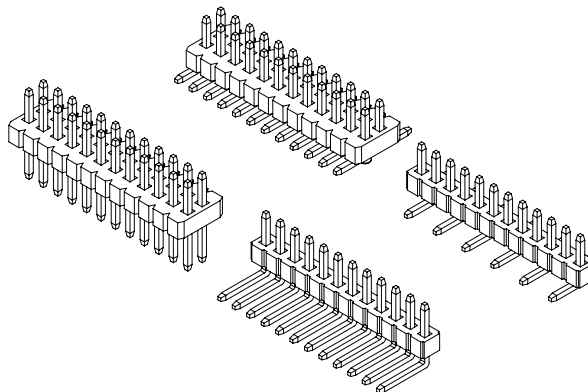
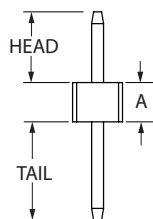
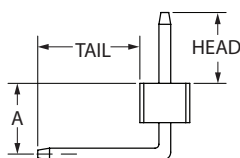
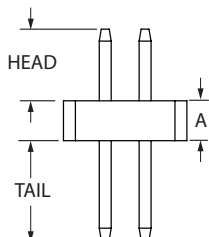
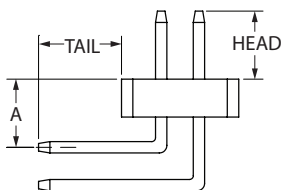
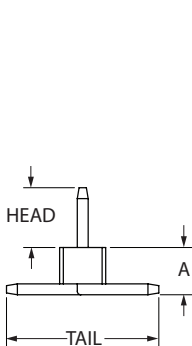
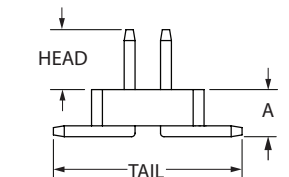
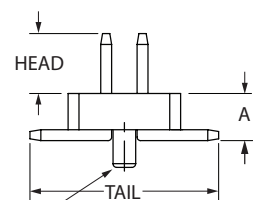


**1.00 mm [.039"] Contact Centers, Male Headers, Straight/Right Angle/SMT-SMH Series  
Mates with SFM series****SPECIFICATIONS**

- 1 Amp current rating
- UL Flammability Rating: 94V-0
- Insulator Material: Black LCP
- Contact Material: Phosphor Bronze
- Insulation Resistance: 1000 Megohms Min.
- Contact Resistance: 20 milli Ohms Max.
- Dielectric Withstanding: 300 VAC
- Operating Temperature: -40°C to +125°C
- Processing Temperature: 260°C Max. for 10 seconds
- Stacker Options available - Consult factory

**TERMINATION TYPE****Straight, (ST)****Right Angle, (RA)****Straight, (ST)****Right Angle, (RA)****SMT, (SC) or (SD)****SMT Without Guide Posts, (SM)****SMT With Guide Posts, (SP)****SINGLE ROW**

| EXAMPLE P/N                    | HEAD         | TAIL         | A            |
|--------------------------------|--------------|--------------|--------------|
| <b>STRAIGHT TERMINATION</b>    |              |              |              |
| SMH100-LPPE-S10-ST-BK          | 1.80 [.071"] | 2.50 [.098"] | 1.00 [.039"] |
| <b>RIGHT ANGLE TERMINATION</b> |              |              |              |
| SMH100-LPPE-S10-RA-BK          | 1.80 [.071"] | 2.60 [.102"] | 1.80 [.071"] |

**DUAL ROW**

| EXAMPLE P/N                    | HEAD         | TAIL         | A            |
|--------------------------------|--------------|--------------|--------------|
| <b>STRAIGHT TERMINATIONS</b>   |              |              |              |
| SMH100-LPPE-D10-ST-BK          | 1.80 [.071"] | 2.50 [.098"] | 1.00 [.039"] |
| SMH150-LPPE-D10-ST-BK          | 1.80 [.071"] | 2.50 [.098"] | 1.50 [.059"] |
| <b>RIGHT ANGLE TERMINATION</b> |              |              |              |
| SMH100-LPPE-D10-RA-BK          | 1.80 [.071"] | 2.60 [.102"] | 1.80 [.071"] |

**SURFACE MOUNT TERMINATIONS**

| EXAMPLE P/N           | HEAD         | TAIL         | A            |
|-----------------------|--------------|--------------|--------------|
| <b>SINGLE ROW</b>     |              |              |              |
| SMH100-LPPE-S10-SC-BK | 1.65 [.065"] | 4.20 [.165"] | 1.30 [.051"] |
| SMH100-LPPE-S10-SD-BK | 1.65 [.065"] | 4.20 [.165"] | 1.30 [.051"] |
| <b>DUAL ROW</b>       |              |              |              |
| SMH101-LPPE-D10-SM-BK | 1.65 [.065"] | 5.20 [.205"] | 1.30 [.051"] |
| SMH101-LPPE-D10-SP-BK | 1.65 [.065"] | 5.20 [.205"] | 1.30 [.051"] |
| SMH102-LPPE-D10-SM-BK | 1.90 [.075"] | 5.20 [.205"] | 1.30 [.051"] |
| SMH102-LPPE-D10-SP-BK | 1.90 [.075"] | 5.20 [.205"] | 1.30 [.051"] |
| SMH103-LPPE-D10-SM-BK | 3.53 [.139"] | 5.20 [.205"] | 1.30 [.051"] |
| SMH103-LPPE-D10-SP-BK | 3.53 [.139"] | 5.20 [.205"] | 1.30 [.051"] |
| SMH151-LPPE-D10-SM-BK | 1.65 [.065"] | 5.20 [.205"] | 1.80 [.071"] |
| SMH151-LPPE-D10-SP-BK | 1.65 [.065"] | 5.20 [.205"] | 1.80 [.071"] |
| SMH152-LPPE-D10-SM-BK | 1.90 [.075"] | 5.20 [.205"] | 1.80 [.071"] |
| SMH152-LPPE-D10-SP-BK | 1.90 [.075"] | 5.20 [.205"] | 1.80 [.071"] |



## 1.00 mm [.039"] Contact Centers, Male Headers, Straight/Right Angle/SMT-SMH Series Mates with SFM series

### PART NUMBER OPTIONS

SMH100 - L P P E - S 10 - ST - BK

#### SERIES (See Opposite Page)

SMH100 = 1.00 [.039"] Profile, 1.80 [.071"] Head Height  
SMH101 = 1.00 [.039"] Profile, 1.65 [.065"] Head Height  
SMH102 = 1.00 [.039"] Profile, 1.90 [.075"] Head Height  
SMH103 = 1.00 [.039"] Profile, 3.53 [.139"] Head Height  
SMH150 = 1.50 [.059"] Profile, 1.80 [.071"] Head Height  
SMH151 = 1.50 [.059"] Profile, 1.65 [.065"] Head Height  
SMH152 = 1.50 [.059"] Profile, 1.90 [.075"] Head Height

#### INSULATOR MATERIAL

L = LCP

#### CONTACT MATERIAL

P = Phosphor Bronze

#### CONTACT FINISH - RoHS Compliant

P = Gold Flash Overall

S = .000010" Gold on Contact Surface, Gold Flash on Termination

#### CONTACT CENTERS

E = 1.00 mm [.039"]

#### COLOR

BK = Black

#### TERMINATION TYPE (See Opposite Page)

ST = Straight (Single & Dual Row)

RA = Right Angle (Single & Dual Row)

SC = Surface Mount, Standard (Single Row)

SD = Surface Mount, Opposite Bend,

Applicable on Even Pin Counts (Single Row)

SM = Surface Mount without Guide Posts (Dual Row)

SP = Surface Mount with Guide Posts (Dual Row)

#### NUMBER OF CONTACT POSITIONS (Pins per Row)

02 thru 50

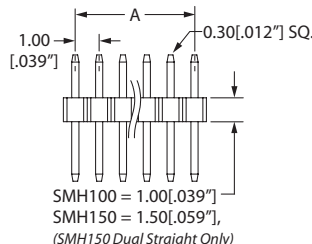
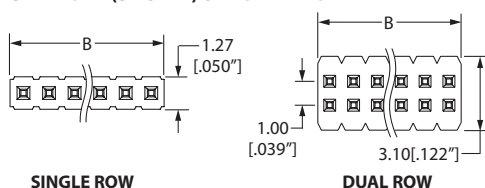
#### NUMBER OF ROWS

S = Single Row

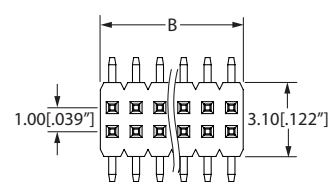
D = Dual Row

### DIMENSIONS

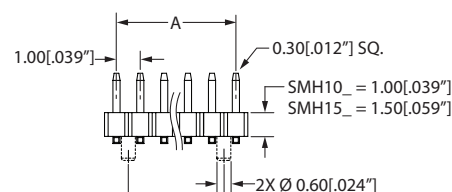
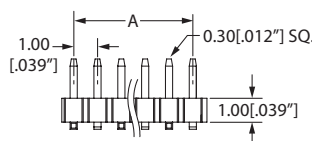
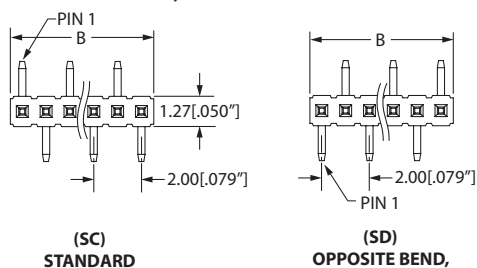
#### STRAIGHT (SHOWN) & RIGHT ANGLE



#### SURFACE MOUNT, DUAL ROW



#### SURFACE MOUNT, SINGLE ROW



#### OPTIONAL GUIDE POSTS REQUIRES (SP) TERMINATION TYPE

| POSITIONS | NUMBER OF CONTACTS<br>SINGLE/DUAL | A     |       | B     |       | C     |       |
|-----------|-----------------------------------|-------|-------|-------|-------|-------|-------|
|           |                                   | mm    | in    | mm    | in    | mm    | in    |
| 02*       | 02/04                             | 1.00  | 0.039 | 2.00  | 0.079 | N/A   | N/A   |
| 03        | 03/06                             | 2.00  | 0.079 | 3.00  | 0.118 | 1.00  | 0.039 |
| 04        | 04/08                             | 3.00  | 0.118 | 4.00  | 0.157 | 2.00  | 0.079 |
| 05        | 05/10                             | 4.00  | 0.157 | 5.00  | 0.197 | 3.00  | 0.118 |
| 06        | 06/12                             | 5.00  | 0.197 | 6.00  | 0.236 | 4.00  | 0.157 |
| 07        | 07/14                             | 6.00  | 0.236 | 7.00  | 0.276 | 5.00  | 0.197 |
| 08        | 08/16                             | 7.00  | 0.276 | 8.00  | 0.315 | 6.00  | 0.236 |
| 09        | 09/18                             | 8.00  | 0.315 | 9.00  | 0.354 | 7.00  | 0.276 |
| 10        | 10/20                             | 9.00  | 0.354 | 10.00 | 0.394 | 8.00  | 0.315 |
| 11        | 11/22                             | 10.00 | 0.394 | 11.00 | 0.433 | 9.00  | 0.354 |
| 12        | 12/24                             | 11.00 | 0.433 | 12.00 | 0.472 | 10.00 | 0.394 |
| 13        | 13/26                             | 12.00 | 0.472 | 13.00 | 0.512 | 11.00 | 0.433 |
| 14        | 14/28                             | 13.00 | 0.512 | 14.00 | 0.551 | 12.00 | 0.472 |
| 15        | 15/30                             | 14.00 | 0.551 | 15.00 | 0.591 | 13.00 | 0.512 |
| 16        | 16/32                             | 15.00 | 0.591 | 16.00 | 0.630 | 14.00 | 0.551 |
| 17        | 17/34                             | 16.00 | 0.630 | 17.00 | 0.669 | 15.00 | 0.591 |
| 18        | 18/36                             | 17.00 | 0.669 | 18.00 | 0.709 | 16.00 | 0.630 |
| 19        | 19/38                             | 18.00 | 0.709 | 19.00 | 0.748 | 17.00 | 0.669 |
| 20        | 20/40                             | 19.00 | 0.748 | 20.00 | 0.787 | 18.00 | 0.709 |
| 21        | 21/42                             | 20.00 | 0.787 | 21.00 | 0.827 | 19.00 | 0.748 |
| 22        | 22/44                             | 21.00 | 0.827 | 22.00 | 0.866 | 20.00 | 0.787 |
| 23        | 23/46                             | 22.00 | 0.866 | 23.00 | 0.906 | 21.00 | 0.827 |
| 24        | 24/48                             | 23.00 | 0.906 | 24.00 | 0.945 | 22.00 | 0.866 |
| 25        | 25/50                             | 24.00 | 0.945 | 25.00 | 0.984 | 23.00 | 0.906 |
| 26        | 26/52                             | 25.00 | 0.984 | 26.00 | 1.024 | 24.00 | 0.945 |

| POSITIONS | NUMBER OF CONTACTS<br>SINGLE/DUAL | A     |       | B     |       | C     |       |
|-----------|-----------------------------------|-------|-------|-------|-------|-------|-------|
|           |                                   | mm    | in    | mm    | in    | mm    | in    |
| 27        | 27/54                             | 26.00 | 1.024 | 27.00 | 1.063 | 25.00 | 0.984 |
| 28        | 28/56                             | 27.00 | 1.063 | 28.00 | 1.102 | 26.00 | 1.024 |
| 29        | 29/58                             | 28.00 | 1.102 | 29.00 | 1.142 | 27.00 | 1.063 |
| 30        | 30/60                             | 29.00 | 1.142 | 30.00 | 1.181 | 28.00 | 1.102 |
| 31        | 31/62                             | 30.00 | 1.181 | 31.00 | 1.220 | 29.00 | 1.142 |
| 32        | 32/64                             | 31.00 | 1.220 | 32.00 | 1.260 | 30.00 | 1.181 |
| 33        | 33/66                             | 32.00 | 1.260 | 33.00 | 1.299 | 31.00 | 1.220 |
| 34        | 34/68                             | 33.00 | 1.299 | 34.00 | 1.339 | 32.00 | 1.260 |
| 35        | 35/70                             | 34.00 | 1.339 | 35.00 | 1.378 | 33.00 | 1.299 |
| 36        | 36/72                             | 35.00 | 1.378 | 36.00 | 1.417 | 34.00 | 1.339 |
| 37        | 37/74                             | 36.00 | 1.417 | 37.00 | 1.457 | 35.00 | 1.378 |
| 38        | 38/76                             | 37.00 | 1.457 | 38.00 | 1.496 | 36.00 | 1.417 |
| 39        | 39/78                             | 38.00 | 1.496 | 39.00 | 1.535 | 37.00 | 1.457 |
| 40        | 40/80                             | 39.00 | 1.535 | 40.00 | 1.575 | 38.00 | 1.496 |
| 41        | 41/82                             | 40.00 | 1.575 | 41.00 | 1.614 | 39.00 | 1.535 |
| 42        | 42/84                             | 41.00 | 1.614 | 42.00 | 1.654 | 40.00 | 1.575 |
| 43        | 43/86                             | 42.00 | 1.654 | 43.00 | 1.693 | 41.00 | 1.614 |
| 44        | 44/88                             | 43.00 | 1.693 | 44.00 | 1.732 | 42.00 | 1.654 |
| 45        | 45/90                             | 44.00 | 1.732 | 45.00 | 1.772 | 43.00 | 1.693 |
| 46        | 46/92                             | 45.00 | 1.772 | 46.00 | 1.811 | 44.00 | 1.732 |
| 47        | 47/94                             | 46.00 | 1.811 | 47.00 | 1.850 | 45.00 | 1.772 |
| 48        | 48/96                             | 47.00 | 1.850 | 48.00 | 1.890 | 46.00 | 1.811 |
| 49        | 49/98                             | 48.00 | 1.890 | 49.00 | 1.929 | 47.00 | 1.850 |
| 50        | 50/100                            | 49.00 | 1.929 | 50.00 | 1.969 | 48.00 | 1.890 |

\* Position 2 not available with guide posts.