1500 series Clip-on EMI shielding cans for PCBs

Introduction
EMI screening covers (shielding cans) for PCBs were developed to shield only certain parts of electronic equipment from electromagnetic radiation at the source, rather than all of the components in the entire housing.

EMI shielding cans are available in standard sizes, or can be produced customized within a few days.

Whether it is for a small number of prototypes or large production runs, we can manufacture the precision components you require.

1500 Clip-on shielding system

This EMI/RFI shielding system for PCBs combines small pins or clips with a removable lid (PCB shielding can), which results in high-quality EMI/RFI shielding.

Advantages
- Less space taken up on the board
- Flexible clip positioning, making the Clip-on system 1500 an excellent solution for series of 1 – 10,000 pieces
- For heavy-duty applications, the lid can also be secured by soldering it to the clips and some of the pins.
- Many different clips and pins are available for mounting the PCB shielding can to the PCB.

Link to clips and pins for shielding cans.

Clip-on shielding system is available with a removable lid or cooling holes

Clip-on shielding system is available in almost any shape and dimension, also with logo
1500 series Clip-on EMI shielding cans for PCBs

Designtips for PCB shielding cans

These tips can be used in the design of your PCB shielding cover.

1. If you have two neighboring sources of interference you can also place two PCB shielding cans right next to each other, making the shieldings into one large can.

2. To prevent short-circuiting, it is possible to make a recess area’s in the PCB shielding can.

3. If the source of radiation or interference produces much heat, it would be wise to make ventilation holes in the shielding can.

4. If you are afraid that vibrations or movements will set the PCB shielding can free from the RF shielding clips, then you can fix the PCB shielding can with a spud. To do this, you will need holes on the right places in the design of your PCB and your PCB shielding can.

5. If you are afraid that vibrations or movements will set the PCB shielding can free from the RF shielding clips, then you can also place a piece of soft compressable foam between the PCB and the housing of the device. For electric discharge, you can use an EMI gasket or an electrically conductive foam as well.
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PCB shielding can options (on request)

Our standard PCB shielding cans are closed completely with the exception of the bottom of course. However, we can make many alterations to our PCB shielding cans to meet your specifications, such as: holes in any desired diameter for the passage of cables, higher angles on the PCB shield, allowing the can to be soldered directly onto the PCB (no need for mounting clips or pins anymore) or a self-adhesive removable top cover. The option for alterations apply to general features as well: it is possible to produce our PCB shielding cans in virtually any type, shape or size.

1. Solder direct onto PCB “Solder land” (Also, see our 1510 series Fixed PCB shielding cans, the same as the 1500 series Clip-on PCB shielding cans, but with teeth in order to glue the can onto the PCB. No clips are needed for mounting).

2. Holes and connections

3. Open top / Sticker on top (Sticker made out of our 3201 series Mu copper tape)

4. Partially open top

5. L-shape PCB shielding can with slightly opened corner Standard shielding cans, part numbers

(Sticker made out of our 3201 series Mu copper tape)
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Partnumbers

NOTE: Custom sizes and shapes can be produced on request and according to your drawing. Send your drawing to request a quote for a custom shape to info@hollandshielding.com.

### Square PCB shielding cans (height 1 to 15 mm)

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### Rectangular PCB shielding cans (1 to 15 mm height)

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Large production runs
For large production runs (above 10,000 pieces) it is possible to deliver the 1500 series PCB shielding cans on tape or on reel.

PCB shielding cans Order example + technical drawing
Please keep in mind: dimensions you specify are outside dimensions. Thickness of the material is standard 0.12 mm, optionally 0.18 mm. For example, when you order a 1500 series Clip-on shielding can of 20 x 20 x 10 mm, the inside dimensions will be 19.76 x 19.76 x 9.88 mm.

![Diagram of PCB shielding can](image)

Technical Datasheet

Material | Outer dimension (A) | Outer dimension (B) | Outer dimension (C) | Inner dimension (A) | Inner dimension (B) | Inner dimension (C) |
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<td>Mu-copper 0.18 mm</td>
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