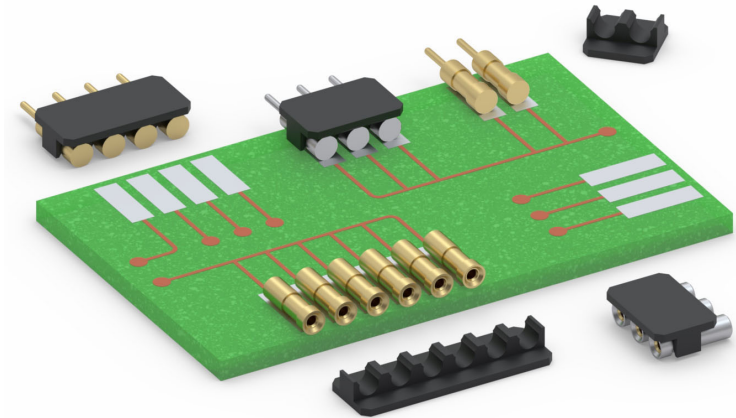


# MAXIMUM SOLUTIONS

## Mill-Max Introduces Parallel Board-to-Board Connectors

Featuring removable caps to make very low profile SMT connections



Mill-Max is proud to present new Horizontal SMT (HSMT) headers and sockets ideally suited for low profile parallel board-to-board or board-to-component mating. The removable plastic cap provides the convenience of a traditional connector and once removed delivers an interconnect system with a minimal surface mount profile.

These new sockets, 835-43-0XX-40-030001, and headers, 328-10-1XX-40-020001 are an excellent choice for applications where vertical board stacking is not an option, such as in LED lighting systems which often employ daisy-chained PCB's to minimize overall package height. This new series of HSMT connectors have an above-board profile of .096" (2,44 mm) with the cap in place and just .072" (1,83 mm) with the cap removed. The cap serves multiple functions: it maintains accurate pin to pin spacing, enables group placement of low profile SMT pins and receptacles and provides a flat pick and place surface for efficient automated assembly. After soldering, it may be easily removed to achieve a minimal profile.

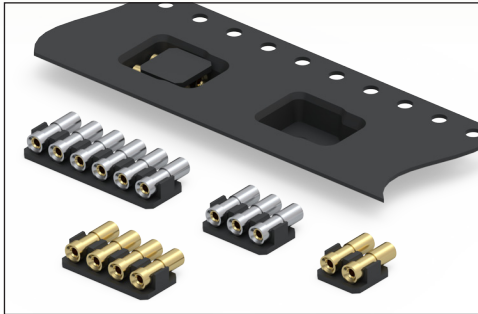
The connectors are single row with .100" (2,54 mm) pin spacing and are available in 2-10 positions. All are packaged on tape and reel (1,450 parts per 13" reel) per EIA-481 standards; tape widths vary with pin count. The cap material is high temperature Nylon with an HDT of 260° C to withstand most soldering processes.

Each pin and receptacle is precision turned from brass alloy. The receptacle has a highly reliable 4 finger, beryllium copper contact and accepts leads ranging from .015" - .025" (.38 - .635 mm). The standard plating for the sockets is tin on the shell and gold on the internal contact providing optimal interconnect reliability. The header pins come standard with gold plating.

For more information, please visit [www.mill-max.com/PR686](http://www.mill-max.com/PR686).

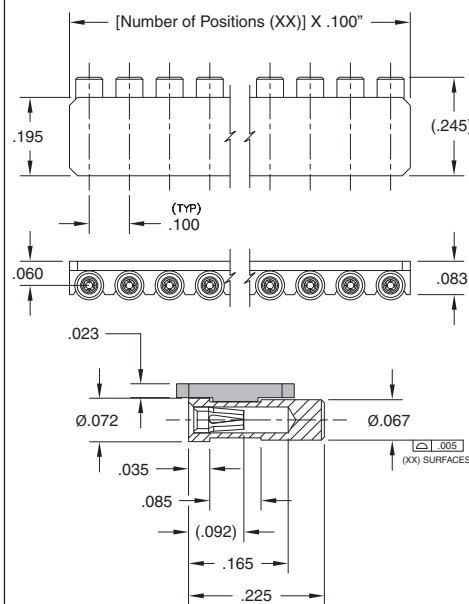
# INTERCONNECTS

## SERIES 835 • .100" GRID HORIZONTAL SURFACE MOUNT SOCKET WITH REMOVEABLE INSULATOR • SINGLE ROW STRIPS

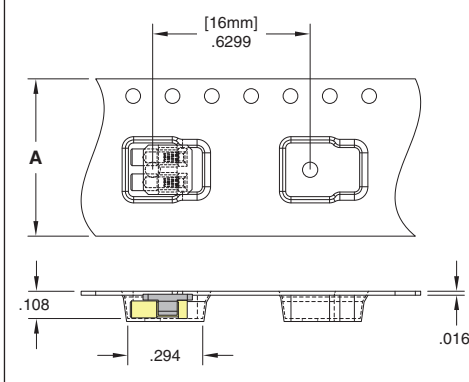


- Horizontal surface mount sockets with removeable insulator for minimal profile connections
- Ideal for daisy chaining of P.C.B.'s when mated with horizontal surface mount header series 328-XX-1XX-40-020001
- Series 835 single row .100" grid sockets uses Hi-Rel, 4-finger BeCu #30 contact rated at 3amps. See page 162.1 for details
- High temperature thermoplastic insulators are suitable for surface mount soldering processes
- The 835 series are packaged on tape & reel - 16, 24, 32 or 44 mm wide x 16 mm pitch, making them simple to integrate into existing pick & place equipment and assembly processes. The tape packaging is per EIA-481-D

### Series 835 Single Row



### Series 835 (Tape Pocket Details)



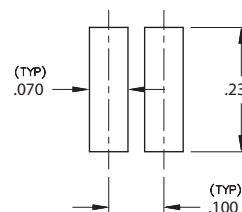
## ORDERING INFORMATION

### Series 835 (Tape & Reel Packaged)

835-XX-0XX-40-030001

Specify number of contacts 02-10

Number of Contacts	Tape Width Size (A)	Quantity per Reel
2	16mm	1,450
3	16mm	1,450
4	24mm	1,450
5	24mm	1,450
6	24mm	1,450
7	32mm	1,450
8	32mm	1,450
9	44mm	1,450
10	44mm	1,450



Suggested P.C.B. Footprint

RoHS - 2  
2011/65/EU

XX=Plating Code  
See Below

For  
Electrical, Mechanical  
& Environmental Data,  
See page 264

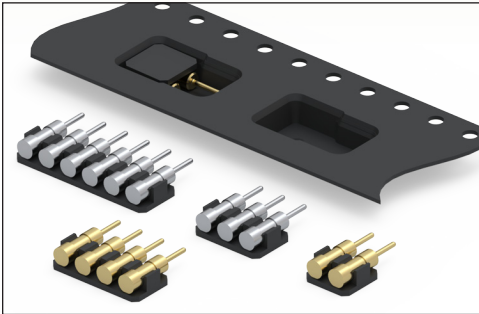
SPECIFY PLATING CODE XX=	13	43
Sleeve (Pin)	10 $\mu$ " Au	200 $\mu$ " Sn
Contact (Clip)	30 $\mu$ " Au	30 $\mu$ " Au



Mill-Max Mfg. Corp. • 190 Pine Hollow Road, P.O. Box 300, Oyster Bay, NY 11771 • 516-922-6000 • Fax: 516-922-9253 • www.mill-max.com

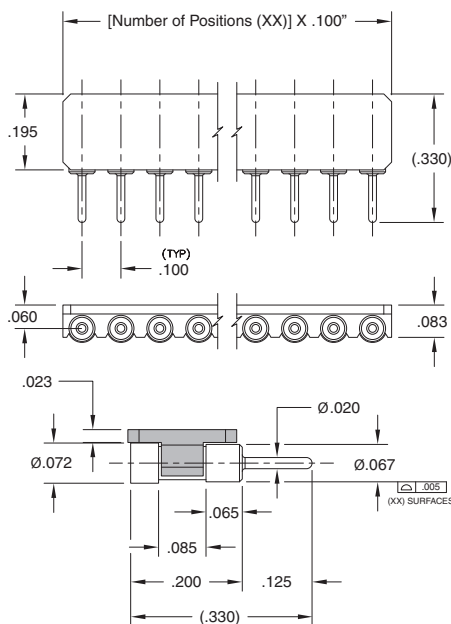
# INTERCONNECTS

## SERIES 328 • .100" GRID HORIZONTAL SURFACE MOUNT HEADER WITH REMOVEABLE INSULATOR • SINGLE ROW STRIPS

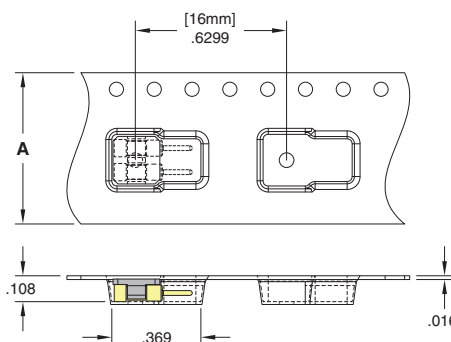


- Horizontal surface mount headers with removeable insulator for minimal profile connections
- Ideal for daisy chaining of P.C.B.'s when mated with horizontal surface mount socket series 835-XX-0XX-40-030001
- Series 328 single row .100" grid headers use MM #2820 pins. See page 207 for details
- High temperature thermoplastic insulators are suitable for surface mount soldering processes
- The 328 series are packaged on tape & reel - 16, 24, 32 or 44 mm wide x 16 mm pitch, making them simple to integrate into existing pick & place equipment and assembly processes. The tape packaging is per EIA-481-D

### Series 328 Single Row



### Series 328 (Tape Pocket Details)



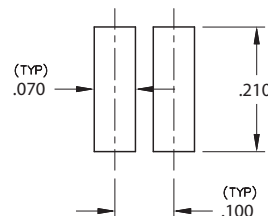
## ORDERING INFORMATION

### Series 328 (Tape & Reel Packaged)

328-XX-1XX-40-020001

Specify number of contacts 02-10

Number of Contacts	Tape Width Size (A)	Quantity per Reel
2	16mm	1,450
3	16mm	1,450
4	24mm	1,450
5	24mm	1,450
6	24mm	1,450
7	32mm	1,450
8	32mm	1,450
9	44mm	1,450
10	44mm	1,450



Suggested  
P.C.B. Footprint

RoHS-2  
2011/65/EU

XX=Plating Code  
See Below

For  
Electrical, Mechanical  
& Environmental Data,  
See page 264

SPECIFY PLATING CODE XX=	10	40
Pin Plating	10 μ" Au	200 μ" Sn

