Breadboard Soldless 1660 Tie-Points ZY-204 – Large Prototype Board for Electronics Projects

When it comes to designing, testing, and experimenting with electronic circuits, a reliable breadboard is one of the most essential tools for students, hobbyists, and professional engineers alike. The **Breadboard Soldless 1660 Tie-Points ZY-204** is a high-quality, large-sized solderless breadboard designed for easy circuit prototyping without the need for permanent soldering.

With **1660 tie-points**, sturdy stainless steel spring contacts, and **3 banana plug binding posts**, this breadboard provides ample space and flexibility for building even the most complex circuits. Whether you're working on microcontroller projects, analog or digital electronics, or experimenting with sensors and modules, this breadboard is an invaluable platform to bring your ideas to life.

Key Features of Breadboard Soldless 1660 Tie-points ZY-204

- **Reusable Prototyping Board**
  Build, test, and modify circuits quickly without soldering. Components can be inserted and removed as often as needed.
- **Wide Component Compatibility**
  The breadboard accepts **transistors, diodes, LEDs, resistors, capacitors, ICs, and most electronic components**, making it versatile for all types of circuits.
- **Solder-Free Operation**
  No soldering is required, which not only saves time but also ensures components can be reused for multiple projects.
- **Easy Circuit Modifications**
  With a solderless design, you can revise and reconfigure your circuits in seconds, making it ideal for learning and rapid prototyping.
- **Durable Spring Contacts**
  Constructed with **throat embossed stainless steel spring contacts**, ensuring strong grip and reliable electrical connections over long-term use.
- **Banana Plug Binding Posts**
  Equipped with **3 female 4mm binding posts**, allowing easy connection with external power supplies or measuring instruments.
- **Standard Grid Spacing**
  Follows the industry standard **0.1″ (2.54mm) grid spacing**, making it compatible with DIP ICs, modules, and most electronic components.
- **Large Prototyping Area**
  With **1660 tie-points** and generous dimensions of **20 x 12.5 cm**, this breadboard offers plenty of room to design both simple and advanced circuits.

5 inch / 13 cm
8.5 inch / 21.5 cm
6.4 inch / 16.2 cm
4.25 inch / 10.8 cm
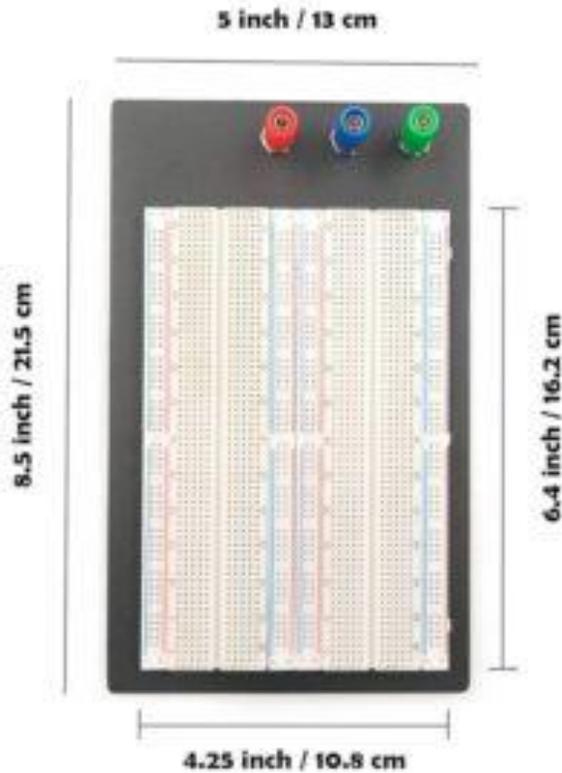
Specifications of Breadboard Assembly 1660 ZY-204

Specification	Details
Tie-points	1660
Spring Contacts	Throat embossed stainless steel
Binding Posts	3 (Banana Plug Female, Short 4mm, Diameter: 11mm)
Color	Off-white
Recommended Insertion Range	26–20 AWG wires
Grid Spacing	0.1″ (2.54mm) between adjacent tie-points
Bottom Plate	Acrylic plate, black
Dimensions	20 x 12.5 cm

Advantages of Using the Breadboard 1660 Tie-Points

1. **Perfect for Learning Electronics**
   University and college students can use this breadboard to experiment with circuit designs without worrying about damaging expensive components.

2. **Ideal for Hobbyists and Makers**
   Whether you're building Arduino-based projects, robotics circuits, or IoT prototypes, this breadboard offers enough space and flexibility for creativity.
3. **Professional Prototyping Tool**
   Engineers can quickly test circuit ideas before committing them to a permanent PCB design, reducing both time and cost during development.
4. **Durable and Long-Lasting**
   The stainless steel contacts ensure a long life of consistent performance, even with frequent component insertion and removal.

Applications

The **Breadboard Soldless 1660 Tie-points ZY-204** is highly versatile and widely used across different fields of electronics, including:

- **Educational Use**: Perfect for lab experiments in schools, universities, and training institutes.
- **DIY Projects**: Great for hobbyists working on personal projects, Arduino, Raspberry Pi, or ESP32 modules.
- **Circuit Testing**: Allows engineers to validate designs before creating permanent PCBs.
- **Robotics & IoT**: Suitable for complex circuits involving sensors, actuators, and communication modules.
- **Research & Development**: A must-have tool in electronics R&D labs for fast prototyping.

Why Choose the ZY-204 Breadboard?

Unlike smaller breadboards, the **1660 tie-point ZY-204 breadboard** provides the space and flexibility needed for advanced circuit designs. Its robust build quality, ease of use, and compatibility with most electronic components make it a **dependable platform** for anyone working in electronics.

By choosing this large solderless breadboard, you ensure that your prototyping process is **organized, reliable, and efficient**. No more messy wires or limitations of smaller boards—this breadboard supports both simple and complex designs seamlessly.

Conclusion

The **Breadboard Soldless 1660 Tie-points ZY-204** is more than just a prototyping board—it is an **essential tool for learning, designing, and innovating** in electronics. With its **large 1660 tie-point capacity**, **3 binding posts**, and **high-quality stainless steel contacts**, it provides a professional-grade platform for anyone working on circuits.

Whether you are a **student learning the basics**, a **hobbyist exploring creative ideas**, or a **professional engineer testing prototypes**, this breadboard ensures you have the right foundation to build and experiment with confidence.

☞ Upgrade your electronics toolkit today with the **ZY-204 1660 Tie-Point Breadboard** and take your prototyping experience to the next level.