



# PRODUCT OVERVIEW

## Compliant Body Receptacles



# Introduction

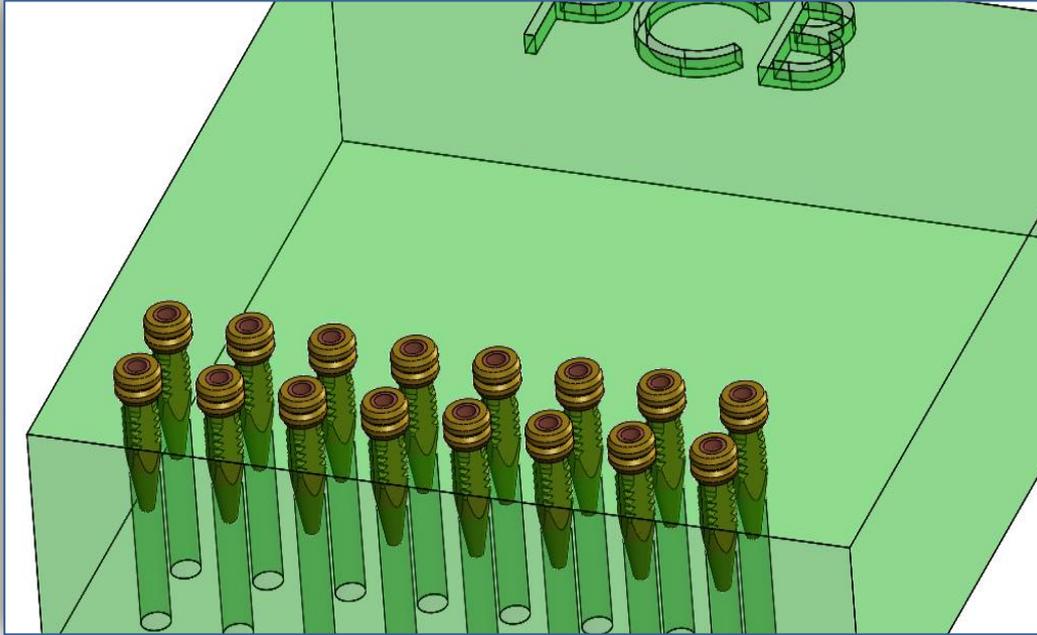
Featuring the Mill-Max #10 or #11 contact clip, rated at 2 amps, this receptacle is ideal for socketing devices with miniature .010" - .020" (0,25 - 0,51 mm) component leads.

- Compliant press-fit body for .041" - .044" (1,04 - 1,12 mm) mounting holes in FR-4
- Discrete socket for miniature device leads between .010" - .020" (0,25 - 0,51 mm) in diameter
- Sleek bullet-shaped body for easy board assembly
- Wide-mouth countersink opening to guide device pin into the receptacle
- Available in bulk or can be packaged on Kapton film
- RoHs compliant, gold plated shell and inner MM#10 or MM#11 contact clip



*Inside each receptacle is a beryllium copper contact clip which makes an aggressive bite into the mating pin surface for excellent retention and reliable electrical connection properties.*

# Application

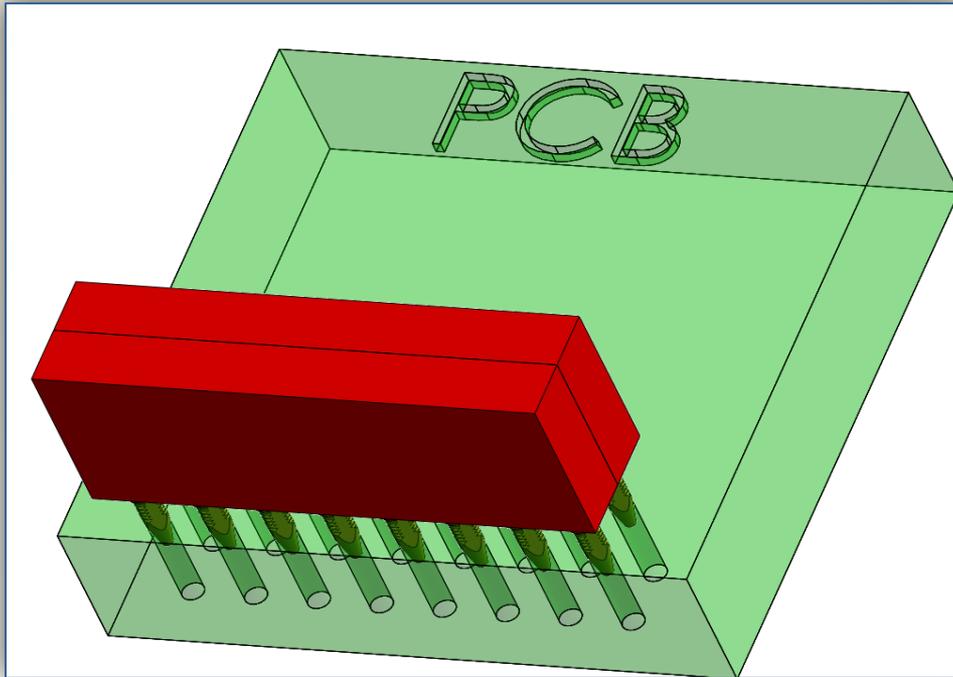


*16 low profile, solderless press-fit MM 4994-0-15-15-11-27-10-0 compliant body receptacles placed into a .250" (6,35mm) thick PCB backplane to eliminate soldering operations.*

Thick PCBs are difficult to solder due to thermal heat sinking of inner planes. Note that unlike a solder tail device which must protrude through the bottom of the PCB for soldered termination, a press-fit receptacle needs only to embed and make a secure connection with the inner copper wall. Solderless press-fitting eliminates the need for rework due to cold solder joints.

Manufactured using Brass Alloy on high-speed precision screw machines, this receptacle is gold plated on both the shell and contact surfaces for optimal conductivity and highest quality.

# Application



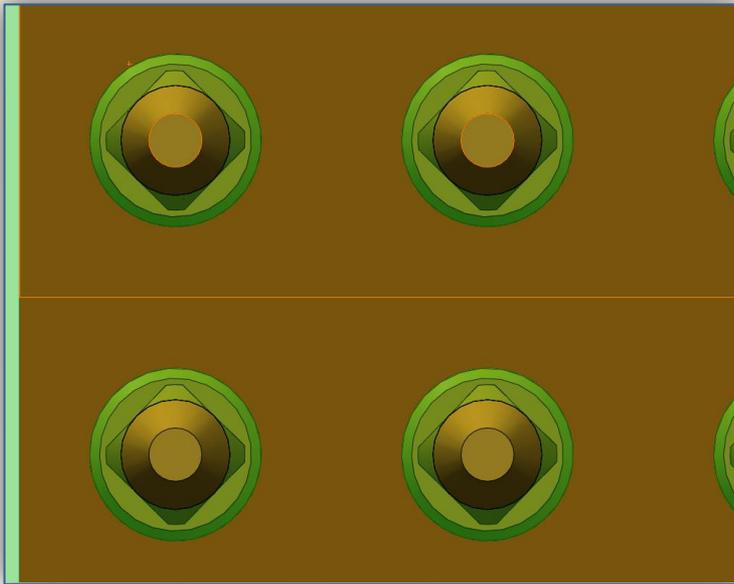
*Two 8 position SIP devices inserted into MM 4994-0-15-15-11-27-10-0 Compliant Body Receptacles. No soldering is required.*

Socket receptacles not only provide a reliable interconnection to the PCB, but allow for device replacement and upgradeability.

The sleek bullet-shaped body assists in centering the receptacle into mounting holes, and the shell features a wide-mouth countersink entry to guide delicate device leads inside.

# Application

These leading edge technology compliant body receptacles are ideally designed for solderless press-fit assembly into plated through and non-plated through holes ( drilled to starting hole sizes between 040 to .0433 in diameter).



*View of 4994 compliant barrel from bottom side of PCB .*



*Sleek bullet nose designed to assist pin self-centering during solderless press-fit assembly.*

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