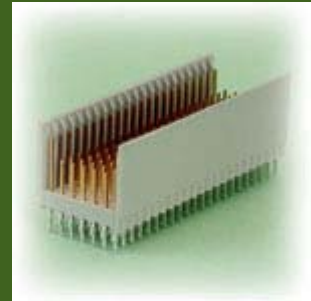




Welcome to Oupiin America Inc.

Oupiin has been a major connector manufacturer since 1977, with factories in Taiwan and China. Our automated manufacturing process is integrated with a rigorous quality control system. By combining precision equipment with a highly skilled and motivated staff committed to perfection. We can provide excellent and reliable products at a competitive price. In fact it is our continual emphasis on quality control that has awarded us the distinction of being ISO9001:2000 and ISO14001.

Pressfit backplane connectors have many benefits compared to solder joints, such as resistance to temperature changes, shock, and vibration. Pressfit backplane connectors enable improved impedance across all positions (favorable high-frequency properties) and compensation for plated through-hole irregularities. Use of pressfit connectors places no thermal stress on the printed circuit board (PCB), and removes the worry that fumes, gases, flux residue, or solvents can penetrate the solder joint. They solve the problem of cold solder joints, shorts as a result of solder bridging, and solder interference on long-tail connectors. All of the above has now been amplified with RoHS. Finally, application of the pressfit connector to the board can be quickly and reliably accomplished with simple insertion tools. Pressfit connectors are serviceable and replaceable like single contacts. All major and many minor connector manufacturers have developed "pressfit zones" that are incorporated into high-speed stamping methods. All of the compliant pins maintain a tolerance to provide the insertion and retention force parameters within the force range specified for the given through-hole diameter and composition. The IEEE, IEC, and DIN 41612 standards typically define these specifications, and the connector manufacturers comply, offering the information online and in printed catalogs and data sheet. Oupiin uses an eye of the needle contact design which is the preferred style by



In this issue, I would like to point out Press Fit connectors and the advantages in using them, in addition to the scope of product Oupiin currently offers.

Below you find links to our webpage, where you can download our specifications covering some of the items we have covered in this article.

Specifications for

[DIN41612, Futurebus and Hard Metric](#)

[Twinap Press Fit Contact](#)

[All Hardware and Tooling](#)

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assembly houses.

The rationale for using press-fit, rather than solder, is four-fold:

1. Back-planes are thick, heavy boards and it is difficult to get the surface hot enough to solder without doing damage.
2. Specifications normally require solder to be visible on both sides of a through-hole PCB and, although capillary action pulls solder into the hole, this mechanism is limited to a rise of about 3 mm, which may be insufficient for a thick board.
3. Connectors are usually multiple way, and their removal by reflowing all the solder joints is difficult to achieve without damage.
4. It is useful to have a bare wire spill for further connections (for example, wire wrap).

In addition to 9001 (DIN41612) and 9111 (Hard Metric / Futurebus) connectors we offer the following Board to Board styles in press fit.

2011-1, 2, 3 Strip Headers and 2012-1, 2, 3 Stacking Strip Headers
3011 and 3012 Box Headers
2042-1, 2, 2044-1, 2, 3, 2046 and 2047-1, 2, 3 PCB sockets
7905 D-sub

*1=single row, 2=double row and 3=triple row

RoHS-DECA/BDE and Reach Certificate's

Below you will find links to our webpage, where we have posted all our certificates covering the directives for you to download.

Please bookmark and use them anytime you find a need.

[Rohs COC](#)
[Reach-SVHC **Updated 6/3/2010**](#)
[DECA/BDE](#)
[Link to main page for all products](#)

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