

MTA-156 Shrouded Headers—Straight and Right-Angle

Material and Finish

Housing—UL94V-0 rated, polyester, black

Posts—Copper alloy, tin plated; or .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. Peg holes are not required in PC boards when headers without pegs are used.
4. One peg only on a 2 position header, other position sizes have two pegs.
5. Right-angle front and rear bend headers with retention pegs can be made available upon request. Minimums may apply.

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

For mating half visuals, see pages 36 thru 39 and 55.

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 straight, square posts and with pegs would be:

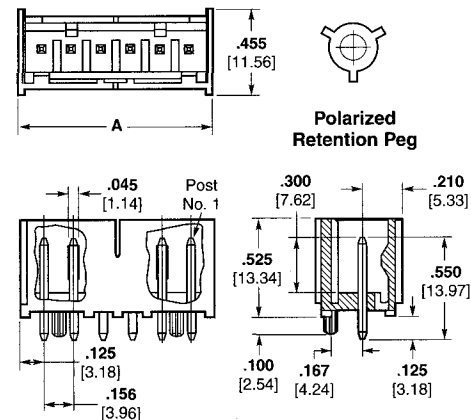
Base number **647127** plus prefix-and-suffix **1-0**

The correct ordering number is **1-647127-0**

No. of Pos.	Dim. A	Standard Prefix/Suffix	RoHS Prefix/Suffix
2	.406 10.31	-2	2--2
3	.562 14.27	-3	2--3
4	.718 18.24	-4	2--4
5	.874 22.20	-5	2--5
6	1.030 26.16	-6	2--6
7	1.186 30.12	-7	2--7
8	1.342 34.09	-8	2--8
9	1.498 38.05	-9	2--9
10	1.654 42.01	1-0	3-0
11	1.810 45.97	1--1	3--1
12	1.966 49.94	1--2	3--2

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.

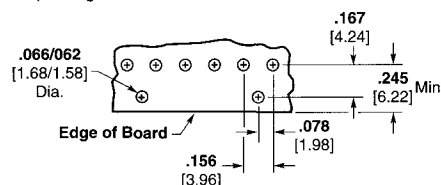
Straight Post (.045 [1.14] Square or Round)



PC Board Hole Diameters

Square Post	Round Post
.069/.065 [1.75/1.65]	.054/.050 [1.37/1.27]

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



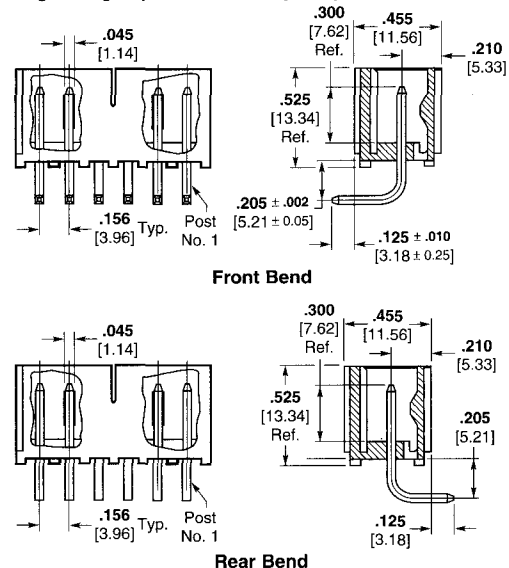
Recommended Mounting Hole Pattern for .062 [1.57] Thick PC Board Using a Straight Post Header

Base Part Numbers

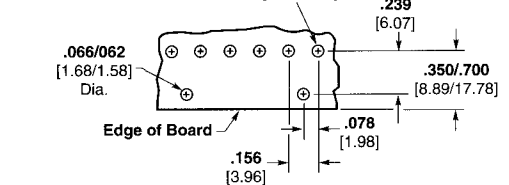
Straight Square Posts				Straight Round Posts			
Without Pegs		With Pegs		Without Pegs		With Pegs	
Header Part Nos.	No. of Posts/RoHS Equiv.	Header Part Nos.	No. of Posts/RoHS Equiv.	Header Part Nos.	No. of Posts/RoHS Equiv.	Header Part Nos.	No. of Posts/RoHS Equiv.
Standard UL94V-0, Tin Plated							
647123	2-12 22-32	647127	2-12 22-32	647124	2-12 22-32	647128	2-12 22-32
Standard UL94V-0, .000030 [0.00076] Gold Plated							
647131	2-12 22-32	647135	2-12 22-32	647132	2-12 22-32	647136	2-12 22-32
Standard UL94V-0, .000015 [0.00038] Gold Plated							
647139	2-12 22-32	647143	2-12 22-32	647140	2-12 22-32	647144	2-12 22-32
Square Posts				Right-Angle Posts, Front Bend			
Without Pegs		With Pegs		Without Pegs		With Pegs	
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.
Standard UL94V-0, Tin Plated							
647125	2-12 22-32			647126	2-12 22-32		
Standard UL94V-0, .000030 [0.00076] Gold Plated							
647133	2-12 22-32			647134	2-12 22-32		
Standard UL94V-0, .000015 [0.00038] Gold Plated							
647141	2-12 22-32			647142	2-12 22-32		

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

Right-Angle (.045 [1.14] Square)



Recommended Mounting Hole Pattern for .062 [1.57] Thick PC Board Using a Right-Angle Header



MTA-156
.156 [3.96]