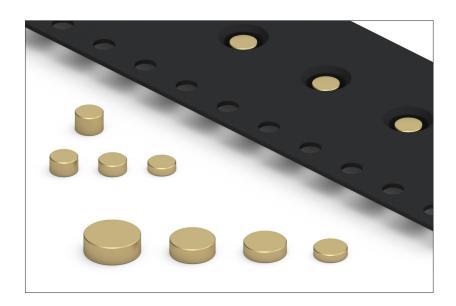
MAXIMUM SOLUTIONS

Mill-Max Expands Low-Profile Target Discs



Mill-Max expands its family of spring-loaded pin mating products, with four new series offering additional diameter and height options. These low profile SMT disc shaped terminals are perfect for applications where vertical space is at a premium.

The expanded series include the 1593-X, 1618-X, 1625-X, 1656-X SMT discs, with diameters of .093" (1,98 mm), .118" (3 mm), .125" (3.18 mm) and .156" (3.964 mm) respectively. Each series is precision machined from brass and comes standard with a 10 u" hard gold finish with a nickel under-plate and is available in four heights from .025" (,64 mm) to .055" (1,4 mm) in .010" (.254 mm) increments. Custom sizes are quickly and easily achievable via Mill-Max's high-speed precision-machining processes. Other plating options, such as thicker gold or other materials, are also available.

With flat surfaces on both sides, target discs are ideal for surface mount soldering and as the conductive mating surface for spring-loaded pins and connectors as well as test probes. The discs are typically placed on solder pasted PCB pads and then subjected to reflow soldering. Once soldered, the terminals are ready to be used as reliable, durable contact points.

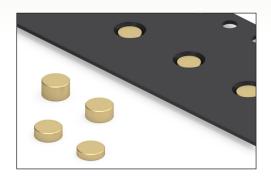
For more information, please visit www.mill-max.com/PR698.

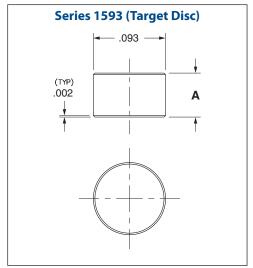


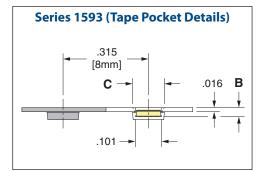
SPRING-LOADED CONNECTORS

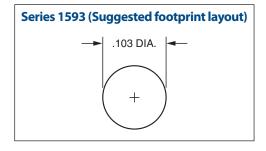
SERIES 1593 • LOW PROFILE TARGET DISCS • SURFACE MOUNT

be used as reliable, durable contact points.





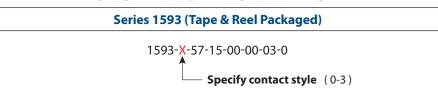




- The 1593-X-57-15-00-00-03-0 Surface mount disc is .093" in diameter and available in four heights from .025" to .055" +/-.002" tall.

 Employing our precision machining expertise we are able to achieve flat surfaces on both sides of the disc with virtually no burrs. The flat surfaces are ideal for surface mount soldering and as the conductive mating surface for spring loaded pins and connectors as well as test probes. The discs are typically placed on solder pasted PCB pads and then subjected to reflow soldering. Once soldered the terminals are ready to
- The 1593-X's are packaged on tape & reel 16 mm wide x 8 mm pitch, making them simple to integrate into existing pick & place equipment and assembly processes. The tape packaging is per EIA-481-D
- Custom sizes are quickly and easily achievable via Mill-Max's high speed precision machining processes. You can contact our technical support team to discuss your particular application and requirements.

ORDERING INFORMATION



Contact Style	Target Disc Height (A)	Tape Pocket Depth (B)	Tape Pocket Opening (C)	Quantity per Reel
0	.025	.035	.123	7,200
1	.035	.045	.124	6,000
2	.045	.055	.124	5,125
3	.055	.065	.124	4,000
5	Ţ	XX=Plating Code See Below	Electri & Envi	For cal, Mechanical iromental Data, se page 264

SPECIFICATIONS:

10 μ" Au

Pin Material: Brass Alloy 385 or 360, 1/2 Hard

Dimensions: Inches

Pin Plating

Tolerances On: Lengths: $\pm .002$

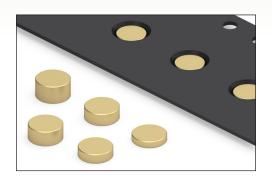
Diameters: $\pm .001$ Angles: $\pm 2^{\circ}$

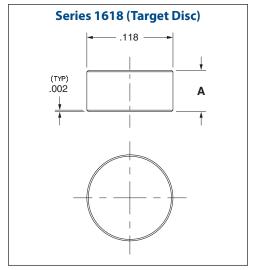


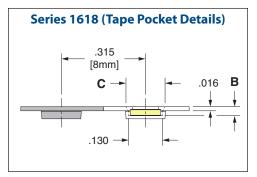


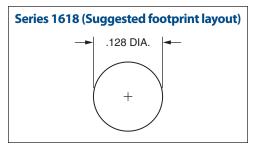
SPRING-LOADED CONNECTORS

SERIES 1618 • LOW PROFILE TARGET DISCS • SURFACE MOUNT





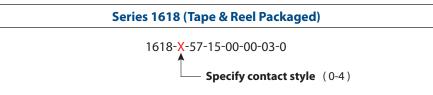




- The 1618-X-57-15-00-00-03-0 Surface mount disc is .118" in diameter and available in five heights from .025" to .065" +/-.002" tall.

 Employing our precision machining expertise we are able to achieve flat surfaces on both sides of the disc with virtually no burrs. The flat surfaces are ideal for surface
- both sides of the disc with virtually no burrs. The flat surfaces are ideal for surface mount soldering and as the conductive mating surface for spring loaded pins and connectors as well as test probes. The discs are typically placed on solder pasted PCB pads and then subjected to reflow soldering. Once soldered the terminals are ready to be used as reliable, durable contact points.
- The 1618-X's are packaged on tape & reel 16 mm wide x 8 mm pitch, making them simple to integrate into existing pick & place equipment and assembly processes. The tape packaging is per EIA-481-D
- Custom sizes are quickly and easily achievable via Mill-Max's high speed precision machining processes. You can contact our technical support team to discuss your particular application and requirements.

ORDERING INFORMATION



Contact Style	Target Disc Height (A)	Tape Pocket Depth (B)	Tape Pocket Opening (C)	Quantity per Reel
0	.025	.035	.151	7,200
1	.035	.045	.151	6,000
2	.045	.055	.151	5,125
3	.055	.065	.151	4,000
4	.065	.075	.152	3,850
		XX=Plating Code See Below	/ & Env	For ical, Mechanical iromental Data, se page 264

SPECIFY PLATING CODE XX= 15 ◆ Pin Plating 10 μ" Au

SPECIFICATIONS:

Pin Material: Brass Alloy 385 or 360, 1/2 Hard

Dimensions: Inches

Tolerances On: Lengths: $\pm .002$

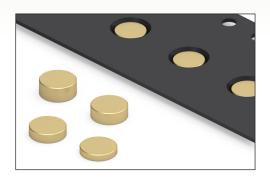
Diameters: $\pm .001$ Angles: $\pm 2^{\circ}$

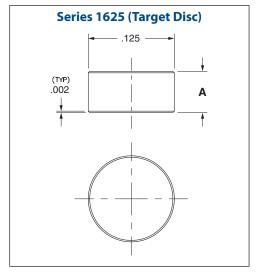


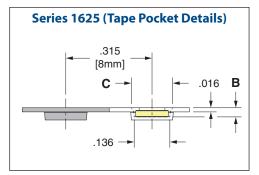


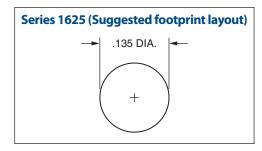
SPRING-LOADED CONNECTORS

SERIES 1625 • LOW PROFILE TARGET DISCS • SURFACE MOUNT









- The 1625-X-57-15-00-00-03-0 Surface mount disc is .125" in diameter and available in four heights from .025" to .055" +/-.002" tall.
- Employing our precision machining expertise we are able to achieve flat surfaces on both sides of the disc with virtually no burrs. The flat surfaces are ideal for surface mount soldering and as the conductive mating surface for spring loaded pins and connectors as well as test probes. The discs are typically placed on solder pasted PCB pads and then subjected to reflow soldering. Once soldered the terminals are ready to be used as reliable, durable contact points.
- The 1625-X's are packaged on tape & reel 16 mm wide x 8 mm pitch, making them simple to integrate into existing pick & place equipment and assembly processes. The tape packaging is per EIA-481-D
- Custom sizes are quickly and easily achievable via Mill-Max's high speed precision machining processes. You can contact our technical support team to discuss your particular application and requirements.

ORDERING INFORMATION

6 ' 460E/E A.D. ID I IV	
Series 1625 (Tape & Reel Packaged)	
1625-X-57-15-00-00-03-0 Specify contact style (0-3)	

Contact Style	Target Disc Height (A)	Tape Pocket Depth (B)	Tape Pocket Opening (C)	Quantity per Reel
0	.025	.035	.158	7,200
1	.035	.045	.158	6,000
2	.045	.055	.158	5,125
3	.055	.065	.158	4,000
		XX=Plating Code See Below	/ & Envi	For ical, Mechanical iromental Data, te page 264

SPECIFICATIONS:

 $10 \mu'' Au$

Pin Material: Brass Alloy 385 or 360, 1/2 Hard

Dimensions: Inches

Pin Plating

Tolerances On: Lengths: $\pm .002$

Diameters: $\pm .001$ Angles: $\pm 2^{\circ}$

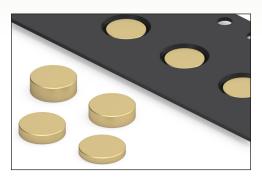


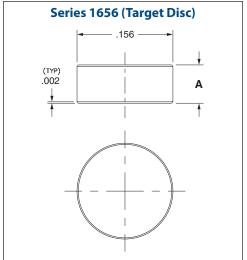


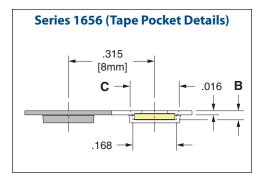
SPRING-LOADED CONI

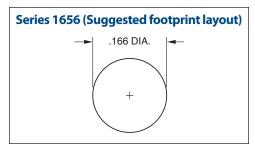
SERIES 1656 • LOW PROFILE TARGET DISCS • **SURFACE MOUNT**

be used as reliable, durable contact points.



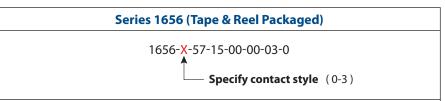






- The 1656-X-57-15-00-00-03-0 Surface mount disc is .156" in diameter and available in four heights from .025" to .055" +/-.002" tall. Employing our precision machining expertise we are able to achieve flat surfaces on both sides of the disc with virtually no burrs. The flat surfaces are ideal for surface mount soldering and as the conductive mating surface for spring loaded pins and connectors as well as test probes. The discs are typically placed on solder pasted PCB pads and then subjected to reflow soldering. Once soldered the terminals are ready to
- The 1656-X's are packaged on tape & reel 16 mm wide x 8 mm pitch, making them simple to integrate into existing pick & place equipment and assembly processes. The tape packaging is per EIA-481-D
- Custom sizes are quickly and easily achievable via Mill-Max's high speed precision machining processes. You can contact our technical support team to discuss your particular application and requirements.

ORDERING INFORMATION



Contact Style	Target Disc Height (A)	Tape Pocket Depth (B)	Tape Pocket Opening (C)	Quantity per Reel
0	.025	.035	.190	7,200
1	.035	.045	.190	6,000
2	.045	.055	.190	5,125
3	.055	.065	.190	4,000
	Ţ	XX=Plating Code See Below	/ & Env	For ical, Mechanical irromental Data, te page 264
PECIFY PLATING	CODE XX=	15 🔷		

V			
SPECIFY PLATING CODE XX=	15 🔷		
Pin Plating	10 μ" Au		

SPECIFICATIONS:

Pin Material: Brass Alloy 385 or 360, 1/2 Hard

Dimensions: Inches

Tolerances On: Lengths:

Diameters: ±.001 Angles: ±2°



