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## Mech

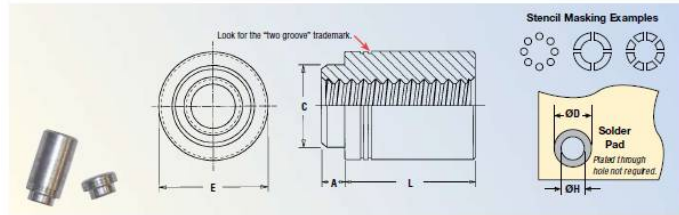


### Manufacturers

|                                                                                                                                                                           |         |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|
| <a href="https://www.we-online.com/catalog/en/SMSI_SMT_STEEL_SPACER_M3_THREAD_INTERNAL">https://www.we-online.com/catalog/en/SMSI_SMT_STEEL_SPACER_M3_THREAD_INTERNAL</a> | Würth   | Germany |
| <a href="https://aliexpress.ru/item/1005002383825135.html?sku_id=12000020450953128">https://aliexpress.ru/item/1005002383825135.html?sku_id=12000020450953128</a>         | Fotsbon | China   |

### SMD NUT

|             |                |
|-------------|----------------|
| 9774025243R | SMTSO-M2-2.5   |
| 9774070151R | SMTSO-M2.5-7   |
| 9774025151R | SMTSO-M2.5-2.5 |
| 9774015151R | SMTSO-M2.5-1.5 |

**TYPE SMTSO ReelFast® SMT SPACERS/NUTS**


All dimensions are in inches.

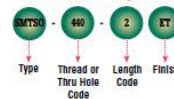
| UNITED | Thread Size        | Thru Hole<br>+ .004 - .003 | Type  | Thread or Thru Hole Code | Length Code "L" ± .005<br>(Length code in 32nds of an inch) |      |      |      | Min. Sheet Thickness | A Max. | C Max. | E ± .005 | ØH Hole Size in Sheet<br>+ .000 - .000 | ØD Min. Solder Pad |
|--------|--------------------|----------------------------|-------|--------------------------|-------------------------------------------------------------|------|------|------|----------------------|--------|--------|----------|----------------------------------------|--------------------|
|        |                    |                            |       |                          | .062                                                        | .125 | .250 | .375 |                      |        |        |          |                                        |                    |
|        |                    |                            |       |                          |                                                             |      |      |      |                      |        |        |          |                                        |                    |
|        | .086-16<br>(#2-16) | —                          | SMTSO | 266                      | 2                                                           | 4    | 8    | 12   | .060                 | .060   | .142   | .219     | .147                                   | .244               |
|        | .112-40<br>(#4-40) | —                          | SMTSO | 440                      | 2                                                           | 4    | 8    | 12   | .060                 | .060   | .161   | .219     | .166                                   | .244               |
|        | .139-32<br>(#5-32) | —                          | SMTSO | 632                      | 2                                                           | 4    | 8    | 12   | .060                 | .060   | .208   | .281     | .213                                   | .306               |
|        | .164-32<br>(#6-32) | —                          | SMTSO | 832                      | 2                                                           | 4    | 8    | 12   | .060                 | .060   | .245   | .344     | .25                                    | .369               |
|        | —                  | .116                       | SMTSO | 116                      | 2                                                           | 4    | 8    | 12   | .060                 | .060   | .161   | .219     | .166                                   | .244               |
|        | —                  | .143                       | SMTSO | 143                      | 2                                                           | 4    | 8    | 12   | .060                 | .060   | .208   | .281     | .213                                   | .306               |

All dimensions are in millimeters.

| METRIC | Thread Size x Pitch | Thru Hole<br>+0.10 - 0.08 | Type  | Thread or Thru Hole Code | Length Code "L" ± 0.13<br>(Length code in millimeters) |   |   |   |   |    | Min. Sheet Thickness | A Max. | C Max. | E ± 0.13 | ØH Hole Size in Sheet<br>+0.08 | ØD Min. Solder Pad |
|--------|---------------------|---------------------------|-------|--------------------------|--------------------------------------------------------|---|---|---|---|----|----------------------|--------|--------|----------|--------------------------------|--------------------|
|        |                     |                           |       |                          | 2                                                      | 3 | 4 | 6 | 8 | 10 |                      |        |        |          |                                |                    |
|        |                     |                           |       |                          |                                                        |   |   |   |   |    |                      |        |        |          |                                |                    |
|        | M2 x 0.4            | —                         | SMTSO | M2                       | 2                                                      | 3 | 4 | 6 | 8 | 10 | 1.53                 | 1.53   | 3.5    | 5.96     | 3.73                           | 6.2                |
|        | M2.5 x 0.45         | —                         | SMTSO | M2.5                     | 2                                                      | 3 | 4 | 6 | 8 | 10 | 1.53                 | 1.53   | 4.09   | 5.96     | 4.22                           | 6.2                |
|        | M3 x 0.5            | —                         | SMTSO | M3                       | 2                                                      | 3 | 4 | 6 | 8 | 10 | 1.53                 | 1.53   | 4.09   | 5.96     | 4.22                           | 6.2                |
|        | M3.5 x 0.6          | —                         | SMTSO | M3.5                     | 2                                                      | 3 | 4 | 6 | 8 | 10 | 1.53                 | 1.53   | 5.28   | 7.14     | 5.41                           | 7.77               |
|        | M4 x 0.7            | —                         | SMTSO | M4                       | 2                                                      | 3 | 4 | 6 | 8 | 10 | 1.53                 | 1.53   | 6.22   | 8.74     | 6.36                           | 9.37               |
|        | —                   | 3.6                       | SMTSO | 3.6                      | 2                                                      | 3 | 4 | 6 | 8 | 10 | 1.53                 | 1.53   | 5.28   | 7.14     | 5.41                           | 7.77               |
|        | —                   | 4.2                       | SMTSO | 4.2                      | 2                                                      | 3 | 4 | 6 | 8 | 10 | 1.53                 | 1.53   | 6.22   | 8.74     | 6.36                           | 9.37               |

**Number Of Parts Per Reel / Pitch (mm) For Each Size**

| Thread/Thru-Hole Size   | Length Code |           |           |          |          |          |
|-------------------------|-------------|-----------|-----------|----------|----------|----------|
|                         | 2           | 3         | 4         | 6        | 8        | 10       |
| 266, 440, 632, 116, 143 | 1900 / 12   | —         | 1000 / 12 | —        | 660 / 12 | —        |
| 832                     | 1100 / 16   | —         | 800 / 16  | —        | 800 / 16 | —        |
| M2, M2.5, M3, M3.5, 3.6 | 1900 / 12   | 1000 / 12 | 900 / 12  | 660 / 12 | 375 / 16 | 300 / 16 |
| M4, 4.2                 | 1100 / 16   | 800 / 16  | 575 / 16  | 500 / 16 | 375 / 16 | 300 / 16 |

**Part Number Designation**


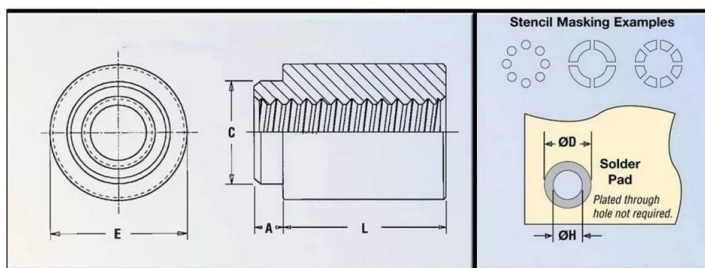
Packaged on 13" recyclable reels. Tape width is 24mm. Supplied with Kapton® patch for vacuum pick up. Reels conform to EIA-481.

**MATERIAL:** Carbon Steel.

**STANDARD FINISH:** ET - Electro Plated Bright Tin, ASTM B 545, Class A W/ Clear Preservative Coating.

**OPTIONAL FINISH:** DT - Matte Electro-Tin ASTM B 545, Class A W/ Clear Preservative Coating, Annealed.

**THREADS:** Internal, ANSI B1.1 2B ANS/ASME B1.13M, 6H

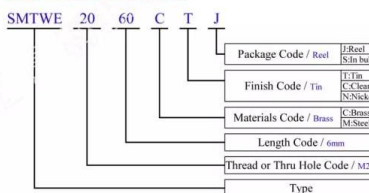


All dimensions are in millimeters.

| Thread Size x Pitch | Thru Hole | Type  | Thread or Thru Hole Code | Length Code "L" (0.13) (Length code in millimeters) |     |   |     |   |     |   |     |   |   |   |   |    |    | A  | C  | E  | Ø H Hole Size in Sheet (x.08) | Ø D Min. Solder Pad |
|---------------------|-----------|-------|--------------------------|-----------------------------------------------------|-----|---|-----|---|-----|---|-----|---|---|---|---|----|----|----|----|----|-------------------------------|---------------------|
| M2x0.4              | —         | SMTWE | 20                       | 1                                                   | 1.3 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 6 | 7 | 8 | —  | —  | —  | —  | —  | —                             | —                   |
| M2.5x0.45           | —         | SMTWE | 25                       | 1                                                   | 1.5 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 6 | 7 | 8 | 10 | —  | —  | —  | —  | —                             | —                   |
| M3x0.5              | —         | SMTWE | 30                       | 1                                                   | 1.5 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 6 | 7 | 8 | 10 | 11 | 12 | 13 | 14 | 15                            | —                   |
| M3x0.7              | —         | SMTWE | 40                       | 1                                                   | —   | 2 | —   | 3 | —   | 4 | —   | 5 | 6 | 7 | 8 | 10 | 11 | 12 | 13 | 14 | 15                            | —                   |
| —                   | 2.25      | SMTWE | 22                       | 1                                                   | 1.5 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 6 | 7 | 8 | 10 | —  | —  | —  | —  | —                             | —                   |
| —                   | 2.7       | SMTWE | 27                       | 1                                                   | 1.5 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 6 | 7 | 8 | 10 | —  | —  | —  | —  | —                             | —                   |
| —                   | 3.2       | SMTWE | 32                       | 1                                                   | 1.5 | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 | 5 | 6 | 7 | 8 | 10 | —  | —  | —  | —  | —                             | —                   |
| —                   | 4.5       | SMTWE | 45                       | 1                                                   | —   | 2 | —   | 3 | —   | 4 | —   | 5 | 6 | 7 | 8 | 10 | —  | —  | —  | —  | —                             | —                   |



#### PART NUMBER DESIGNATION



## Втулки, стойки

RUICHI <https://ruelectronics.com/ustanovochnye-izdeliya/stojki-dlya-pechatnyh-plat/>

## Световоды

«АЯКС»:

<https://m-kontakt.ru/produkt/opoveschateli/svetovody>

## Тактовые кнопки

RUICHI <https://ruelectronics.com/kommutatsiya/taktovye-knopki/>