



Mill-Max Introduces Versatile, High Current Contact

Receptacles offering a wide acceptance range, low force and high current capability

Oyster Bay, NY, 19 November 2024 – Mill-Max Manufacturing Corp., Inc. announces the widespread release of our # 36 contact, a unique contact designed to accept a wide range of lead sizes, while providing low insertion force and high current carrying capacity. The receptacles assembled with the # 36 contact are produced in a variety of termination styles to address the many interconnect requirements typically found in electronic assemblies.

The Mill-Max # 36 contact accepts lead diameters of .022" - .042" (.56 mm – 1.07 mm), with initial insertion force averages ranging from 180 grams at the low end to 560 grams at the top of the acceptance range. The relatively low force for these contacts makes for easier mating and de-mating of multi-pin connections. The wide acceptance range enables them to be used across applications for power and signal connections, simplifying receptacle choice, reducing the variety of components on your bill of materials and allowing for uniform mounting hole layouts. The unique design of this four-finger contact allows it to stand out for its compliancy across the entire pin acceptance range; meaning the contact can alternate accepting the largest lead followed by the smallest lead while maintaining a reliable electrical connection.

Along with wide range and low force, these receptacles exhibit low contact resistance, 4 - 10 milliohms, and high current carrying capacity, 16 amps max, 12.8 amps de-rated, making them ideal for use in connector and cable assemblies or as PCB jacks for power connections in a wide range of applications from communications equipment to pumps, fans, DC motors and industrial control equipment.

Mill-Max is offering eight receptacles assembled with the # 36 contact with termination styles including through-hole solder mount, press-fit for plated through holes, surface mount, and wire termination, see the table below for details. All except the 0479 fibre plug style have gold plating on the shell and 30 micro inches gold plating on the contact, the 0479 has a matte tin shell finish.

MILL-MAX MFG. CORP.

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Part Number	Description/ Termination Style	Part Number	Description/ Termination Style
0312-0-15-15-36-27-10-0	Open bottom, through hole solder mount	0479-0-XX-80-36-27-10-0	Open bottom, fibre plug, through hole, solder mount
0327-0-15-15-36-27-10-0	Closed bottom, through hole solder mount	0639-0-15-15-36-27-10-0	Zero profile, open bottom, press-fit for plated hole
0328-0-15-15-36-27-10-0	Closed bottom, press-fit for plated hole	0740-0-18-15-36-27-10-0	Solder cup with press-fit for non-plated hole
0405-0-15-15-36-27-04-0	Solder tail, through hole mount	8206-0-15-15-36-27-40-0	Surface mount

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/PR713.

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.