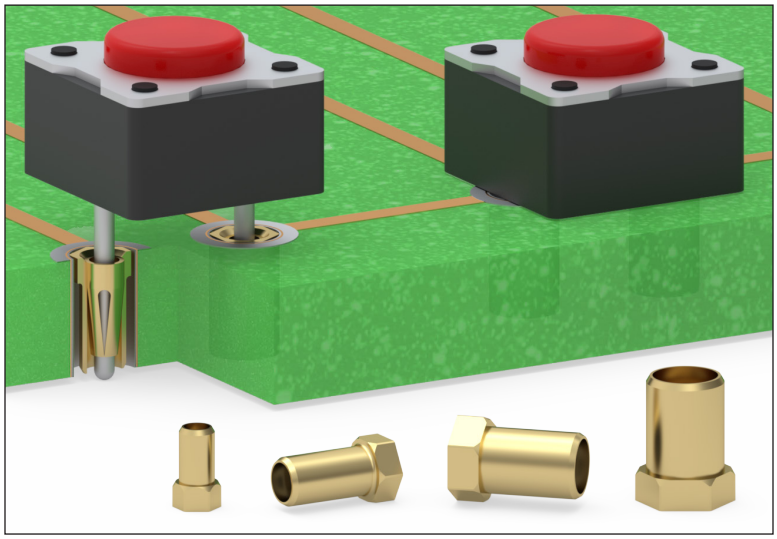
MAXIMUM SOLUTIONS

Mill-Max Zero Profile Press-Fit Receptacles Keep Components Flush

Solderless press-fit receptacles for flush mounting in PCB's



Mill-Max announces a new line of solderless press-fit receptacles delivering flush mount solutions for achieving the lowest profile connections possible. Mill-Max now offers even more variety by adding 10 new receptacles capable of accepting a broad range of mating lead diameters to suit a variety of interconnect requirements, all while maintaining a zero above board profile.

The ongoing pursuit to reduce product and/or package size presents challenges for making connections between PCB's and devices. With the zero profile receptacles, Mill-Max has eliminated any above-board connector protrusion, enabling overall package height to be reduced. These receptacles have a precision machined, hexagon shaped flange which is pressed into the PCB plated through hole until flush with the surface of the board. No soldering is required as the press-fit forms a gas-tight connection with a properly specified plated through hole. After installation, the zero profile PCB contacts enable a broad range of devices to be plugged in while minimizing overall interconnect height. They may be used on both traditional and rigid backed flex PCB's.

The smallest of the receptacles has a lead acceptance range of just .008"- .013" (,2- ,33 mm) diameter while the largest accepts .045"- .065" (1,14 – 1,65 mm). All the receptacles have an open bottom to allow leads to pass through and are designed to have a minimal overall length; useful features for low profile board stacking applications. The open bottom eliminates the need for precise lead trimming.

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516-922-6000 • Fax: 516-922-9253 • www.mill-max.com

Each receptacle is precision machined from brass alloy and is fitted with a highly reliable multi-finger beryllium copper contact. The standard plating for these receptacles is 10 u" gold on the shell and 30 u" gold on the contact to ensure the highest conductivity, corrosion resistance and durability. The gold plating on the shell also eliminates any issues with material skiving leading to bridging during press-fit into the PCB.

For more information, please www.mill-max.com/PR690.

(PR690, 01/19)

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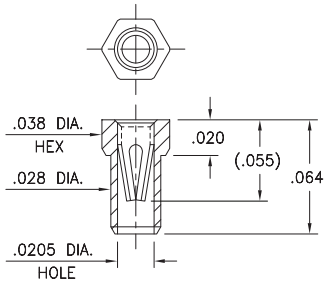
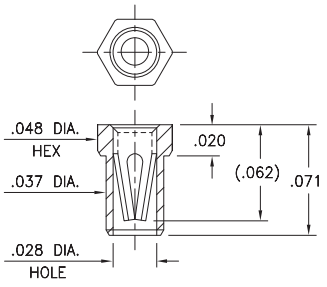
PIN RECEPTACLES

ZERO PROFILE SOLDERLESS PRESS-FIT RECEPTACLES
(SEE SPECIFIC CONTACT RANGE ON PAGES 250 - 260)

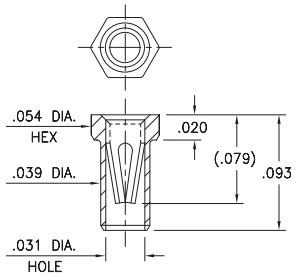
0621
0621-0-15-XX-04-XX-10-0
Recommended drilled hole size: .039 (0,99mm)
#04 Contact for Ø .008" - .013" pins



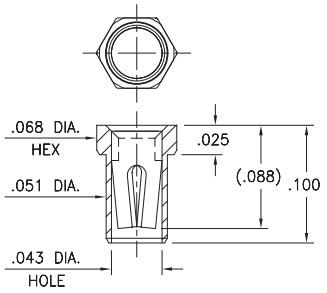
0624
0624-0-15-XX-10-XX-10-0
Recommended drilled hole size: .0492 (1,25mm)
#10 Contact for Ø .012" - .017" pins



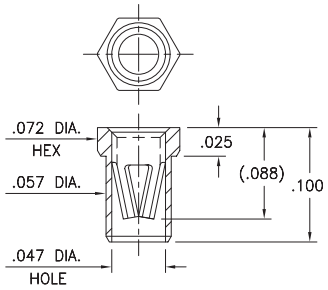
0627
11or
0627-0-15-XX-21-XX-10-0
Recommended drilled hole size: .0551 (1,4mm)
#11 Contact for Ø .015" - .020" pins
#21 Contact for Ø .015" - .022" pins



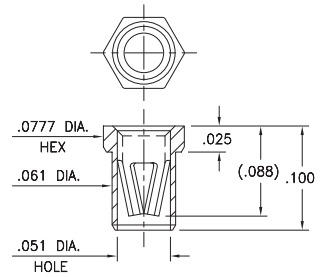
0630
0630-0-15-XX-30-XX-10-0
Recommended drilled hole size: .0689 (1,75mm)
#30 Contact for Ø .015" - .025" pins



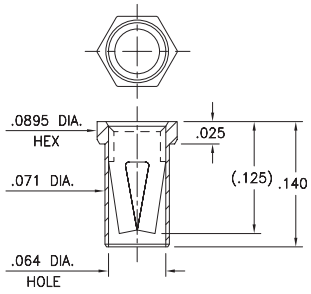
0633
0633-0-15-XX-15-XX-10-0
Recommended drilled hole size: .0728 (1,85mm)
#15 Contact for Ø .020" - .032" pins



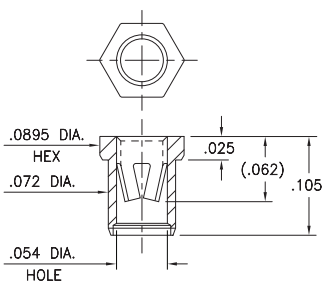
0636
16or
0636-0-15-XX-47-XX-10-0
Recommended drilled hole size: .0787 (2mm)
#16 For Ø .022" - .034" pins and .025" square
#47 For Ø .025" - .037" pins and .025" square



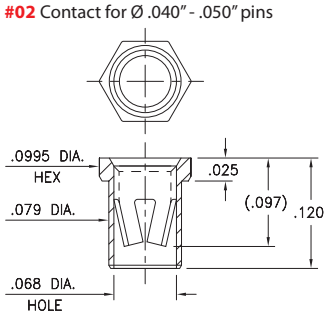
0639
0639-0-15-XX-34-XX-10-0
Recommended drilled hole size: .0906 (2,3mm)
#34 Contact for Ø .032" - .046" pins



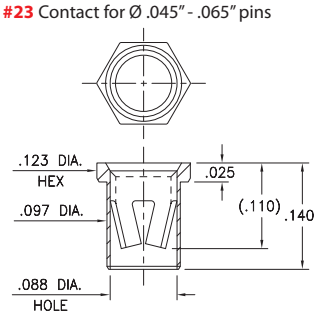
0642
0642-0-15-XX-18-XX-10-0
Recommended drilled hole size: .0906 (2,3mm)
#18 Contact for Ø .037" - .043" pins



0645
0645-0-15-XX-02-XX-10-0
Recommended drilled hole size: .1004 (2,55mm)
#02 Contact for Ø .040" - .050" pins



0648
0648-0-15-XX-23-XX-10-0
Recommended drilled hole size: .124 (3,15mm)
#23 Contact for Ø .045" - .065" pins



SPECIFICATIONS:

Shell Material: Brass Alloy 360, 1/2 Hard

Contact Material: Beryllium Copper Alloy 172, HT

Dimensions: Inches

Tolerances On: Lengths: ± .005
Diameters: ± .002
Angles: ± 2 °

RoHS-2 2011/65/EU

ORDER CODE: 06XX - X - 15 - XX - XX - XX - 10 - 0

BASIC PART #

SPECIFY SHELL FINISH:
◆ **15** 10 µ" GOLD OVER NICKEL (RoHS)

SPECIFY CONTACT FINISH:
◆ **27** 30 µ" GOLD OVER NICKEL (RoHS)

SELECT CONTACT:
SEE PART NUMBER FOR SPECIFIC CONTACT CALLOUT (Data on pages 250-260)
(For alternate contact choices, see part number information)