TDA Series
Ultra-miniature Surface Mount Half-pitch DIP Switches

**Features/Benefits**
- Bifurcated contact for increased electrical reliability
- Process sealed for surface mount soldering and washable processing
- RoHS compliant

**Typical Applications**
- Hand-held electronic devices
- Portable computer and electronic devices
- Instrumentation and controls

**Specifications**

**SWITCH FUNCTION:** SPST – 1, 2, 4, 6, 8 & 10 positions.

**CONTACT RATING:**
- 24 V DC, 25 mA (switching).
- 50 V DC, 100 mA (steady state).

**MECHANICAL AND ELECTRICAL LIFE:** 1,000 cycles.

**CONTACT RESISTANCE:** 100 mΩ max.

**INSULATION RESISTANCE:** 100 MΩ @ 100 V DC min.

**DIELECTRIC STRENGTH:** 300 V AC min.

**STORAGE TEMPERATURE:** -40°C to 85°C.

**OPERATING TEMPERATURE:** -40°C to 85°C.

**OPERATING FORCE:** 4.9N max.

**SOLDERABILITY:** Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).

**Materials**

**CASE & COVER:** PPS (UL94V-0)

**ACTUATOR:** LCP (UL94V-0).

**CONTACTS:** Copper alloy, with gold plate over nickel plate.

**TERMINALS:** Copper alloy, with gold flash over nickel plate.

**TAPE SEAL:** Polyimide.

**Note:** Specifications and materials listed above are for switches with standard options.

**Note:** All switches supplied in “OFF” position.

**How To Order**

The Build-A-Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box.

All switches supplied in “OFF” position.

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**Number of Positions**

NEW
- TDA01*
- TDA02
- TDA04
- TDA06
- TDA08
- TDA10

**Flush Actuator**
- H0

**Terminations**
- S
- J*

**Contact material**
- B

**Sealed**
- 1

**Packaging**
- NONE
- Tubes
- R
- T/R

* TDA01H0JB1R is not available, TDA01 only offered in tape & reel

Dimensions are shown: mm
Specifications and dimensions subject to change

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Specifications and dimensions subject to change

Tape & Reel Package

<table>
<thead>
<tr>
<th>ROHS</th>
<th>PART NUMBER</th>
<th>NO.</th>
<th>DIM. 'A'</th>
<th>QUANTITY PER REEL</th>
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</thead>
<tbody>
<tr>
<td>TDA01H0SB1R*</td>
<td>1</td>
<td>16,0</td>
<td>2500</td>
<td></td>
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<td>TDA02H0_B1R</td>
<td>2</td>
<td>16,0</td>
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<td>16,0</td>
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<td>24,0</td>
<td>2000</td>
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</tr>
</tbody>
</table>

* see next page for TDA01 tape & reel drawing

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Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

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