

## Straight Boardmount Sockets

- 1 – 36 contacts in one row,  
2 – 72 contacts in two rows  
3 – 108 Contacts in three rows
- Tuning fork contact design
- Gold, tin/lead or pure tin plating
- Standard or high temperature body
- Solder standoffs facilitate production wave soldering
- Optional board retention feature
- Custom versions available

### Physical

#### Insulation

##### Standard Temperature

|               |                              |
|---------------|------------------------------|
| Material:     | Glass filled Polyester (PBT) |
| Flammability: | UL 94 V-0                    |
| Color:        | Black                        |

##### High Temperature

|               |                                  |
|---------------|----------------------------------|
| Material:     | High performance Polyester (PCT) |
| Flammability: | UL 94 V-0                        |
| Color:        | Black                            |

#### Contact

|           |              |
|-----------|--------------|
| Material: | Copper Alloy |
|-----------|--------------|

#### Plating Options

##### 0,25µm Gold (all over)

|               |                                |
|---------------|--------------------------------|
| Underplating: | 1,27µm (50µ") Ni               |
| Wiping Area:  | 0,25µm (10µ") AuCo 0,2 minimum |
| Solder Tails: | flash AuCo 0,2                 |

##### 0,76µm Gold (Selective)

|               |                                         |
|---------------|-----------------------------------------|
| Underplating: | 1,27µm (50µ") Ni                        |
| Wiping Area:  | 0,76µm (30µ") AuCo 0,2 minimum          |
| Solder Tails: | 2,54µm (100µ") SnPb30 (alternat. Sn100) |

#### Tin Lead

|               |                       |
|---------------|-----------------------|
| Underplating: | 1,27µm (50µ") Ni      |
| Wiping Area:  | 2,54µm (100µ") SnPb30 |
| Solder Tails: | 2,54µm (100µ") SnPb30 |

#### Lead Free (Pure Tin)

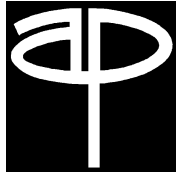
|               |                      |
|---------------|----------------------|
| Underplating: | 1,27µm (50µ") Ni     |
| Wiping Area:  | 2,54µm (100µ") Sn100 |
| Solder Tails: | 2,54µm (100µ") Sn100 |

### Electrical

|                        |                                    |
|------------------------|------------------------------------|
| Current Rating:        | 1 A                                |
| Insulation Resistance: | > 5 x 10 <sup>9</sup> Ω at 500V DC |
| Withstanding Voltage:  | 1500 V DC at sea level             |

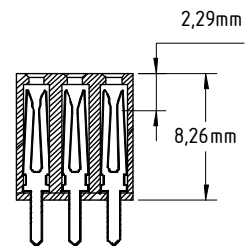
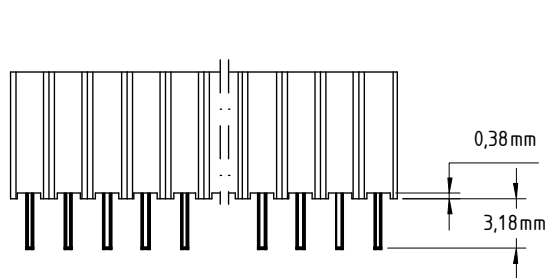
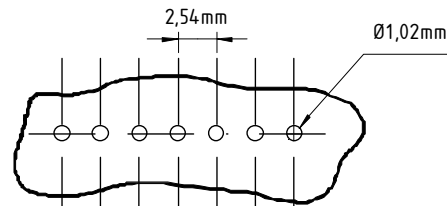
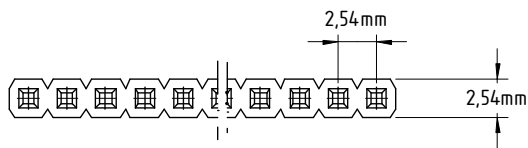
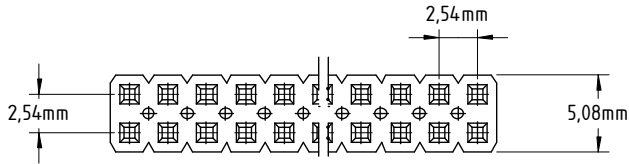
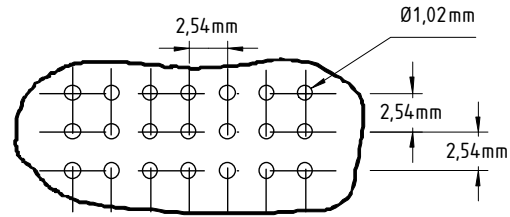
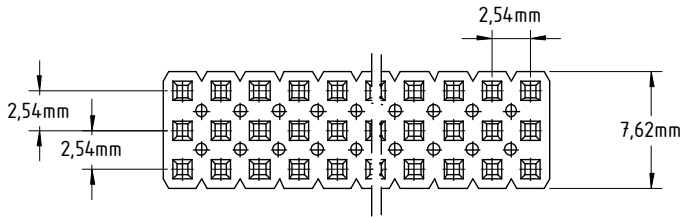
### Environmental

|                     |                   |                        |
|---------------------|-------------------|------------------------|
| Temperature Rating: | -40 °C to +105 °C | (Standard Temperature) |
|                     | -40 °C to +230 °C | (High Temperature)     |



# Series 235P

Recommended Mounting Hole Patterns



## Ordering Information

### 9x9xxx-01-xx-xx

**Product Option:**

- 2 = Standard Product without Kinked Tail
- R = Standard Product with Kinked Tail as Board Retention Feature
- 3 = High Temperature Product without Kinked Tail
- K = High Temperature Product with Kinked Tail as Board Retention Feature

**1 Row Plating options:**

- 850 = all over Gold plating
- 851 = Selective Gold / Solder plating
- 974 = Solder Plating

**2 Row Plating options:**

- 852 = all over Gold plating
- 853 = Selective Gold / Solder plating
- 975 = Solder Plating

**3 Row Plating options:**

- 854 = all over Gold plating
- 855 = Selective Gold / Solder plating
- 976 = Solder Plating

**Contact Quantity perRow**

1 to 36

**Plating Suffix**

- none = Standard Product
- 10 = min 0,25 µm Au Plating
- 15 = 0,25 µm sel. Au Plating with Sn100 Solder Tails
- 20 = min 0,50 µm Au Plating
- 25 = 0,50 µm sel. Au Plating with Sn100 Solder Tails
- 30 = min 0,76 µm Au Plating
- 35 = 0,76 µm sel. Au Plating with Sn100 Solder Tails
- 50 = Sn100 Solder Plating

**Engineering Note:**

The information presented in this datasheet is accurate to the best of our knowledge. Due to ongoing efforts to advance design and material performance, this information is subject to change without notice.