

**MTA-156 Friction Lock Headers—Straight**

**Material and Finish**

**Housing**—UL94V-0 rated, polyester, white

**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. .125 [3.18] solder tail lengths are for .062 [1.57] thick printed circuit boards and .175 [4.45] solder tail lengths are for .093-.125 [2.36-3.18] thick printed circuit boards.
4. To determine header overall length (Dim. A), multiply .156 x the number of posts. Example: .156 x 10 posts equals 1.560 inches [39.62 mm].

For mateability options, see matrix on pages 34, 35, 54 and 58.

For mating half visuals, use connectors with a locking ramp for polarization/retention purposes, see pages 36 thru 39, 55, 60 and 62.

For polarizing purposes only use connectors without a locking ramp. See pages 36 thru 39, 55, 60 and 62.

**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 header with square posts and a .125 [3.18] solder tail length would be:

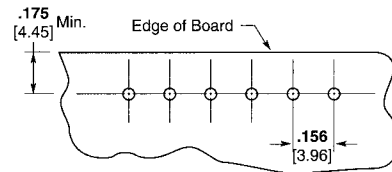
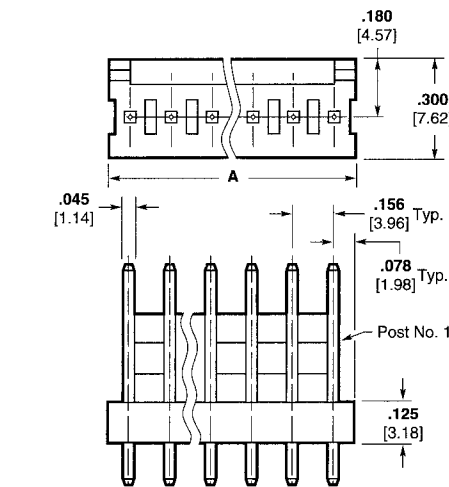
Base number **641208** plus prefix-and-suffix **1- -0**

The correct ordering number is **1-641208-0**

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	641208-2	3-641208-2
	thru	
24	2-641208-4	5-641208-4

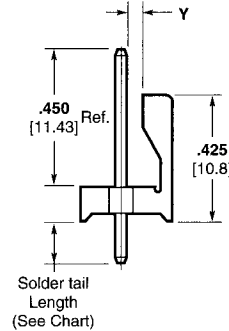
See page 15 for an explanation of RoHS lead free equivalents.



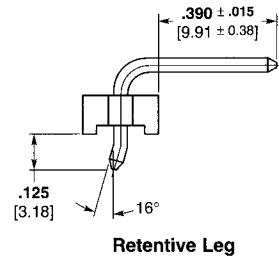
**Recommended Mounting Hole Pattern for .062 [1.57] Thk. PC Board**

**PC Board Hole Diameters**

Square Post	Round Post
.080/.070 [2.03/1.78]	.070/.060 [1.78/1.52]



Y = .068 [1.73] Max. 2-8 position tin plated and 2-24 position gold plated headers.  
Y = .073 [1.85] 9-24 position tin plated headers.



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

**Base Part Numbers**

		Square Posts				Round Posts			
		.125 [3.18] Solder tail		.175 [4.45] Solder tail		.125 [3.18] Solder tail		.175 [4.45] Solder tail	
Header Part Nos.	No. of Posts/RoHS Equiv.	Header Part Nos.	No. of Posts/RoHS Equiv.	Header Part Nos.	No. of Posts/RoHS Equiv.	Header Part Nos.	No. of Posts/RoHS Equiv.	Header Part Nos.	No. of Posts/RoHS Equiv.
<b>Standard UL94V-0, Tin Plated</b>									
1744017	<b>2-12</b>	640445	<b>2-24</b>	644752	<b>2-24</b>	640388	<b>2-24</b>	644753	<b>2-24</b>
<b>Standard UL94V-0, .000030 [0.00076] Gold Plated</b>									
—	—	641208	<b>2-24</b> <b>32-54</b>	644759	<b>2-24</b> <b>32-54</b>	641209	<b>2-24</b> <b>32-54</b>	644760	<b>2-24</b> <b>32-54</b>
<b>Standard UL94V-0, .000015 [0.00038] Gold Plated</b>									
—	—	641119	<b>2-24</b> <b>32-54</b>	644766	<b>2-24</b> <b>32-54</b>	641120	<b>2-24</b> <b>32-54</b>	644767	<b>2-24</b> <b>32-54</b>

**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.

**Note:**

Select lead headers (omitted pin headers) and tube loaded product are available upon request. Please contact product engineer or product manager for details.