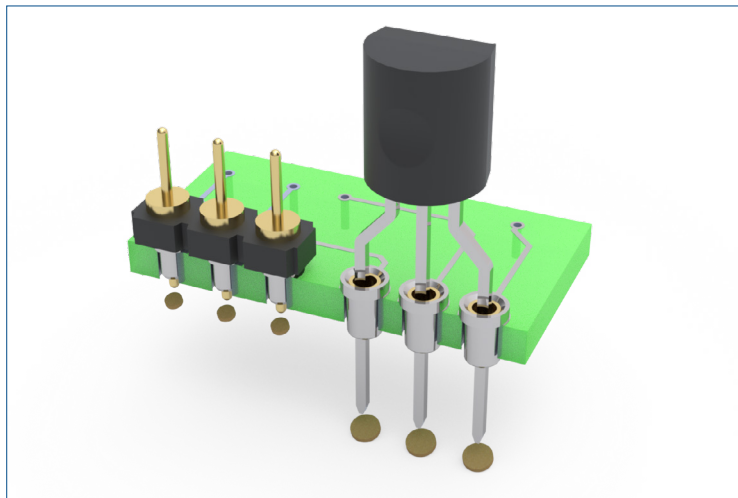


# MAXIMUM SOLUTIONS

## Mill-Max Expands Organic Fibre Plug® Receptacle Lineup

*Open bottom receptacles with solder barrier ideal for high volume, compact assemblies*



Mill-Max announces versatile additions to our organic fibre plug (OFP®) receptacle line, covering a wide range of lead sizes and offering early engagement/dual entry capability. The OFP® prevents contamination of the critical contact area during assembly and reflow soldering of the receptacle onto the printed circuit board while providing a high reliability and compact connection.

Receptacles are widely used in electronic assemblies to make pluggable connections on circuit boards. They are available in a variety of styles to suit almost any situation. OFP® receptacles are unique in that they are open bottom receptacles, meaning leads can pass through them, while the vital contact area is protected by the organic fibre plug during the assembly process and then knocked out when the lead is plugged in. They are ideal in interconnect scenarios such as board stacking, where a long header pin can connect multiple boards through the open bottom OFP® receptacles; using long leaded devices without trimming; and, thanks to tape & reel packaging, they can be added to surface mount PCBs at the same time as the SMT components. The tape & reel packaging is essential for high volume production and the minimal length of these parts make them a perfect fit for compact packaging requirements.

Mill-Max is introducing four new OFP® receptacles, three of which are characterized by having early engagement, dual entry internal contacts. These receptacles are an excellent choice for mating with short pins to create low profile assemblies or for situations in which a component must be assembled from the bottom side of the board, utilizing the dual entry feature of the contact. The fourth receptacle employs a wide pin acceptance range, .025" - .037" (.635 - .94 mm), low force contact. All are available in bulk or tape & reel packaging. The standard plating option has a matte tin finish on the shell and 30 micro inches gold plating on the contact.

Part Number	Pin Acceptance Range	Early Engagement/Dual Entry
0369-0-XX-80-31-27-10-0	.018" - .023" (.46- .584 mm)	Yes
0374-0-XX-80-42-27-10-0	.059" - .063" (1.5 – 1.6 mm)	Yes
0380-0-XX-80-48-27-10-0	.037" - .043" (.94 – 1.1 mm)	Yes
4280-0-XX-80-47-27-10-0	.025"-.037" (.635- .94 mm)	No

*Note: XX = 67 for tape & reel packaging; XX = 43 for bulk packaging*

Contact our technical services staff to discuss your application and how we may be able to address your needs.

For more information, please visit [www.mill-max.com/PR712](http://www.mill-max.com/PR712).

#### **About Mill-Max**

Mill-Max is the leading US manufacturer of machined interconnect components with a vertically integrated manufacturing facility headquartered at 190 Pine Hollow Rd., Oyster Bay, NY 11771. Its full product line includes spring-loaded connectors, SIP, DIP, PGA and BGA sockets, board-to-board interconnects and pin headers, surface mount and custom products, PCB pins and receptacles, solder terminals, wrapost receptacles and terminals. The company's complete manufacturing facility includes engineering, tooling, primary and secondary machining, stamping, plating, injection molding, and assembly.

