

# On-Board EMC Grounding Contacts

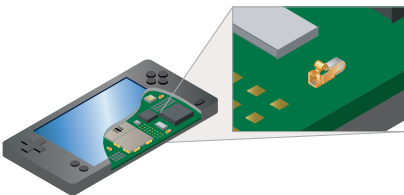
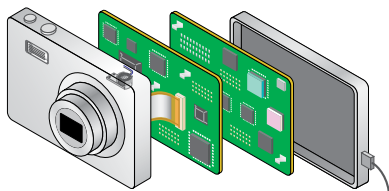


## SMT contacts for PCB-level EMC grounding, shielding, and ESD

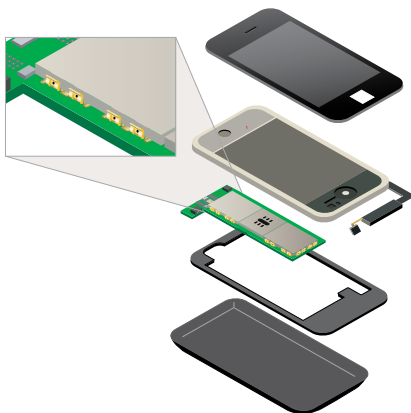
- Effective for suppressing emission and immunity reduction
- All EMC mitigation can be done at the board-level
- Space-saving and robust design
- Easy to incorporate even where screws are included
- Tape-and-reel design (SMT) allows for use with automated pick-and-place machine to increase efficiency and reduce manual labor

### Application examples

#### Grounding between two PCBs or PCB and enclosure



#### Grounding shielding cans with shield can clips



#### Look for the icon for automotive-grade parts!

- Automotive-grade means the parts are PPAP-ready (Level 3).
- Double-check the operating temperatures to ensure they meet your requirements.

## Test experiment: How to ground effectively

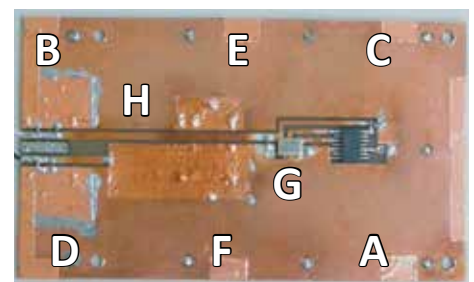
### Test PC board condition

#### Radiated emissions test

1. PCB with no grounding
2. PCB + four points ground (at A, B, C, D)
3. PCB + eight points ground (at A, B, C, D, E, F, G, H)

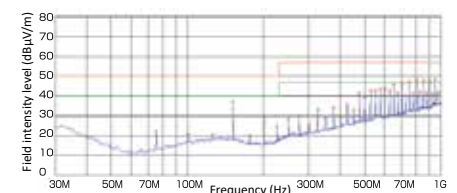
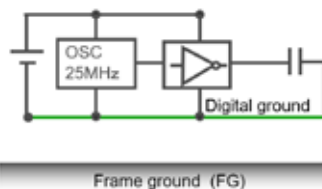


A ~ H indicate grounding points on PCB

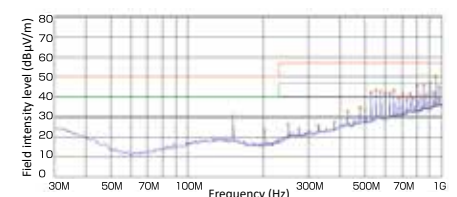
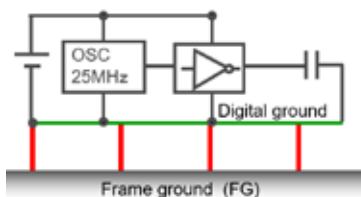


### Test results for radiated emissions

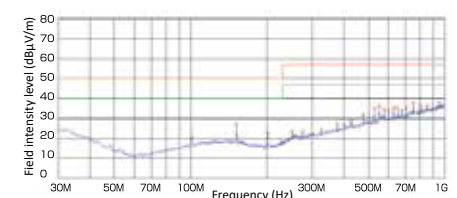
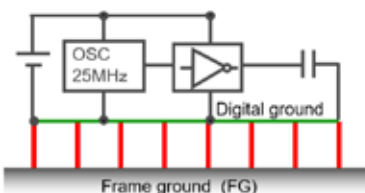
1. PCB with no grounding remains noisy, especially in the higher frequencies



2. With 4 grounding points, noise between 200 ~ 500MHz



3. With 8 grounding points, noise is dramatically reduced across the board.



\* Recommended EMC grounding pitch between two points is  $\frac{1}{6}$  the wavelength of the problematic frequency.



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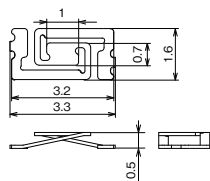
On-Board Grounding Contacts – Rev 12 – 04302021



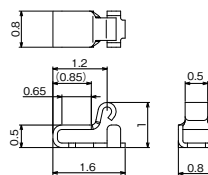
## OG Series: spring-loaded grounding contacts for board-to-board or board-to-metal connection

- Box structure designed to prevent damage and deformation of springs
- Can be included during the PCB design process or added afterwards without re-spinning the board
- Wide variety of sizes and heights to fit almost any gap space

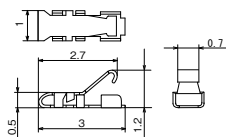
*\* Parts are listed in increasing order of recommended gap space (gap after compression).*



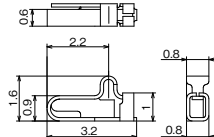
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| Part Number           | OG-321605       |
| Length                | 3.2mm           |
| Width                 | 1.6mm           |
| Height                | 0.5mm           |
| Recommended Gap       | 0.35mm or less  |
| Base Material         | Phosphor bronze |
| Surface Treatment     | Sn plating      |
| Quantity per Reel     | 4,000 pieces    |
| Operating Temperature | -40 ~ +85°C     |



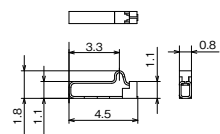
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| Part Number           | OG-160810          |
| Length                | 1.6mm              |
| Width                 | 0.8mm              |
| Height                | 1.0mm              |
| Recommended Gap       | 0.7 ~ 0.9mm        |
| Base Material         | Beryllium copper   |
| Surface Treatment     | Partial Au plating |
| Quantity per Reel     | 3,500 pieces       |
| Operating Temperature | -40 ~ +125°C       |



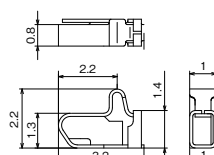
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| Part Number           | OG-301012          |
| Length                | 3.0mm              |
| Width                 | 1.0mm              |
| Height                | 1.2mm              |
| Recommended Gap       | 0.6 ~ 1.1mm        |
| Base Material         | Phosphor bronze    |
| Surface Treatment     | Partial Au plating |
| Quantity per Reel     | 8,000 pieces       |
| Operating Temperature | -40 ~ +85°C        |



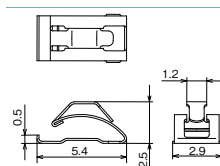
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| Part Number           | OG-320816          |
| Length                | 3.2mm              |
| Width                 | 0.8mm              |
| Height                | 1.6mm              |
| Recommended Gap       | 1.1 ~ 1.4mm        |
| Base Material         | Phosphor bronze    |
| Surface Treatment     | Partial Au plating |
| Quantity per Reel     | 8,000 pieces       |
| Operating Temperature | -40 ~ +85°C        |



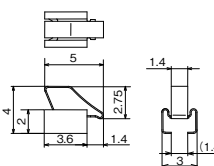
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| Part Number           | OG-450818          |
| Length                | 4.5mm              |
| Width                 | 0.8mm              |
| Height                | 1.8mm              |
| Recommended Gap       | 1.2 ~ 1.6mm        |
| Base Material         | Beryllium copper   |
| Surface Treatment     | Partial Au plating |
| Quantity per Reel     | 8,000 pieces       |
| Operating Temperature | -40 ~ +85°C        |



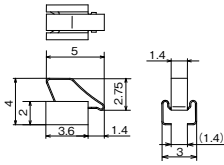
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| Part Number           | OG-321022          |
| Length                | 3.2mm              |
| Width                 | 1.0mm              |
| Height                | 2.2mm              |
| Recommended Gap       | 1.5 ~ 2mm          |
| Base Material         | Phosphor bronze    |
| Surface Treatment     | Partial Au plating |
| Quantity per Reel     | 7,000 pieces       |
| Operating Temperature | -40 ~ +125°C       |



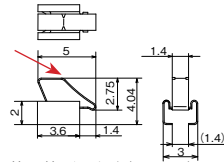
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| Part Number           | OG-542925          |
| Length                | 5.4mm              |
| Width                 | 2.9mm              |
| Height                | 2.5mm              |
| Recommended Gap       | 1.5 ~ 2.3mm        |
| Base Material         | Phosphor bronze    |
| Surface Treatment     | Partial Au plating |
| Quantity per Reel     | 5,000 pieces       |
| Operating Temperature | -40 ~ +125°C       |



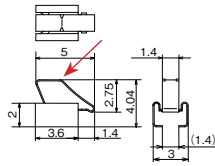
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| Part Number           | OG-363040        |
| Length                | 3.6mm            |
| Width                 | 3.0mm            |
| Height                | 4.0mm            |
| Recommended Gap       | 2.2 ~ 3.4mm      |
| Base Material         | Beryllium copper |
| Surface Treatment     | Sn plating       |
| Quantity per Reel     | 1,000 pieces     |
| Operating Temperature | -40 ~ +125°C     |



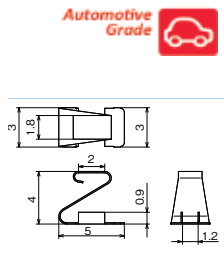
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| Part Number           | OG-363040G         |
| Length                | 3.6mm              |
| Width                 | 3.0mm              |
| Height                | 4.0mm              |
| Recommended Gap       | 2.2 ~ 3.4mm        |
| Base Material         | Beryllium copper   |
| Surface Treatment     | Partial Au plating |
| Quantity per Reel     | 1,000 pieces       |
| Operating Temperature | -40 ~ +85°C        |



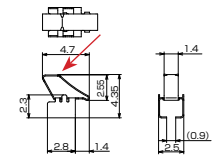
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| Part Number           | OG-363040HD      |
| Length                | 3.6mm            |
| Width                 | 3.0mm            |
| Height                | 4.04mm           |
| Recommended Gap       | 2.2 ~ 3.4mm      |
| Base Material         | Beryllium copper |
| Surface Treatment     | Sn plating       |
| Quantity per Reel     | 2,400 pieces     |
| Operating Temperature | -40 ~ +85°C      |



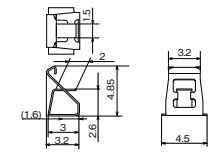
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| Part Number           | OG-363040HDR    |
| Length                | 3.6mm           |
| Width                 | 3.0mm           |
| Height                | 4.04mm          |
| Recommended Gap       | 2.2 ~ 3.4mm     |
| Base Material         | Phosphor bronze |
| Surface Treatment     | Sn plating      |
| Quantity per Reel     | 2,400 pieces    |
| Operating Temperature | -40 ~ +85°C     |



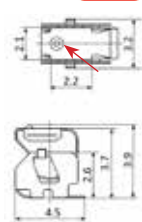
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| Part Number           | OG-503040        |
| Length                | 5.0mm            |
| Width                 | 3.0mm            |
| Height                | 4.0mm            |
| Recommended Gap       | 2.2 ~ 3.6mm      |
| Base Material         | Beryllium copper |
| Surface Treatment     | Sn plating       |
| Quantity per Reel     | 1,000 pieces     |
| Operating Temperature | -40 ~ +125°C     |



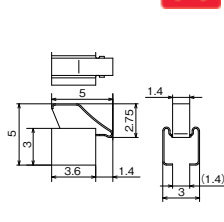
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| Part Number           | OG-282543HDR    |
| Length                | 2.8mm           |
| Width                 | 2.5mm           |
| Height                | 4.35mm          |
| Recommended Gap       | 2.5 ~ 3.9mm     |
| Base Material         | Phosphor bronze |
| Surface Treatment     | Sn plating      |
| Quantity per Reel     | 5,000 pieces    |
| Operating Temperature | -40 ~ +105°C    |



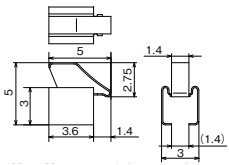
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| Part Number           | OG-453048       |
| Length                | 3.0mm           |
| Width                 | 4.5mm           |
| Height                | 4.85mm          |
| Recommended Gap       | 2.7 ~ 4.4mm     |
| Base Material         | Phosphor bronze |
| Surface Treatment     | Sn plating      |
| Quantity per Reel     | 2,000 pieces    |
| Operating Temperature | -40 ~ +125°C    |



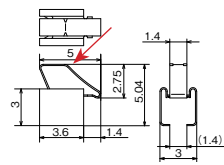
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| Part Number           | OG-453239-A      |
| Length                | 4.5mm            |
| Width                 | 3.2mm            |
| Height                | 3.9mm            |
| Recommended Gap       | 2.8 ~ 3.5mm      |
| Base Material         | Beryllium copper |
| Surface Treatment     | Sn plating       |
| Quantity per Reel     | 2,000 pieces     |
| Operating Temperature | -40 ~ +150°C     |



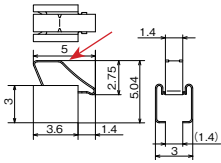
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| Part Number           | OG-363050        |
| Length                | 3.6mm            |
| Width                 | 3.0mm            |
| Height                | 5.0mm            |
| Recommended Gap       | 3.2 ~ 4.4mm      |
| Base Material         | Beryllium copper |
| Surface Treatment     | Sn plating       |
| Quantity per Reel     | 1,000 pieces     |
| Operating Temperature | -40 ~ +125°C     |



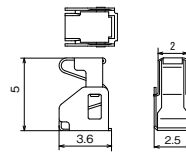
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| Part Number           | OG-363050G         |
| Length                | 3.6mm              |
| Width                 | 3.0mm              |
| Height                | 5.0mm              |
| Recommended Gap       | 3.2 ~ 4.4mm        |
| Base Material         | Beryllium copper   |
| Surface Treatment     | Partial Au plating |
| Quantity per Reel     | 1,000 pieces       |
| Operating Temperature | -40 ~ +85°C        |



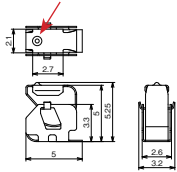
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| Part Number           | OG-363050HD      |
| Length                | 3.6mm            |
| Width                 | 3.0mm            |
| Height                | 5.04mm           |
| Recommended Gap       | 3.2 ~ 4.4mm      |
| Base Material         | Beryllium copper |
| Surface Treatment     | Sn plating       |
| Quantity per Reel     | 2,000 pieces     |
| Operating Temperature | -40 ~ +85°C      |



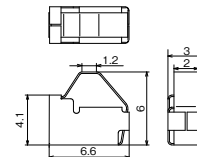
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| Part Number           | OG-363050HDR    |
| Length                | 3.6mm           |
| Width                 | 3.0mm           |
| Height                | 5.04mm          |
| Recommended Gap       | 3.2 ~ 4.4mm     |
| Base Material         | Phosphor bronze |
| Surface Treatment     | Sn plating      |
| Quantity per Reel     | 2,000 pieces    |
| Operating Temperature | -40 ~ +85°C     |



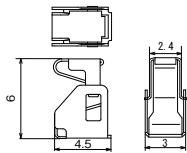
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| Part Number           | OG-362550       |
| Length                | 3.6mm           |
| Width                 | 2.5mm           |
| Height                | 5.0mm           |
| Recommended Gap       | 3.6 ~ 4.5mm     |
| Base Material         | Phosphor bronze |
| Surface Treatment     | Sn plating      |
| Quantity per Reel     | 2,000 pieces    |
| Operating Temperature | -40 ~ +125°C    |



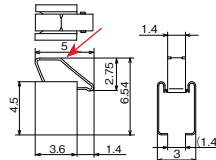
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| Part Number           | OG-503253-A      |
| Length                | 5.0mm            |
| Width                 | 3.2mm            |
| Height                | 5.25mm           |
| Recommended Gap       | 3.5 ~ 4.5mm      |
| Base Material         | Beryllium copper |
| Surface Treatment     | Sn plating       |
| Quantity per Reel     | 2,000 pieces     |
| Operating Temperature | -40 ~ +150°C     |



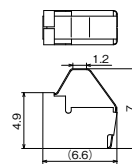
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| Part Number           | OG-603060       |
| Length                | 6.6mm           |
| Width                 | 3.0mm           |
| Height                | 6.0mm           |
| Recommended Gap       | 4.2 ~ 5.5mm     |
| Base Material         | Phosphor bronze |
| Surface Treatment     | Sn plating      |
| Quantity per Reel     | 850 pieces      |
| Operating Temperature | -40 ~ +125°C    |



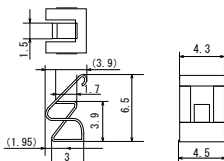
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| Part Number           | OG-453060       |
| Length                | 4.5mm           |
| Width                 | 3.0mm           |
| Height                | 6.0mm           |
| Recommended Gap       | 4.2 ~ 5.5mm     |
| Base Material         | Phosphor bronze |
| Surface Treatment     | Sn plating      |
| Quantity per Reel     | 1,500 pieces    |
| Operating Temperature | -40 ~ +125°C    |



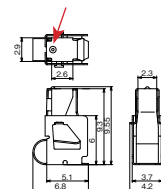
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| Part Number           | OG-363065HD      |
| Length                | 3.6mm            |
| Width                 | 3.0mm            |
| Height                | 6.54mm           |
| Recommended Gap       | 4.7 ~ 5.9mm      |
| Base Material         | Beryllium copper |
| Surface Treatment     | Sn plating       |
| Quantity per Reel     | 1,000 pieces     |
| Operating Temperature | -40 ~ +85°C      |



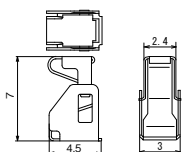
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| Part Number           | OG-603070       |
| Length                | 6.6mm           |
| Width                 | 3.0mm           |
| Height                | 7.0mm           |
| Recommended Gap       | 5 ~ 6.5mm       |
| Base Material         | Phosphor bronze |
| Surface Treatment     | Sn plating      |
| Quantity per Reel     | 750 pieces      |
| Operating Temperature | -40 ~ +125°C    |



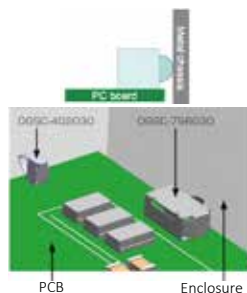
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| Part Number           | OG-453065       |
| Length                | 3.0mm           |
| Width                 | 4.5mm           |
| Height                | 6.5mm           |
| Recommended Gap       | 4.2 ~ 6.0mm     |
| Base Material         | Phosphor bronze |
| Surface Treatment     | Sn plating      |
| Quantity per Reel     | 1,500 pieces    |
| Operating Temperature | -40 ~ +125°C    |



|                       |                  |
|-----------------------|------------------|
| Part Number           | OG-684296        |
| Length                | 6.8mm            |
| Width                 | 4.2mm            |
| Height                | 9.55mm           |
| Recommended Gap       | 7.0 ~ 9.0mm      |
| Base Material         | Beryllium copper |
| Surface Treatment     | Sn plating       |
| Quantity per Reel     | 1,000 pieces     |
| Operating Temperature | -40 ~ +150°C     |

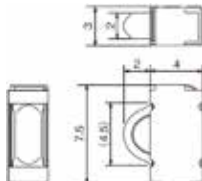


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| Part Number           | OG-453070       |
| Length                | 4.5mm           |
| Width                 | 3.0mm           |
| Height                | 7.0mm           |
| Recommended Gap       | 5.3 ~ 6.5mm     |
| Base Material         | Phosphor bronze |
| Surface Treatment     | Sn plating      |
| Quantity per Reel     | 1,500 pieces    |
| Operating Temperature | -40 ~ +125°C    |

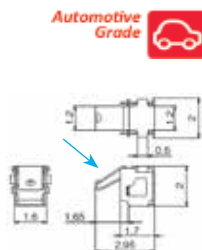


- Ideal for applications where EMC grounding to a board or chassis perpendicular to the PCB
- OGSC contacts can be placed on the edge of breakaway boards for ease of use

|                       |                 |
|-----------------------|-----------------|
| Part Number           | OGSC-756030     |
| Length                | 7.5mm           |
| Width                 | 6.0mm           |
| Height                | 3.0mm           |
| Recommended Side Gap  | up to 2mm       |
| Base Material         | Phosphor bronze |
| Surface Treatment     | Sn plating      |
| Quantity per Reel     | 2,000 pieces    |
| Operating Temperature | -40 ~ +85°C     |

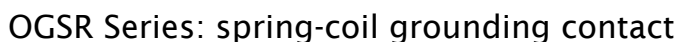


|                       |               |
|-----------------------|---------------|
| Part Number           | OGSC-T-302020 |
| Length                | 2.95mm        |
| Width                 | 2.0mm         |
| Height                | 2.0mm         |
| Recommended Side Gap  | 0.3 ~ 1.0mm   |
| Base Material         | Corson alloy  |
| Surface Treatment     | Sn plating    |
| Quantity per Reel     | 6,000 pieces  |
| Operating Temperature | -40 ~ +125°C  |



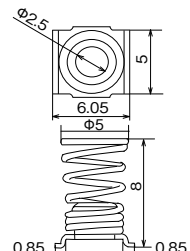
◇ OGSC-T-302020

Metal chassis inserted (slide down) from the **top** of the side contact



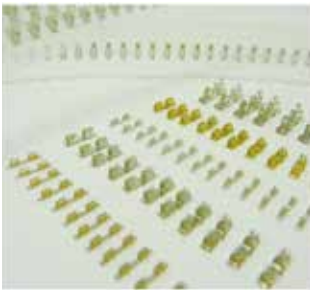
- Allows for easy installation and removal of shield cans - makes inspections and re-work a cinch
- Can maintain similar level of shielding effect as perimeter soldering
- Wide opening helps to align cans into place without crushing the clips

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| Part Number           | OGSR-506080                                          |
| Length                | 5.0mm                                                |
| Width                 | 6.0mm                                                |
| Height                | 8.0mm                                                |
| Recommended Gap       | 5.0~7.5mm                                            |
| Base Material         | Coil: piano wire<br>Base: brass                      |
| Surface Treatment     | Coil: partial Au plating<br>Base: partial Sn plating |
| Quantity per Reel     | 900 pieces                                           |
| Operating Temperature | -40 ~ +125°C                                         |

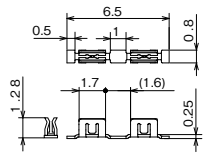


## OGCP Series: compact shielding can clips

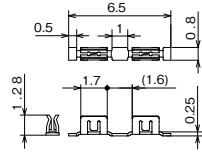
- Allows for easy installation and removal of shield cans - makes inspections and re-work a cinch
- Can maintain similar level of shielding effect as perimeter soldering
- Wide opening helps to align cans into place without crushing the clips



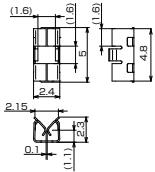
Side view of OGCP shield can clips



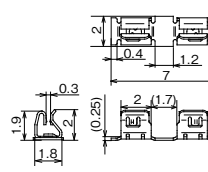
|                                  |                 |
|----------------------------------|-----------------|
| Part Number                      | OGCP-650813R    |
| Length                           | 6.5mm           |
| Width                            | 0.8mm           |
| Height                           | 1.28mm          |
| Recommended Shield-Can Thickness | 0.15 ~ 0.2mm    |
| Base Material                    | Phosphor bronze |
| Surface Treatment                | Sn plating      |
| Quantity per Reel                | 8,000 pieces    |
| Operating Temperature            | -40 ~ +125°C    |



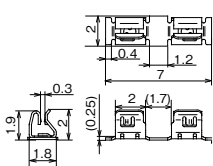
|                                  |                    |
|----------------------------------|--------------------|
| Part Number                      | OGCP-650813G       |
| Length                           | 6.5mm              |
| Width                            | 0.8mm              |
| Height                           | 1.28mm             |
| Recommended Shield-Can Thickness | 0.15 ±0.3mm        |
| Base Material                    | Titanium copper    |
| Surface Treatment                | Partial Au plating |
| Quantity per Reel                | 8,000 pieces       |
| Operating Temperature            | -40 ~ +85°C        |



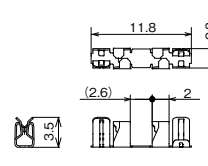
|                                  |                 |
|----------------------------------|-----------------|
| Part Number                      | OGCP-502423     |
| Length                           | 5.0mm           |
| Width                            | 2.4mm           |
| Height                           | 2.3mm           |
| Recommended Shield-Can Thickness | 0.28 ~ 0.56mm   |
| Base Material                    | Phosphor bronze |
| Surface Treatment                | Sn plating      |
| Quantity per Reel                | 6,000 pieces    |
| Operating Temperature            | -40 ~ +125°C    |



|                                  |                 |
|----------------------------------|-----------------|
| Part Number                      | OGCP-702020     |
| Length                           | 7.0mm           |
| Width                            | 2.0mm           |
| Height                           | 2.0mm           |
| Recommended Shield-Can Thickness | 0.3 ±0.2mm      |
| Base Material                    | Phosphor bronze |
| Surface Treatment                | Sn plating      |
| Quantity per Reel                | 9,000 pieces    |
| Operating Temperature            | -40 ~ +125°C    |



|                                  |                      |
|----------------------------------|----------------------|
| Part Number                      | OGCP-702020G         |
| Length                           | 7.0mm                |
| Width                            | 2.0mm                |
| Height                           | 2.0mm                |
| Recommended Shield-Can Thickness | 0.3 ±0.2mm           |
| Base Material                    | Phosphor bronze      |
| Surface Treatment                | Partial gold plating |
| Quantity per Reel                | 9,000 pieces         |
| Operating Temperature            | -40 ~ +125°C         |

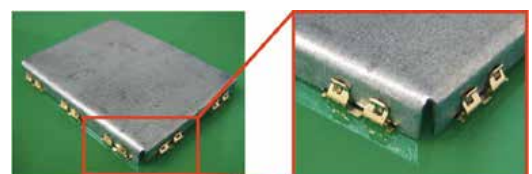
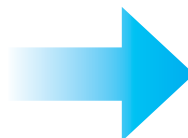


|                                  |                 |
|----------------------------------|-----------------|
| Part Number                      | OGCP-1182435    |
| Length                           | 11.8mm          |
| Width                            | 2.4mm           |
| Height                           | 3.5mm           |
| Recommended Shield-Can Thickness | 0.3 ±0.2mm      |
| Base Material                    | Phosphor bronze |
| Surface Treatment                | Sn plating      |
| Quantity per Reel                | 3,000 pieces    |
| Operating Temperature            | -40 ~ +85°C     |

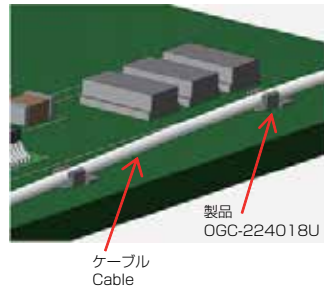
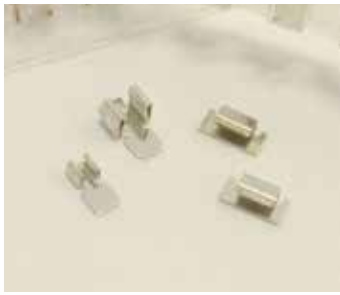
◇ How to use OGCP clips with shield-cans



Shield-can clips reflow soldered onto PCB



Install shield-cans with a machine or jig to avoid inserting the can on an angle.

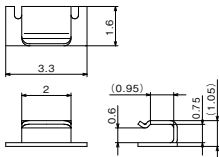


## OGC Series: on-board wire management clips

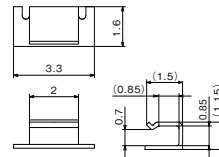
- Designed to manage thin cables on the PC board
- For EMC grounding, a metal ferrule can be used in conjunction with the OGC clamp
- Side or top insertion options



### Side-Insertion OGC Clips

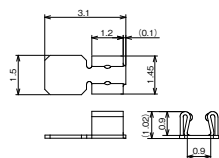


| Part Number              | OGC-331610      |
|--------------------------|-----------------|
| Length                   | 3.3mm           |
| Width                    | 1.6mm           |
| Height                   | 1.0mm           |
| Applicable Wire Diameter | Ø 0.8mm         |
| Base Material            | Phosphor bronze |
| Surface Treatment        | Sn plating      |
| Quantity per Reel        | 3,000 pieces    |
| Operating Temperature    | -40 ~ +85°C     |

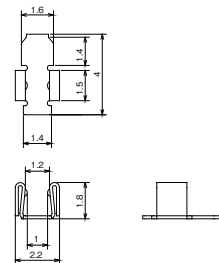


| Part Number              | OGC-331612      |
|--------------------------|-----------------|
| Length                   | 3.3mm           |
| Width                    | 1.6mm           |
| Height                   | 1.2mm           |
| Applicable Wire Diameter | Ø 0.86mm        |
| Base Material            | Phosphor bronze |
| Surface Treatment        | Sn plating      |
| Quantity per Reel        | 2,500 pieces    |
| Operating Temperature    | -40 ~ +85°C     |

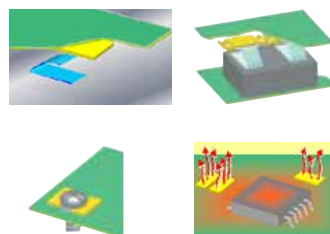
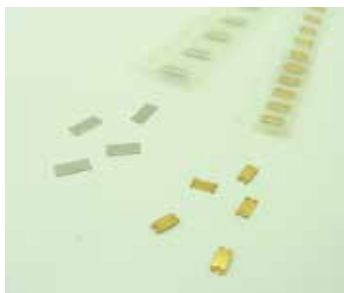
### Top-Insertion OGC Clips



| Part Number              | OGC-311510U     |
|--------------------------|-----------------|
| Length                   | 3.1mm           |
| Width                    | 1.5mm           |
| Height                   | 1.0mm           |
| Applicable Wire Diameter | Ø 0.8mm         |
| Base Material            | Phosphor bronze |
| Surface Treatment        | Sn plating      |
| Quantity per Reel        | 3,000 pieces    |
| Operating Temperature    | -40 ~ +85°C     |

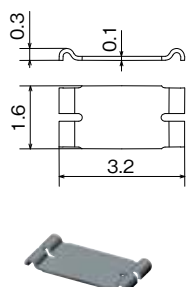


| Part Number              | OGC-224018U     |
|--------------------------|-----------------|
| Length                   | 2.2mm           |
| Width                    | 4.0mm           |
| Height                   | 1.8mm           |
| Applicable Wire Diameter | Ø 1.3~1.4mm     |
| Base Material            | Phosphor bronze |
| Surface Treatment        | Sn plating,     |
| Quantity per Reel        | 7,000 pieces    |
| Operating Temperature    | -40 ~ +85°C     |

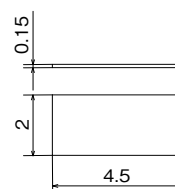


## OGP Series: on-board plates for reliable spot grounding

- Eliminates problems due to poor contact from solder flux
- Ensures stable electrical contact and reinforcement for EMC grounding
- Eliminates the need to coat the entire PCB with expensive metals (conductive surface only where necessary)
- If used alone, may act as a small heat spreader or sub as a washer around screws



| Part Number           | OGP-3216     |
|-----------------------|--------------|
| Length                | 3.2mm        |
| Width                 | 1.6mm        |
| Height                | 0.3mm        |
| Thickness             | 0.1mm        |
| Base Material         | Brass        |
| Surface Treatment     | Au plating   |
| Quantity per Reel     | 5,000 pieces |
| Operating Temperature | -40 ~ +85°C  |

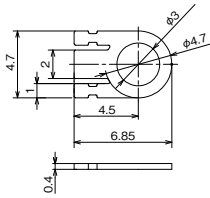


| Part Number           | OGP-4520     |
|-----------------------|--------------|
| Length                | 4.5mm        |
| Width                 | 2.0mm        |
| Height                | 0.15mm       |
| Thickness             | 0.15mm       |
| Base Material         | Brass        |
| Surface Treatment     | Sn plating   |
| Quantity per Reel     | 3,000 pieces |
| Operating Temperature | -40 ~ +85°C  |

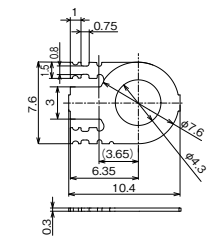


## OG-R Series: Lug terminals for grounding around screws

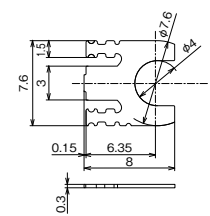
- Specifically designed to use at screw points to stabilize electrical grounding
- Helps to prevent loss of EMC grounding due to loosened screws



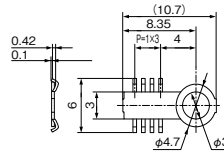
|                       |              |
|-----------------------|--------------|
| Part Number           | OG-RM26      |
| Screw Hole Size       | M3           |
| Material Thickness    | 0.4mm        |
| Base Material         | Brass        |
| Surface Treatment     | Sn plating   |
| Quantity per Reel     | 8,000 pieces |
| Operating Temperature | -40 ~ +85°C  |



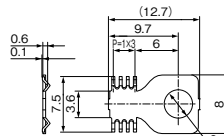
|                       |                    |
|-----------------------|--------------------|
| Part Number           | OG-RM30F           |
| Screw Hole Size       | M4                 |
| Material Thickness    | 0.3mm              |
| Base Material         | Tough pitch copper |
| Surface Treatment     | Sn plating         |
| Quantity per Reel     | 3,000 pieces       |
| Operating Temperature | -40 ~ +85°C        |



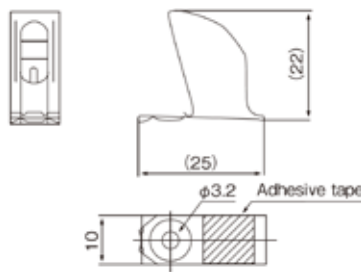
|                       |                    |
|-----------------------|--------------------|
| Part Number           | OG-RM30HF          |
| Screw Hole Size       | M4                 |
| Material Thickness    | 0.3mm              |
| Base Material         | Tough pitch copper |
| Surface Treatment     | Sn plating         |
| Quantity per Reel     | 3,000 pieces       |
| Operating Temperature | -40 ~ +85°C        |



|                       |                    |
|-----------------------|--------------------|
| Part Number           | OG-R26 SN          |
| Screw Hole Size       | M3                 |
| Material Thickness    | 0.1mm              |
| Base Material         | Tough pitch copper |
| Surface Treatment     | Sn plating         |
| Quantity per Reel     | 2,000 pieces       |
| Operating Temperature | -40 ~ +85°C        |



|                       |                    |
|-----------------------|--------------------|
| Part Number           | OG-R30 SN          |
| Screw Hole Size       | M4                 |
| Material Thickness    | 0.1mm              |
| Base Material         | Tough pitch copper |
| Surface Treatment     | Sn plating         |
| Quantity per Reel     | 2,000 pieces       |
| Operating Temperature | -40 ~ +85°C        |



## HPC Series: High-point contact for large gaps

- Very tall profile to fit gap spaces from 10~20mm
- Spring design maintains electrical contact after compression
- M3 screw can be used to secure in place
- Tape-mount option available (HPC-10-20T)

|                       |                 |
|-----------------------|-----------------|
| Part Number           | HPC-10-20       |
| Recommended Gap       | 10 ~ 20mm       |
| Screw Hole Size       | M3              |
| Base Material         | Stainless steel |
| Quantity per Box      | 100 pieces      |
| Operating Temperature | -40 ~ +85°C     |

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