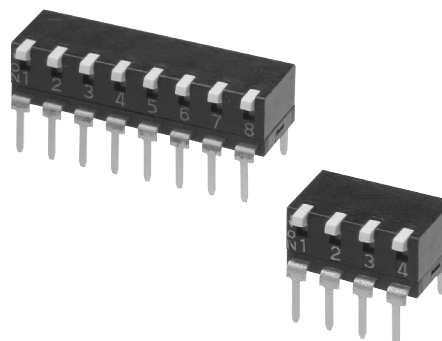


# DIP Switch (Piano Type) A6TR

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

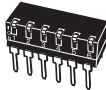
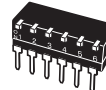
- Low-profile design with a height of only 5 mm and a 2.54-mm pitch.
- Models available with 2, 4, 6, 8, or 10 poles.
- Gold-plated twin contacts with slide-type self-cleaning mechanism for high reliability.
- RoHS Compliant



### 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

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

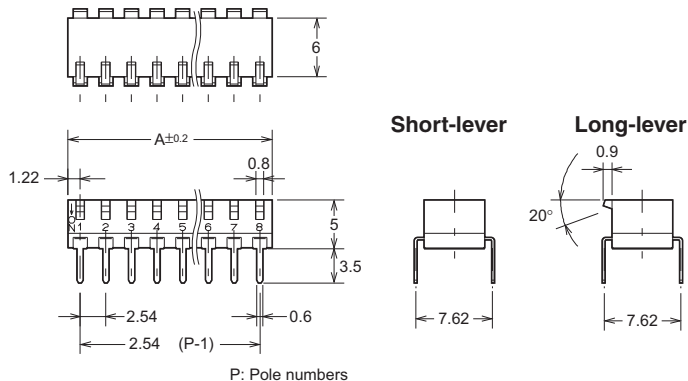
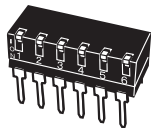
**Note:** Data shown are of initial value

# 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.

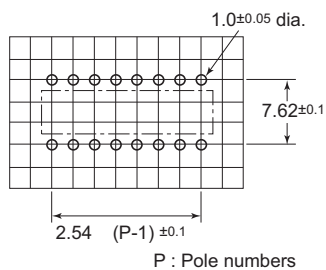
## Through hole terminal Short lever / Long lever

A6TR-□101  
 A6TR-□104

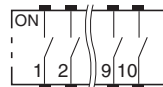


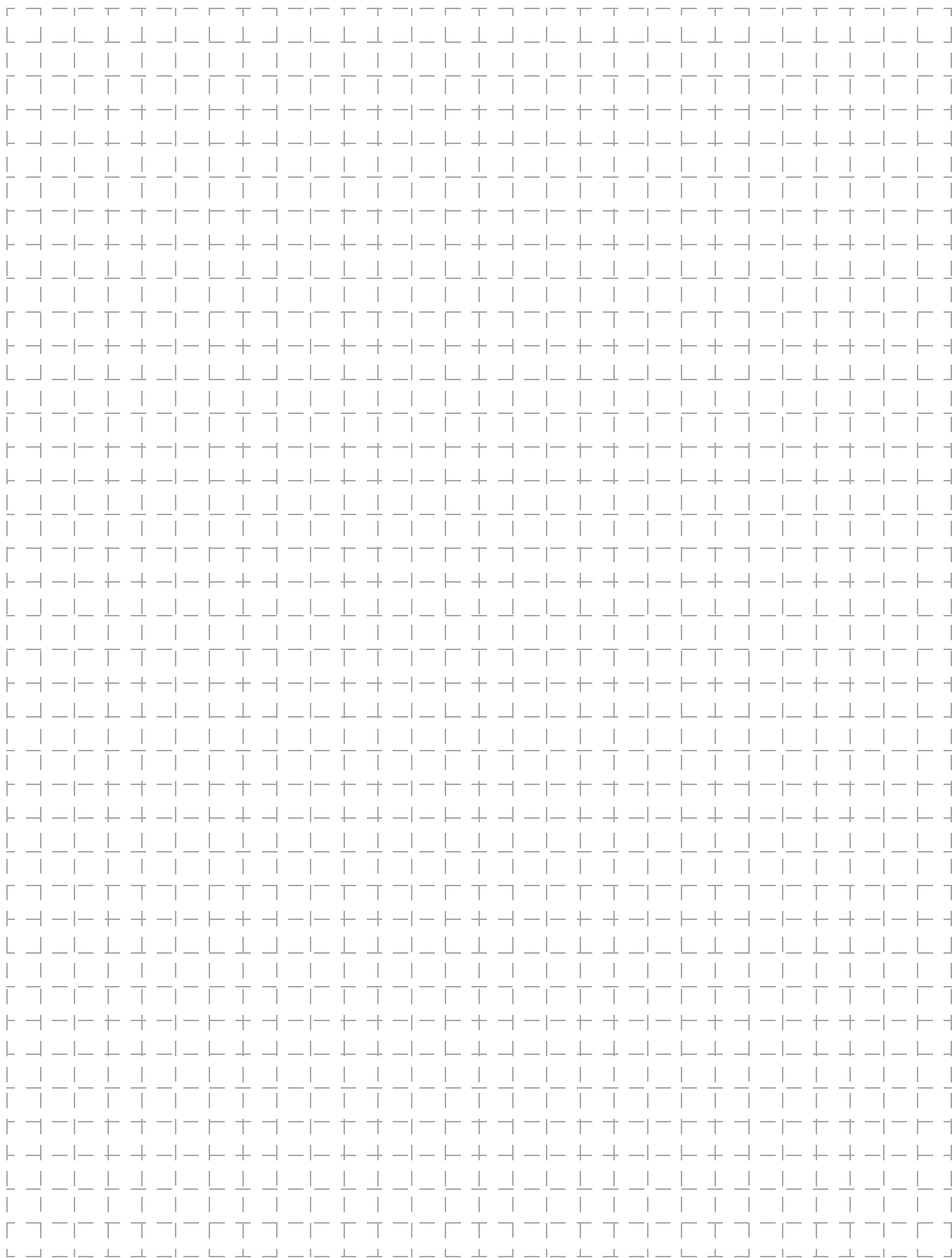
No. of poles	Model		Dimension A
	Short lever	Long lever	
2	A6TR-2101	A6TR-2104	4.98
4	A6TR-4101	A6TR-4104	10.06
6	A6TR-6101	A6TR-6104	15.14
8	A6TR-8101	A6TR-8104	20.22
10	A6TR-0101	A6TR-0104	25.30

### Mounting holes (top view)



### Internal connections (top view)





All sales are subject to Omron Electronic Components LLC standard terms and conditions of sale, which can be found at [http://www.components.omron.com/components/web/webfiles.nsf/sales\\_terms.html](http://www.components.omron.com/components/web/webfiles.nsf/sales_terms.html)

**ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.**

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

---

**OMRON**<sup>®</sup>

**OMRON ELECTRONIC  
COMPONENTS LLC**

55 E. Commerce Drive, Suite B  
Schaumburg, IL 60173

**847-882-2288**

**OMRON ON-LINE**

Global - <http://www.omron.com>

USA - <http://www.components.omron.com>