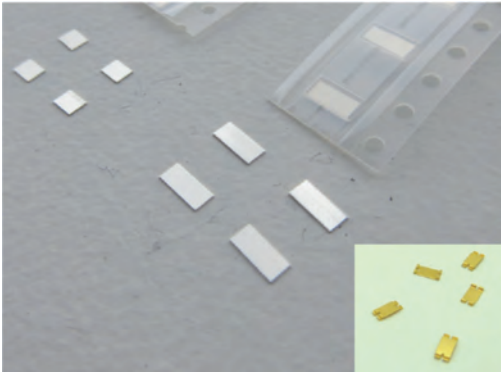




# Onboard Plate

## OGP-2520, OGP-3216, OGP-4520

**NEW**



### OGP configuration ensures reliable contact

- OGP solves contact failure problems caused by solder flux
- Better reliability compared with solder
- Eliminates continuity failure caused by pattern scraping between a PCB and pogo pins and a PCB and a metal plate
- OGP-2520 is 40 % or more downsized from OGP-4520. (Product size: 2.5 mm)
- Gold-plated OGP-3216 can be used as a partial gold plating on PCBs

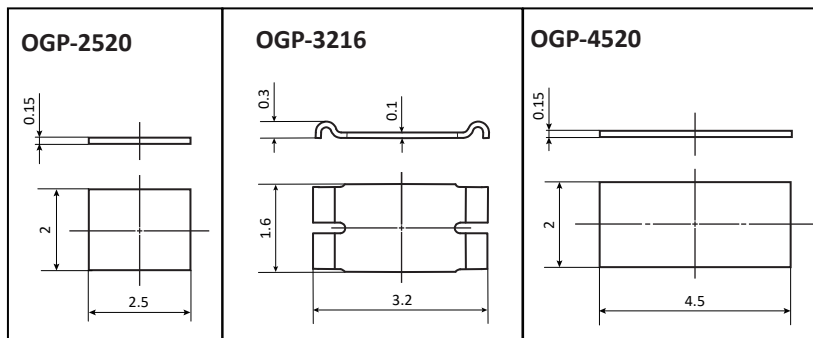
### ■ Dimensions

#### Material

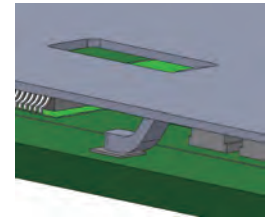
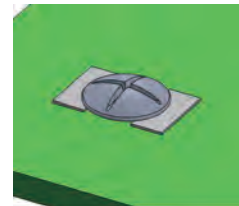
Base material: Brass

Surface treatment: Sn reflow plating \*(First plating: Cu plating)

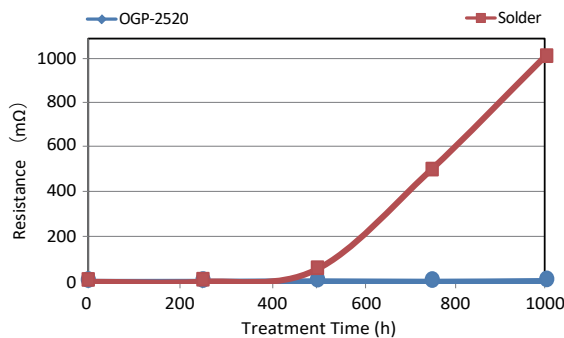
\*Surface treatment for OGP-3216: Au/Ni plating on both sides



### Application examples



### ■ Resistance Measurement Results

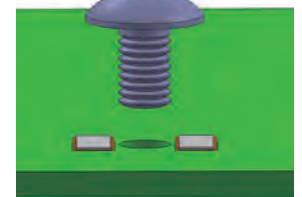


Treatment condition: 125°C

Test method:

- ① A terminal and OGP-2520s are soldered on a substrate. A second terminal is soldered on to a separate substrate, with solder fillets applied on the substrate at the same position as the OGP.
- ② A screw is tightened in each location and the substrates are heat treated.
- ③ After the treatment, the resistance between the terminal and screw is measured with a Milliohm HiTester.

### Screw loosening prevention and automated mounting



	Washers	OGP Series
Mounting Method	Manual	Automated

- Cost saving by automation!
- Parts are automatically counted by mounters.



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### Please request for detailed product specification data prior to purchase

Volume resistivity stated on our EMI absorber flyer is meant for noise control parameters, where the absorber is considered a conductor, but not for insulation performance. Care should be taken when using absorbers. KITAGAWA INDUSTRIES America, Inc. makes no guarantees as to electrical resistivity values and accepts no liability due to short circuits where EMI absorbers are used directly on a PC Board or areas near high voltage such as for power. The products are designed for EMI noise reduction for electronics. This is not recommended for applications involving human life or extremely high accuracy. Prior to using the products in production, please verify their performance or adhesive strength of PSA for long term use. Avoid applying any external stress such as bending or high amounts of tension. Note when the absorber products are cut, bent, or pulled, there may be a possibility of creating cracks. For storage, keep products in a cool, dry, well-ventilated area at room temperature and avoid high temperatures, humidity, and direct sunlight.

Please contact the sales department at KITAGAWA INDUSTRIES America, Inc. for the use of our products prior to selecting the parts for your application.

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