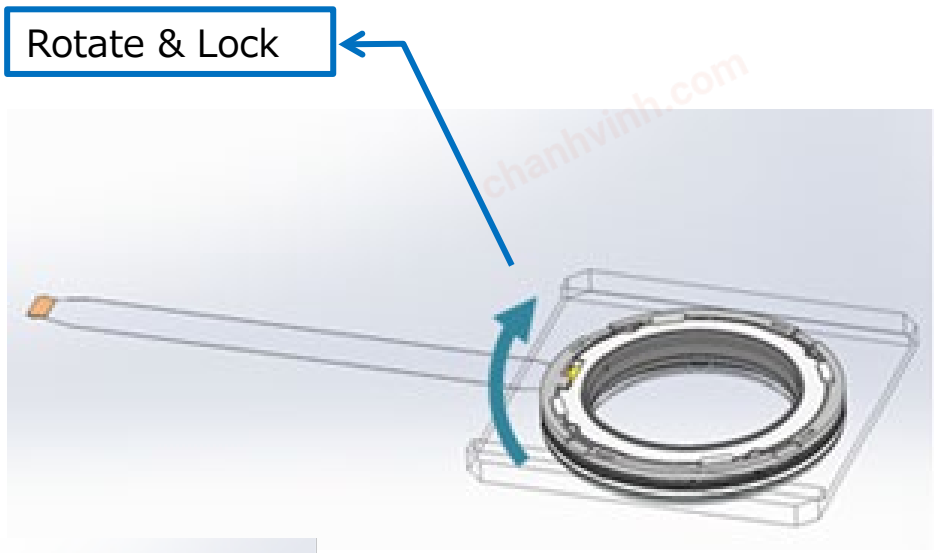
③High Transparent FPC

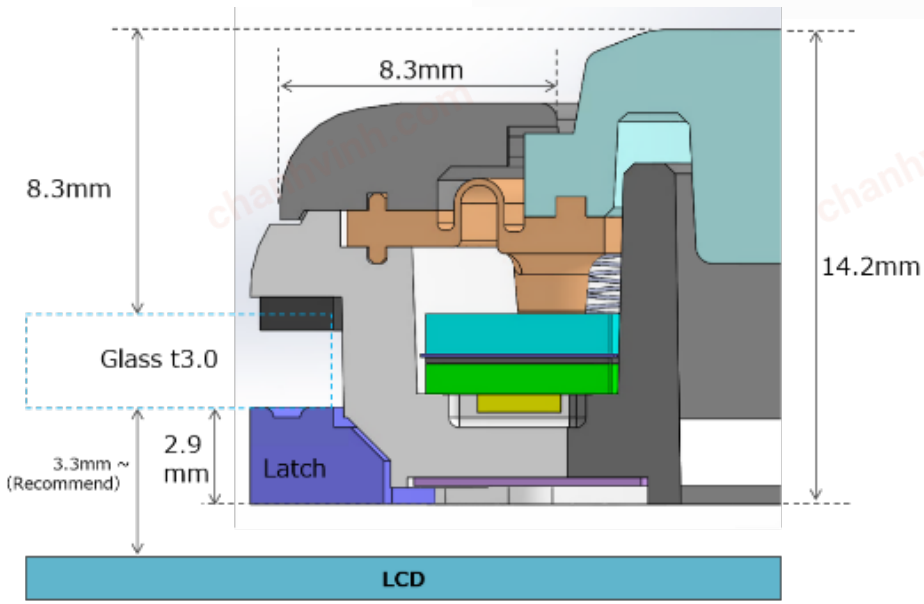
- Length: 125.5mm
- Connector: Hirose FH62 series 35pin

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Installation of Bash Button W7BB-X01







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Technical advantages of Bash Button W7BB-X01

- Our original transparent key top can be installed anywhere on the LCD
- Higher performance with same tactile feeling compare with conventional SW

	Omron General Purpose Bash Button 	**Conventional Mechanical Switch** 
Display	**Variable**	Fixed
Attachment	**On LCD**	Separate from LCD
Thickness	**Thin** (14.2mm)	Thick (15 mm～25mm)
Water resistance	**Have**	None
Durability	High (4 million cycles)	High (4 million cycles)
Workability	**High** (No screw for mounting)	Normal (Need screw for mounting)

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Applications of Bash Button W7BB-X01

- Casino Gaming Machines
- High-end Vending Machines or Kiosk or Ticket Selling, esp. full LCD interface
- Touch Screen Signage
- Display Equipment









- Wherever LCD interface or Touch screen with Confirmation button, esp. payment, Bash Button could be the solution.

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Part Numbers of Bash Button W7BB-X01

- **W7BB-X01**
  This code is for mass production orders.
  MOQ：100 pcs

- **W7BB-X01-2**
  This code is for small order.
  MOQ：20 pcs

- **W7BB-X01 SAMPLE**
  This code is for sampling.
  MOQ：1 pc



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Thank You