

## **Established the production line for standardized “Hi-Giga contactor Unit”**

Yokowo Co., Ltd.  
7-5-11 Takinogawa,  
Kita-Ku Tokyo, Japan  
Tel : 03-3916-3111 (Rep.)

### ■ Summary

Yokowo has standardized design and specifications of “Hi-Giga Contactor Unit” to launch for the market of “High Frequency/Speed Device” test applications. At the same time, the production line has established to respond growth of the demand in future.

### ■ Current Trends in the Semiconductor Industry Market

Most of semiconductor industries are developing higher speed processing devices and up to 10Gbps speed interface on it, because of the processing data size is keep on increasing for personal computers, game machines, communication equipments and so on. Therefore, in semiconductor testing market, the demand of such as “Hi-Giga Contactor Unit” to test high speed devices is growing.

### ■ Process of standardization

Yokowo is selling test sockets for high frequency/speed devices. However, most of them are required to design, procure materials and process materials for each custom made order. Therefore, it was difficult to meet customer’s requirements completely.

On the other hand, customers require much more to shorten delivery time and to reduce cost with following demand increase. Therefore, for such requirements, Yokowo has standardized design and specifications of contact probes, metal housing parts and insulation parts, so that it is possible to deliver on time and process it in production line.

Delivery time = Current model: 1.5 months ⇒ Standardized model: 3 weeks

### ■ Feature of “Hi-Giga contactor Unit

1. Preparing 2 types as “Plastic Sandwich Type” and “Insulator Ring Type” depend on the performance and price.
  - 1) Plastic Sandwich Type
    - \* Band width: DC up to 6 GHz
    - \* Probe pitch: 0.5mm / 0.8mm
    - \* Maximum contact probe quantity: 144 pins
  - 2) Insulator Ring Type
    - \* Band width: DC up to 10 GHz
    - \* Probe pitch: 1.0 mm
    - \* Maximum probe quantity: 1,600 pins
2. Compatible with our current model, since including contact probe technology.
3. Better response of insertion loss, return loss and cross talk than current model.
4. Much better contact performance with contact probe technology than leaf-spring type and membrane type contactors.
5. Possible for users to replace contact probes between signal, power and ground channels.
6. It is given to control ESD with material of the contactor.

### ■ The plan in the future

Yokowo is aggressively trying to get annual sales for 500 sets of “Hi-Giga Contactor Units” for world wide market in 2005, starting it up with this standardization.

---

Enquiries about this new release to:

Connector Company, Circuit Testing Connector Division  
TEL: +81-3-3916-3116