

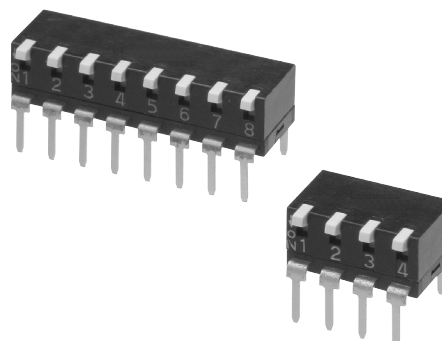
# DIP Switch (Piano Type) A6TR

## Low-profile Piano DIP Switches with a Standard Pitch of 2.54 mm for End-stackable Mounting.

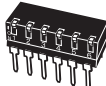
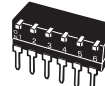
- Low-profile design with a height of only 5 mm and a 2.54-mm pitch.
- Models available with 2, 4, 6, 8, or 10 poles.
- Gold-plated twin contacts with slide-type self-cleaning mechanism for high reliability.
- RoHS Compliant

### Application

Mode setting of MPU  
Modem  
Controller of servo motor  
Coin changer  
Program controller



## Ordering Information

| No. of poles | Quantity per tube | Tube packaging                                                                      |                                                                                      |
|--------------|-------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|              |                   | Short lever                                                                         | Long lever                                                                           |
|              |                   |  |  |
| 2            | 95                | A6TR-2101                                                                           | A6TR-2104                                                                            |
| 4            | 47                | A6TR-4101                                                                           | A6TR-4104                                                                            |
| 6            | 31                | A6TR-6101                                                                           | A6TR-6104                                                                            |
| 8            | 23                | A6TR-8101                                                                           | A6TR-8104                                                                            |
| 10           | 18                | A6TR-0101                                                                           | A6TR-0104                                                                            |

**Note:** Order in multiples of the quantities given for each package.

## Specifications

### ■ Characteristics

|                               |                        |                                                                                           |
|-------------------------------|------------------------|-------------------------------------------------------------------------------------------|
| Switching capacity            |                        | 25 mA at 24 VDC                                                                           |
| Minimum permissible load      |                        | 10 $\mu$ A at 3.5 VDC                                                                     |
| Contact resistance            |                        | 200 m $\Omega$ max.                                                                       |
| Insulation resistance         |                        | 100 M $\Omega$ min. (at 250 VDC)                                                          |
| Dielectric strength           |                        | 500 VAC for 1 min between terminals                                                       |
| Operating force               |                        | 30.5 to 795 gf (0.3 to 7.8 N)                                                             |
| Vibration resistance          | Malfunction Durability | 10 to 55 Hz, 1.5-mm double amplitude                                                      |
| Shock resistance              | Malfunction Durability | 300 m/s <sup>2</sup> min. (approx. 30G min.)                                              |
| Service life                  | Electrical             | 1,000 operations min.                                                                     |
| Ambient operating temperature |                        | –20 to 70°C at 60% RH max. (with no icing or condensation)                                |
| Ambient operating humidity    |                        | 35% to 95% (at 5 to 35°C)                                                                 |
| Weight                        |                        | 0.25 g (2 poles), 0.50 g (4 poles), 0.76 g (6 poles), 1.02 g (8 poles), 1.28 g (10 poles) |

**Note:** Data shown are of initial value

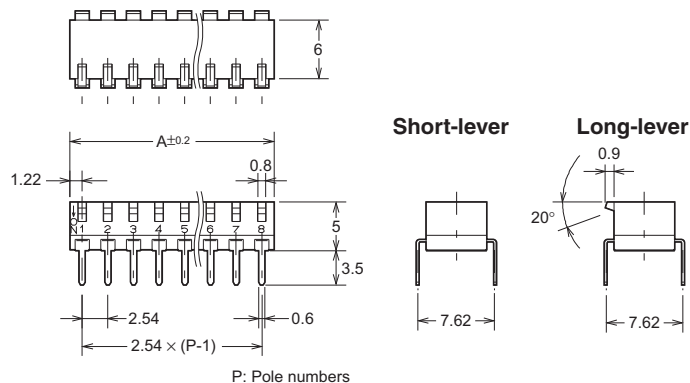
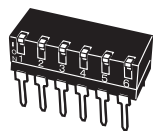
# Dimensions

**Note:** 1. All units are in millimeters unless otherwise indicated.  
2. Unless otherwise specified, a tolerance of  $\pm 0.4$  mm applies to all dimensions.

## Through hole terminal Short lever / Long lever

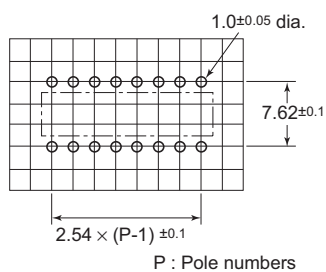
A6TR-□101

A6TR-□104



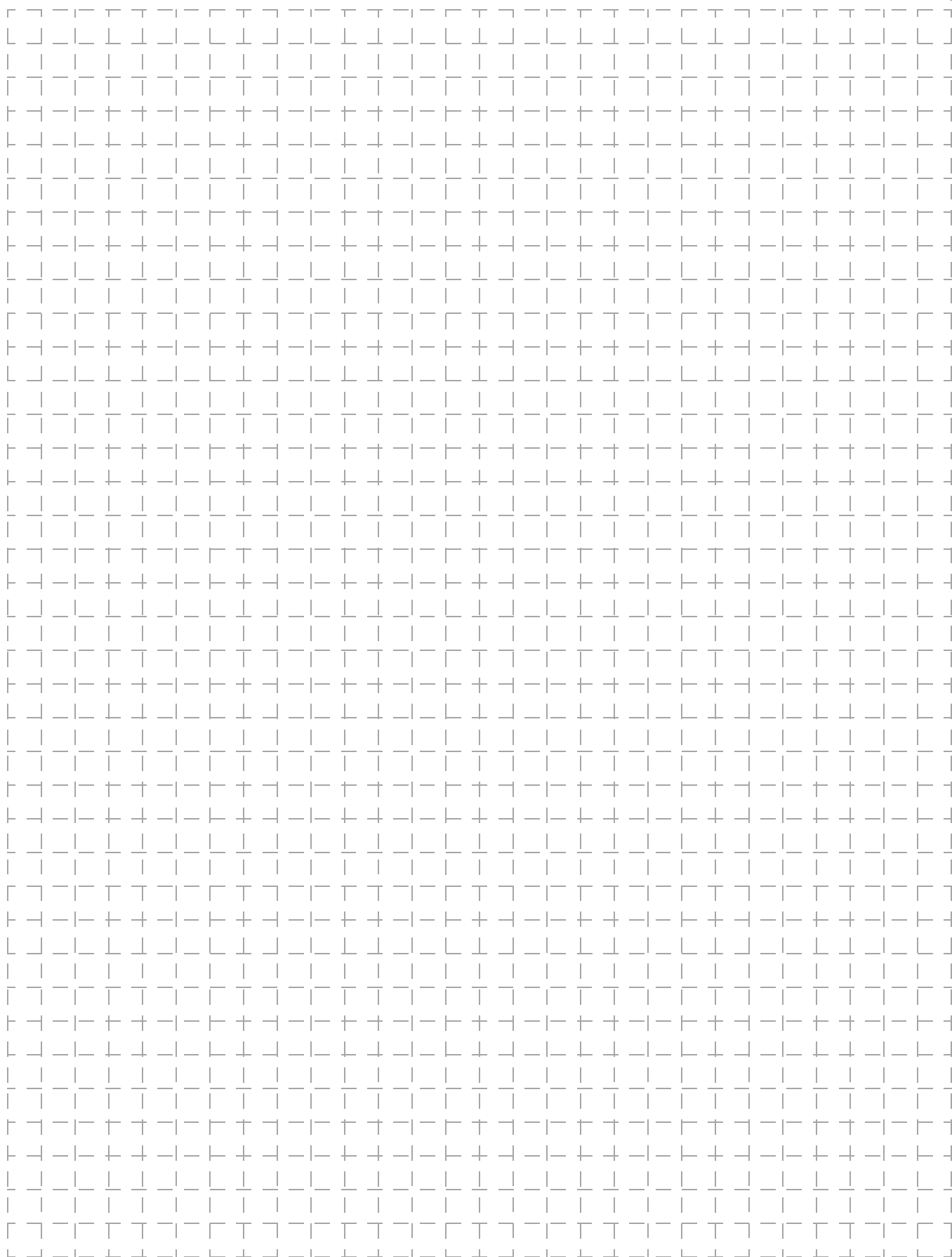
| No. of poles | Model       |            | Dimension A |
|--------------|-------------|------------|-------------|
|              | Short lever | Long lever |             |
| 2            | A6TR-2101   | A6TR-2104  | 4.98        |
| 4            | A6TR-4101   | A6TR-4104  | 10.06       |
| 6            | A6TR-6101   | A6TR-6104  | 15.14       |
| 8            | A6TR-8101   | A6TR-8104  | 20.22       |
| 10           | A6TR-0101   | A6TR-0104  | 25.30       |

## Mounting holes (top view)



## Internal connections (top view)





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**ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.**

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

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[A6TR-8104](#)