

MTA-100 Polarized and Friction Lock Surface Mount Headers—Straight

Material and Finish

Housing —

2-12 Position — UL94V-0 rated, nylon, black
13-18 Position — UL94V-0 rated, LCP, black

Posts — Copper alloy, tin plated, .000030 [0.00076] or .000015 [0.00038] gold over nickel

Notes:

1. Post(s) can be omitted for keying purposes. Specify the desired post(s) to be omitted using the figure to identify Post No. 1.
2. Gold headers are duplex plated, gold on mating end of post and tin on the solder tail.
3. To determine header overall length (dim. A) multiply .100 x the number of posts. Example: .100 x 10 posts equals 1.000 inch [25.4 mm].

For mateability options, see matrix on pages 12 and 13.

For mating half visuals, see pages 14, 15 and 31.

Header Ordering Information

The "Base Part Numbers" Chart at right shows the base part number and number of posts available for the described headers.

Prefixes and suffixes are determined by the number of post positions in the header. For example, the complete part number for a 10-position surface mount polarized header would be:

Base number **647106** plus prefix-and-suffix **1- -0**

The correct ordering number is **1-647106-0**

The set of numbers in **bold face** are the RoHS equivalent version of the standard product. Example:

No. of Pos.	Standard Prefix/Suffix	Lead Free RoHS Prefix/Suffix
2	647106-2	3-647106-2
thru		
12	1-647106-2	4-647106-2
13	1-647106-3	NA
thru		
18	1-647106-8	NA

See page 15 for an explanation of RoHS lead free equivalents.

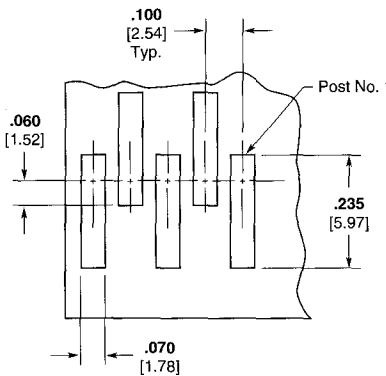
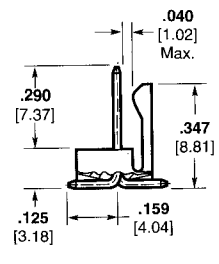
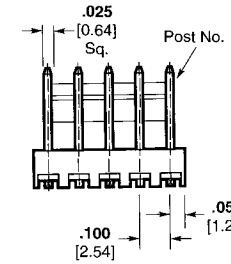
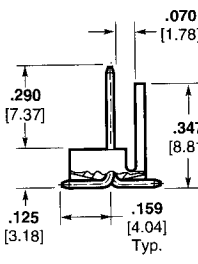
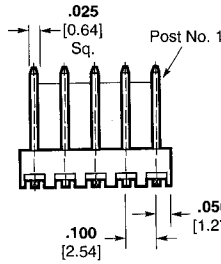
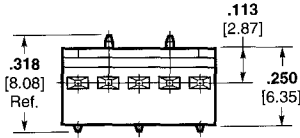
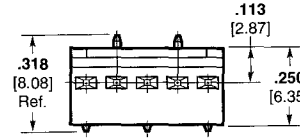
Note: All RoHS equivalent part numbers may not be available upon catalog release. If the number you need is not available, please contact Product Engineering to expedite your request.

For use with Infrared Reflow Process

Maximum Temperature Rating: 2-12 Position: 280°C
13-18 Position: 235°C

Polarized Header

Friction Lock Header



Note: Consult Product Drawing for details on placing headers onto PC boards.

Recommended PC Board Layout for use with .010 [0.25] Thick Stencil

Base Part Numbers

Polarized Headers		Friction Lock Headers	
Header Part Nos.	No. of Posts/ RoHS Equiv.	Header Part Nos.	No. of Posts/ RoHS Equiv.
Standard UL94V-0, Tin Plated			
647106	2-18 ¹ 32-42	647166	2-18 ¹ 32-42
Standard UL94V-0, .000030 [0.00076] Gold Plated			
647108	2-18 ¹ 32-42	647168	2-18 ¹ 32-42
Standard UL94V-0, .000015 [0.00038] Gold Plated			
647107	2-18 ¹ 32-42	647167	2-18 ¹ 32-42

¹ Availability may vary depending on number of posts. Alternate packaging may be available upon request. Minimums may apply. Contact product engineer or product manager for details.

Note: Select load headers (omitted pin headers) are available upon request. Please contact product engineer or product manager for details.

MTA-100
.100 [2.54]