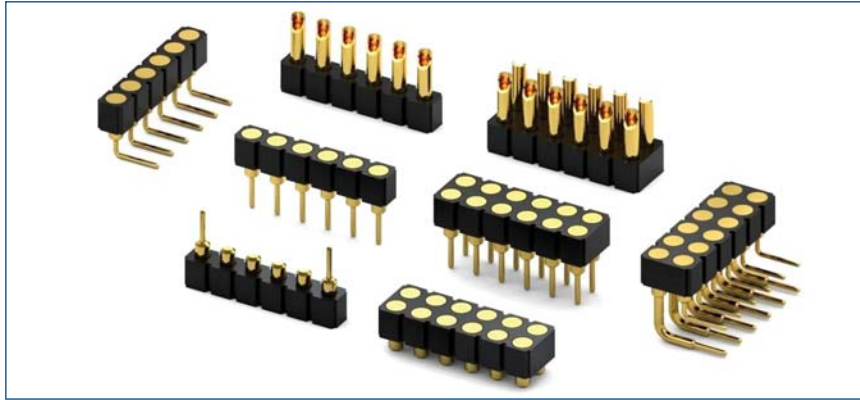


# MAXIMUM SOLUTIONS

## Mill-Max Target Connectors for Spring Pins Hit the Mark



**Mill-Max Target Connectors** provide a convenient mating surface to connect with Mill-Max spring pins. They can be utilized in any spring pin application requiring conductive lands. Examples are: board stacking, elevated circuits or recharging applications.

Mill-Max precision-machined pins are plated with 10 micro inches hard gold and assembled in high temperature PCT thermoplastic.

The large .070" diameter target pin face is a convenient, easy-to-hit target for .042" diameter plungers, common to Mill-Max spring pins.

In non-standard applications, modifying a Mill-Max Target Connector is a much more cost-effective approach than modifying its complex, multi-part spring pin mate. For more information, visit [www.mill-max.com/PR587](http://www.mill-max.com/PR587).

We offer our spring-loaded connectors in a variety of families of single and double row strip assemblies for .50" or .100" mounting grids – low and high profile surface mount styles are available on carrier tape and through-hole style for manual placement. We also offer a choice of 50+ discrete spring-loaded contacts for use in customer specific assemblies. Ask for datasheet PR561 for details on our spring-loaded parts.

For expert assistance with your specific application, please contact our engineers at [techsupport@mill-max.com](mailto:techsupport@mill-max.com), or call 516-922-6000.

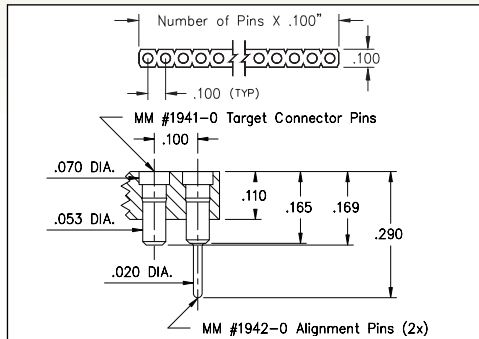
(5/14 -- PR587)

Mill-Max Mfg. Corp. • 190 Pine Hollow Road, Oyster Bay, NY 11771  
516-922-6000 • Fax: 516-922-9253 • [www.mill-max.com](http://www.mill-max.com)

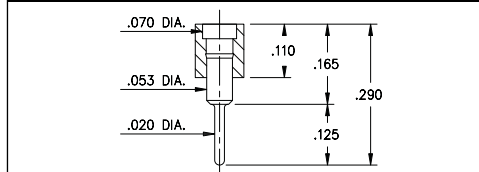


# SPRING-LOADED CONNECTORS

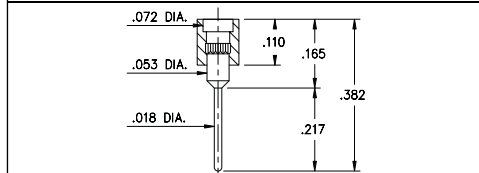
## SERIES 319, 330, 399 • .100" GRID TARGET CONNECTORS FOR SPRING-LOADED ASSEMBLIES • SINGLE ROW STRIPS



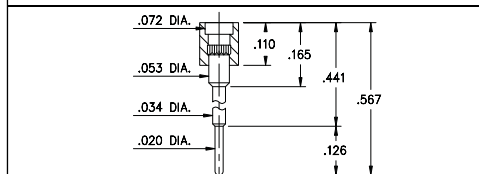
**FIG. 1**



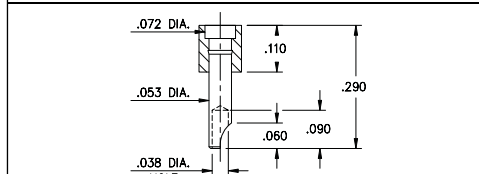
**FIG. 2**



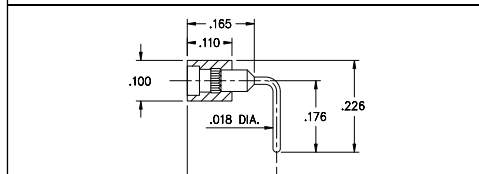
**FIG. 3**



**FIG. 4**



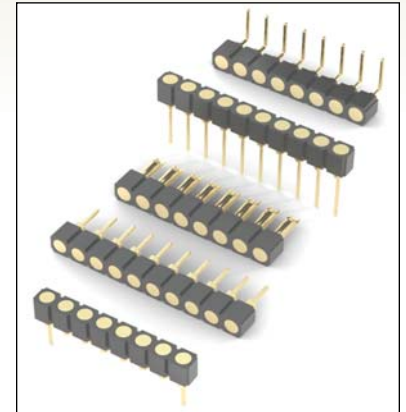
**FIG. 5**



**FIG. 6**

- Series 319, 330 and 399 Spring Target Connectors, supplied in single row strips
- Spring Target Connectors present a large flat surface for making contact with our standard .042" dia. spring pin plungers. The target connectors provide an excellent gold-plated conductive path back to the board mounted spring pin connector
- Target connectors use MM #1938, #1940, #1941, #1942 and #3024 pins. See page 218 for details

- Insulators are high temperature thermoplastic



## ORDERING INFORMATION

| FIG. 1                                                                                                                                                                          | Series 319...041 | Surface Mount w/ Alignments Pins           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------|
|                                                                                                                                                                                 | 319-10-1         | -30-041000<br>Specify number of pins 03-64 |
| FIG. 2                                                                                                                                                                          | Series 319...001 | Standard Solder Tails                      |
|                                                                                                                                                                                 | 319-10-1         | -00-001000<br>Specify number of pins 01-64 |
| FIG. 3                                                                                                                                                                          | Series 319...002 | Long Solder Tails                          |
|                                                                                                                                                                                 | 319-10-1         | -00-002000<br>Specify number of pins 01-64 |
| FIG. 4                                                                                                                                                                          | Series 319...005 | Elevated with Solder Tails                 |
|                                                                                                                                                                                 | 319-10-1         | -00-005000<br>Specify number of pins 01-64 |
| FIG. 5                                                                                                                                                                          | Series 330...240 | Solder Cups                                |
|                                                                                                                                                                                 | 330-10-1         | -00-240000<br>Specify number of pins 01-64 |
| FIG. 6                                                                                                                                                                          | Series 399...008 | Right Angle Solder Tails                   |
|                                                                                                                                                                                 | 399-10-1         | -10-008000<br>Specify number of pins 01-64 |
| <div> <div>RoHS-2<br/>2011/65/EU</div> <div>XX=Plating Code<br/>See Below</div> <div>For<br/>Electrical, Mechanical<br/>&amp; Environmental Data,<br/>See page 264</div> </div> |                  |                                            |
| SPECIFY PLATING CODE XX=                                                                                                                                                        |                  |                                            |
| Pin Plating                                                                                                                                                                     | 10 μ Au          |                                            |



# SPRING-LOADED CONNECTORS

## SERIES 419, 430, 499 • .100" GRID TARGET CONNECTORS FOR SPRING-LOADED ASSEMBLIES • DOUBLE ROW STRIPS

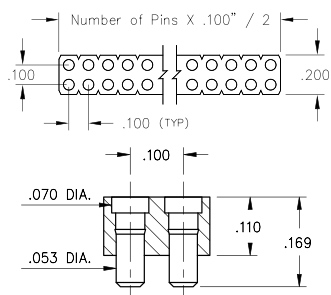
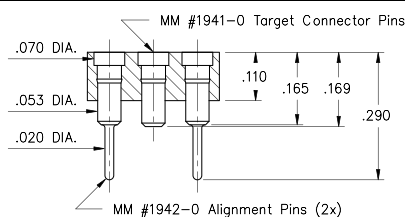
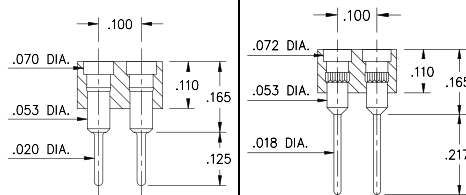


Fig. 1 and Fig. 2 Coplanarity .005". For pin counts >20 positions, consult Technical Support.

**FIG. 1**

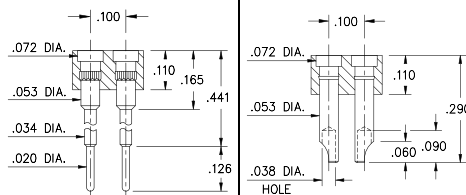


**FIG. 2**



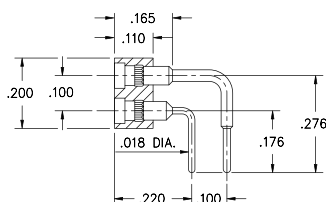
**FIG. 3**

**FIG. 4**



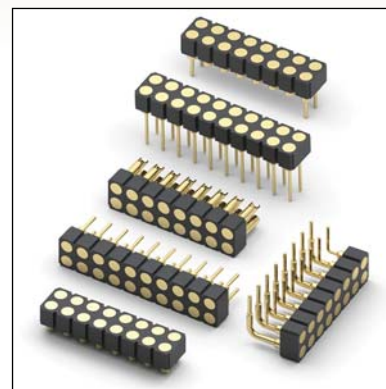
**FIG. 5**

**FIG. 6**



**FIG. 7**

- Series 419, 430 and 499 Spring Target Connectors, supplied in double row strips
- Spring Target Connectors present a large flat surface for making contact with our standard .042" dia. spring pin plungers. The target connectors provide an excellent gold-plated conductive path back to the board mounted spring pin connector
- Target connectors use MM #1938, #1940, #1941, #1942 and #3024 pins. See page 218 for details
- Insulators are high temperature thermoplastic



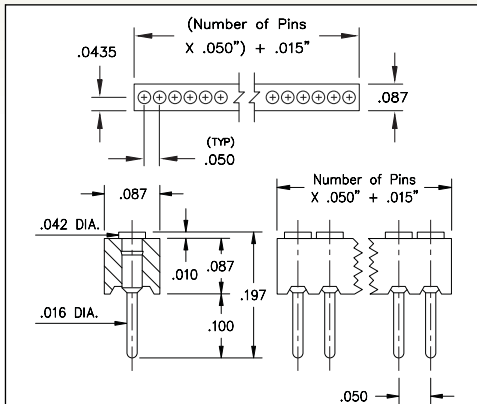
## ORDERING INFORMATION

| FIG. 1                                                                                                                                                                          | Series 419...041 Surface Mount                    |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------------|
|                                                                                                                                                                                 | 419-10-2                                          | -30-041000 |
|                                                                                                                                                                                 | Specify number of pins                            | 04-64      |
| FIG. 2                                                                                                                                                                          | Series 419...042 Surface Mount w/ Alignments Pins |            |
|                                                                                                                                                                                 | 419-10-2                                          | -30-042000 |
|                                                                                                                                                                                 | Specify number of pins                            | 06-64      |
| FIG. 3                                                                                                                                                                          | Series 419...001 Standard Solder Tails            |            |
|                                                                                                                                                                                 | 419-10-2                                          | -00-001000 |
|                                                                                                                                                                                 | Specify number of pins                            | 04-64      |
| FIG. 4                                                                                                                                                                          | Series 419...002 Long Solder Tails                |            |
|                                                                                                                                                                                 | 419-10-2                                          | -00-002000 |
|                                                                                                                                                                                 | Specify number of pins                            | 04-64      |
| FIG. 5                                                                                                                                                                          | Series 419...005 Elevated with Solder Tails       |            |
|                                                                                                                                                                                 | 419-10-2                                          | -00-005000 |
|                                                                                                                                                                                 | Specify number of pins                            | 04-64      |
| FIG. 6                                                                                                                                                                          | Series 430...240 Solder Cups                      |            |
|                                                                                                                                                                                 | 430-10-2                                          | -00-240000 |
|                                                                                                                                                                                 | Specify number of pins                            | 04-64      |
| FIG. 7                                                                                                                                                                          | Series 499...008 Right Angle Solder Tails         |            |
|                                                                                                                                                                                 | 499-10-2                                          | -10-008000 |
|                                                                                                                                                                                 | Specify number of pins                            | 04-64      |
| <div> <div>RoHS-2<br/>2011/65/EU</div> <div>XX=Plating Code<br/>See Below</div> <div>For<br/>Electrical, Mechanical<br/>&amp; Environmental Data,<br/>See page 264</div> </div> |                                                   |            |
| SPECIFY PLATING CODE XX=                                                                                                                                                        |                                                   |            |
| Pin Plating                                                                                                                                                                     |                                                   |            |
| 10  10 μ" Au                                                                                                                                                                    |                                                   |            |

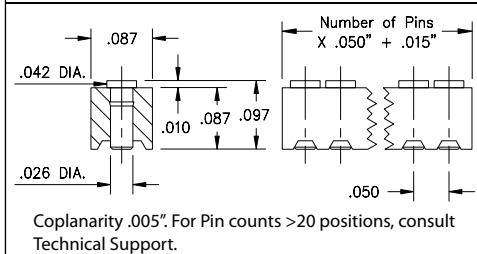


# SPRING-LOADED CONNECTORS

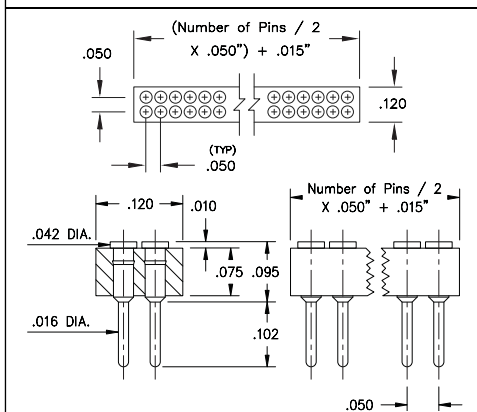
## SERIES 856, 857 • .050" GRID TARGET CONNECTORS FOR SPRING-LOADED ASSEMBLIES • SINGLE AND DOUBLE ROW STRIPS



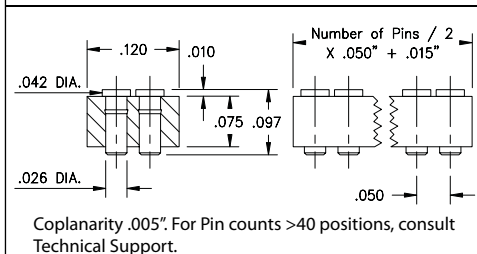
**FIG. 1**



**FIG. 2**

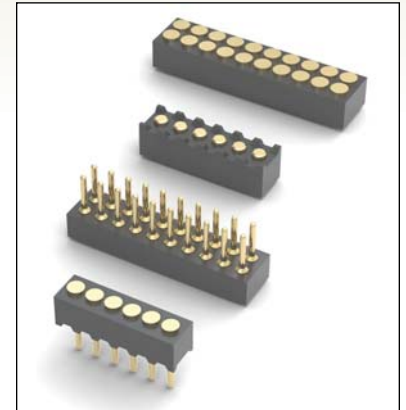


**FIG. 3**



**FIG. 4**

- Series 856 and 857 Spring Target Connectors, supplied in single and double row strips
- Spring Target Connectors present a large flat surface for making contact with our standard .019" dia. spring pin plungers. The target connectors provide an excellent gold-plated conductive path back to the board-mounted spring pin connector
- Target connectors use MM #1933 and #1935 pins. See page 213 for details
- Insulators are high temperature thermoplastic



### ORDERING INFORMATION

| FIG. 1                                                                                                                                                                          | Series 856...051 | Standard Solder Tails                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------|
|                                                                                                                                                                                 | 856-10-0         | -10-051000<br>Specify number of pins 01-20 |
| FIG. 2                                                                                                                                                                          | Series 856...051 | Surface Mount                              |
|                                                                                                                                                                                 | 856-10-0         | -30-051000<br>Specify number of pins 02-20 |
| FIG. 3                                                                                                                                                                          | Series 857...051 | Standard Solder Tails                      |
|                                                                                                                                                                                 | 857-10-0         | -10-051000<br>Specify number of pins 04-40 |
| FIG. 4                                                                                                                                                                          | Series 857...051 | Surface Mount                              |
|                                                                                                                                                                                 | 857-10-0         | -30-051000<br>Specify number of pins 04-40 |
| <div> <div>RoHS-2<br/>2011/65/EU</div> <div>XX=Plating Code<br/>See Below</div> <div>For<br/>Electrical, Mechanical<br/>&amp; Environmental Data,<br/>See page 264</div> </div> |                  |                                            |
| SPECIFY PLATING CODE XX=                                                                                                                                                        |                  |                                            |
| Pin Plating                                                                                                                                                                     | 10  10 μ" Au     |                                            |

