

MAXIMUM SOLUTIONS

Mill-Max Introduces Discrete Insulated Pins and Receptacles



Mill-Max is pleased to announce a new selection of insulated terminals. Six popular Mill-Max pins and receptacles have been fitted with cylindrical insulating sleeves for electrical isolation applications. The new offerings include three header pins, two receptacles and one solder cup pin to suit a variety of uses.

Insulated terminals are used to electrically isolate single pin interconnects from surrounding conductive components or elements in an assembly. The plastic sleeve provides insulation of the terminal for such applications where the pin/receptacle must pass through a conductive housing without coming in contact with it or where a pin/receptacle, installed on a board, needs to be protected from nearby conductive components. The sleeve also facilitates the handling of small, individual terminals and can provide mechanical support for pins mounted on or through printed circuit boards.

Here is the part number breakdown for the new insulated terminals:

Part Number	Terminal Type	Mill-Max Pin #
310-43-001-30-010800	Receptacle	1001-0-15-80-30-27-04-0
305-43-001-30-010800	Receptacle	0501-0-15-80-30-27-04-0
302-10-001-00-900800	Header Pin	0290-0-00-15-00-00-03-0
370-10-001-00-070800	Header Pin	7007-0-00-15-00-00-03-0
330-10-001-00-770800	Header Pin	3077-0-00-15-00-00-03-0
380-10-001-00-000800	Solder Cup Pin	8000-0-01-15-00-00-03-0

These discrete insulated pins and receptacles offer a dedicated single position insulated terminal, circular in shape, making them perfectly compatible with drilled holes in boards or assembly housings. They are an alternative to one position standard connectors which have square insulators.

The high temperature, glass filled nylon 46 insulators are suitable for most soldering processes. The pins and receptacle shells are precision-machined components; the receptacles are fitted with high reliability stamped beryllium copper contacts. If this selection of insulated terminals does not fit your requirements exactly, contact our technical services department to discuss your needs. There are other standard pins and receptacles which these sleeves will fit or a quick turn custom solution can be explored.

For more information, please visit: www.mill-max.com/PR675.

(4/17 -- PR675)

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INTERCONNECTS

SERIES 302, 330, 370, 380 DISCRETE INSULATED PINS

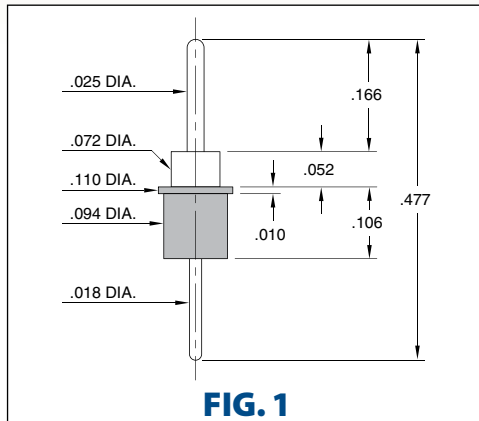


FIG. 1

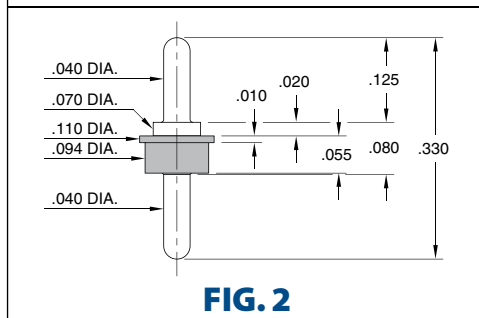


FIG. 2

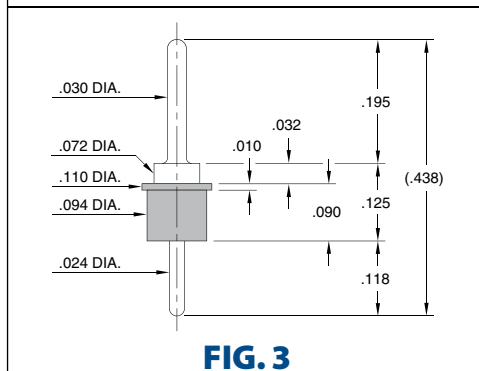


FIG. 3

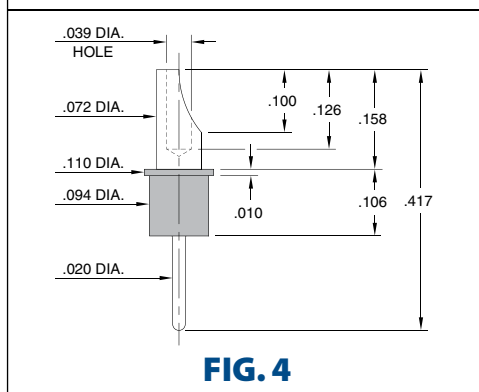


FIG. 4

- Series 302, 330, 370 and 380 insulated parts are offered in double tail & solder cup styles

302-10-001-00-900800 uses pin #0290-0

330-10-001-00-770800 uses pin #3077-0

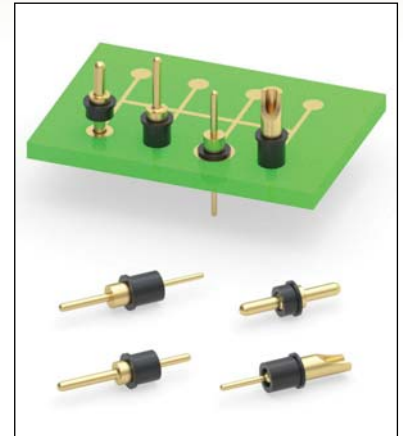
370-10-001-00-070800 uses pin #7007-0

380-10-001-00-000800 uses pin #8000-0

See pages 162, 165, 215 and 216 for details

- Insulated terminals are used to electrically isolate single pin interconnects in an assembly. The plastic sleeve provides insulation of the terminal from nearby conductive components or for applications such as mounting through a metal panel or other non-insulated housing. The sleeve also facilitates the handling of small, individual terminals and can provide mechanical support for pins mounted on or through printed circuit boards

- Insulators are high temperature thermoplastic, suitable for most soldering operations



ORDERING INFORMATION

FIG. 1	Series 302...900800	Double tail Pin with Sleeve
	302-10-001-00-900800	
FIG. 2	Series 330...770800	Double tail Pin with Sleeve
	330-10-001-00-770800	
FIG. 3	Series 370...070800	Double tail Pin with Sleeve
	370-10-001-00-070800	
FIG. 4	Series 380...000800	Soldercup pin with Sleeve
	380-10-001-00-000800	

SPECIFICATIONS:

Insulating Sleeve tolerance: $\pm .003$

Packaging: Bulk



XX=Plating Code
See Below

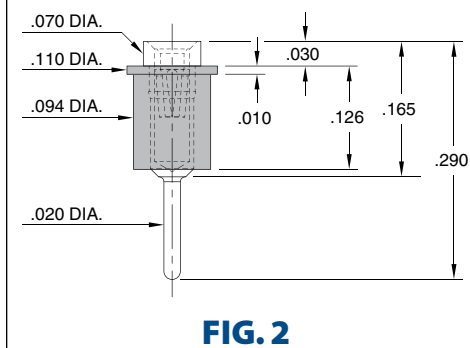
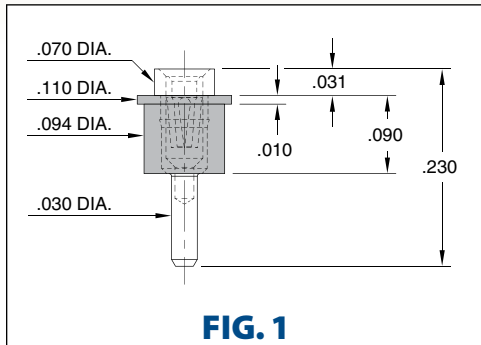
For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	10			
Pin Plating	10 μ " Au			

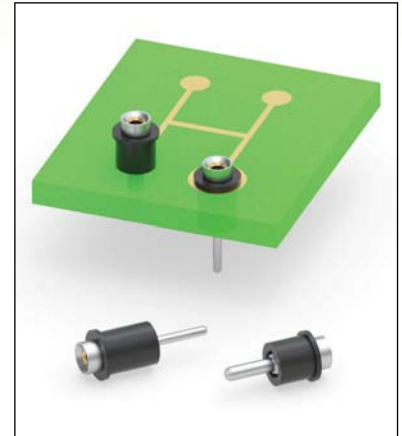


INTERCONNECTS

SERIES 305, 310 DISCRETE INSULATED RECEPTACLES



- Series 305 and 310 single position insulated parts are offered in standard and low profile styles
305-43-001-30-010800 uses pin #0501-0
310-43-001-30-010800 uses pin #1001-0
See pages 162 and 165 for details
- Insulated terminals are used to electrically isolate single pin interconnects in an assembly. The plastic sleeve provides insulation of the terminal from nearby conductive components or for applications such as mounting through a metal panel or other non-insulated housing. The sleeve also facilitates the handling of small, individual terminals and can provide mechanical support for pins mounted on or through printed circuit boards
- Insulators are high temperature thermoplastic, suitable for most soldering operations



ORDERING INFORMATION

FIG. 1	Series 305...010800	Receptacle with Sleeve																								
	305-43-001-30-010800																									
FIG. 2	Series 310...010800	Receptacle with Sleeve																								
	310-43-001-30-010800																									
SPECIFICATIONS: Insulating Sleeve tolerance: ± .003 Packaging: Bulk RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264																										
<table><tr><td>SPECIFY PLATING CODE XX=</td><td></td><td></td><td>43 </td><td></td><td></td><td></td><td></td></tr><tr><td>Sleeve (Pin) </td><td></td><td></td><td>200 μ" Sn</td><td></td><td></td><td></td><td></td></tr><tr><td>Contact (Clip) </td><td></td><td></td><td>30 μ" Au</td><td></td><td></td><td></td><td></td></tr></table>			SPECIFY PLATING CODE XX=			43 					Sleeve (Pin) 			200 μ" Sn					Contact (Clip) 			30 μ" Au				
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