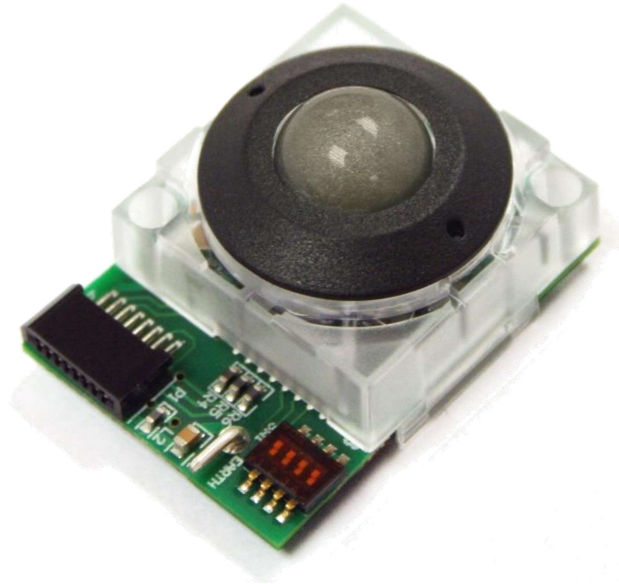


## **X13 Series – 13mm Laser Trackball, Panel Mount, USB & PS/2 Output**



### **1. DESCRIPTION**

Utilizing the latest and most advanced laser tracking technology, the X13 series laser Trackerball™ is an extremely high specification, contact-less device, ideal for the most demanding of cursor control applications.

The laser tracking engine provides accurate cursor motion at all speeds, combining the benefits of solid state sensing (no moving parts except the ball) with the aesthetics, functionality and performance associated with the Cursor Controls product range.

The design incorporates a removable top ring as standard to allow for easy cleaning, decontamination, sterilisation and maintenance - ensuring continued optimum performance and operation under the harshest of conditions.

The X13 series trackballs are available with a variety of electrical outputs, tracking force options, and sealing capabilities up to IP68.

The trackball has been designed to be back of panel mounted as part of OEM keyboards and consoles

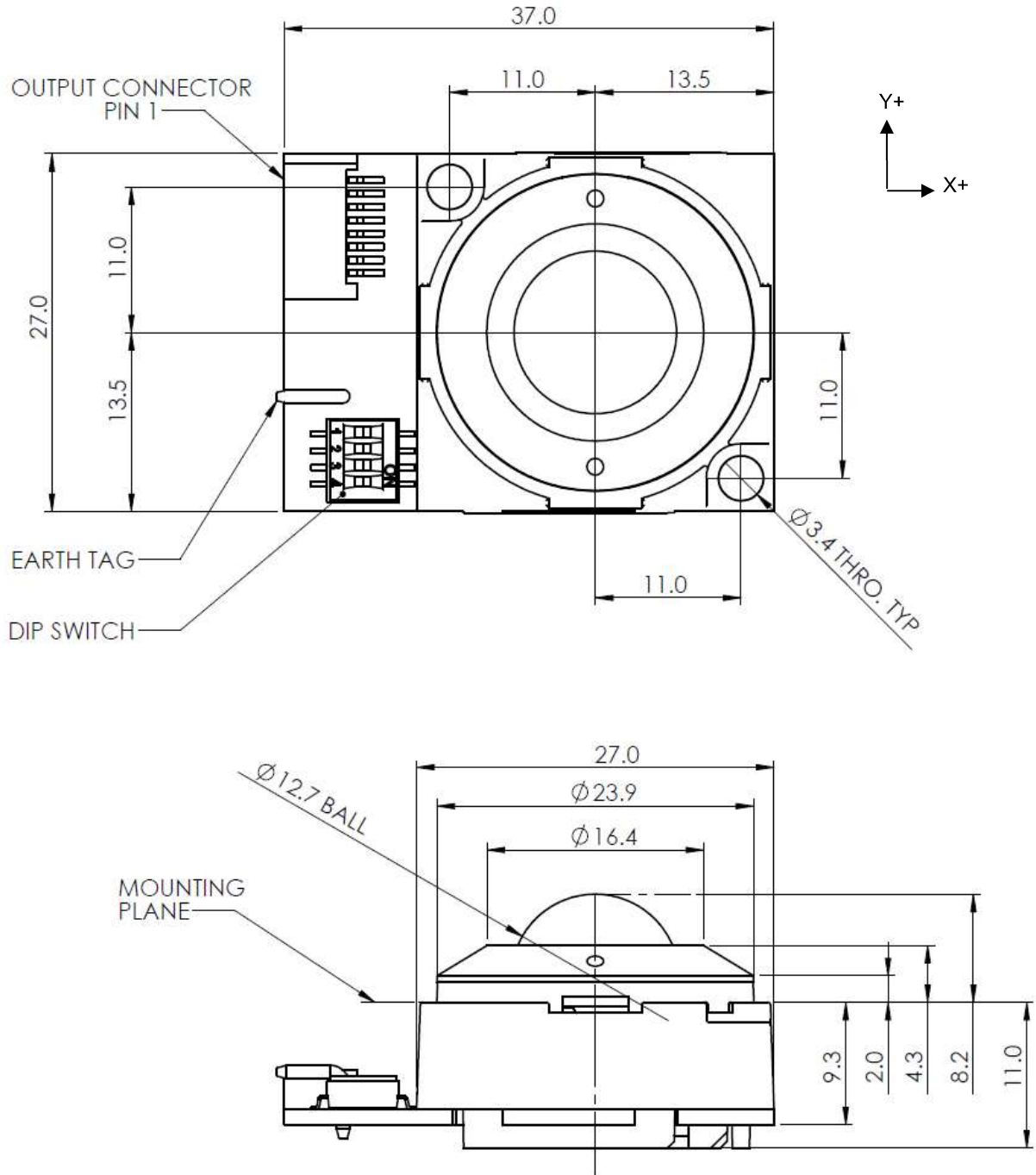
### **2. FEATURES**

- Solid state sensing technology – laser tracking engine (Generation II)
- Sealing up to IP68
- Output: USB & PS2 (auto-select)
- Smooth operation in rugged environments
- Various top plate configurations
- Custom connector options

### **3. APPLICATIONS**

- Medical systems
- Marine systems
- Custom keyboard applications
- Industrial consoles
- OEM custom solutions available

**7. DIMENSION DRAWING**



Dimensional drawing specifies factory default orientation.

All dimensions are in mm unless otherwise stated.

Tolerances +/- 0.2mm unless otherwise stated

Please note that an IGES model is available on request. Please contact your local sales office for more information.

## 9. LASER SAFETY INFORMATION

The X-series trackballs contain a single 840-870nm semiconductor laser. The device is designed such that it fulfills laser safety class 1 regulations according to IEC60825-1 edition 3.0, 2014.

The laser radiation emitted is invisible to the human eye.

Although not considered harmful, staring into the laser beam is not advised.

Deliver labels as given below with the product and include these labels in the product documentation:

### **Explanatory Label:**

To be printed in the documentation, optional on the product



### **Invisible laser radiation**

Take the following precautions to avoid hazardous exposure to laser radiation:

- Do not try to disassemble the trackball.
- Do not contact any leads other than those indicated in this specification

**10. DOCUMENT HISTORY**

<b>Issue</b>	<b>Date</b>	<b>Author</b>	<b>Remarks</b>
A	26.10.2020	N.S	Document released

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