

# DHS SERIES 1/2 PITCH SPST SURFACE MOUNT DIP SWITCHES

## FEATURES

Ultra-compact low-profile size.  
 .050" (1.27mm) terminal spacing.  
 Self-cleaning twin point contacts.  
 Auto-insertable and reflow solderable.  
 Process compatible with std'd. tape seal.

## GENERAL SPECIFICATIONS

### ELECTRICALS

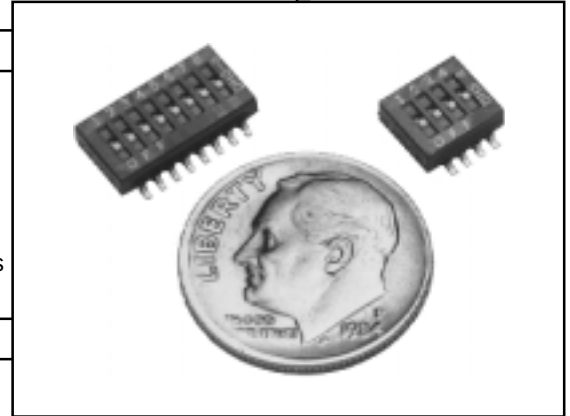
|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Electrical life               | 1000 cycles minimum                                       |
| Contact rating, non-switching | 100 mA at 50 VDC                                          |
| Contact rating, switching     | 100 mA at 6 VDC                                           |
| Contact resistance            | 100 m $\Omega$ maximum                                    |
| Insulation resistance         | 100 M $\Omega$ minimum                                    |
| Dielectric strength           | 250 VDC for 1 min. between adjacent or opposite terminals |
| Capacitance                   | 5 pf. max. between adjacent or opposite terminals         |

### MECHANICALS, THERMALS

|                             |                                                              |
|-----------------------------|--------------------------------------------------------------|
| Operating force             | 400 grams maximum                                            |
| Vibration                   | 10-55 Hz. per MIL-STD-202F, METHOD 201A                      |
| Shock                       | 50 g (peak value) for 11 msec. per MIL-STD-202F, METHOD 213B |
| Operating temperature range | -40°C to +80°C                                               |

### SOLDERING & CLEANING RECOMMENDATIONS

|                                                |                                                                                                  |
|------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Hand soldering                                 | 330°C max. for 3 seconds max. (30 watt iron max.)                                                |
| Reflow soldering                               | Set oven at 215°C max. for 90 seconds max.                                                       |
| Cleaning<br>(with standard tape seal in place) | 1-1-1 Trichloroethane, Freon TE, Isopropyl alcohol or aqueous cleaner for 2 minutes max. at 20°C |



## MATERIALS

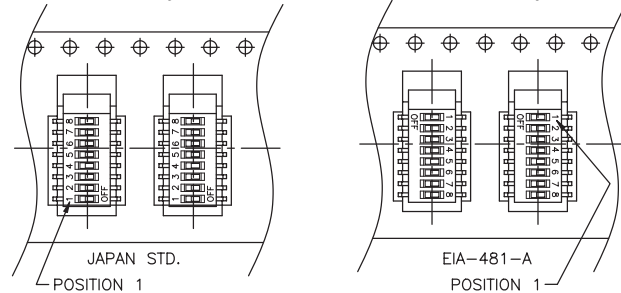
|               |                                        |
|---------------|----------------------------------------|
| Base          | UL94V-O, glass fiber filled PPS, black |
| Cover         | UL94V-O, glass fiber filled PPS, black |
| Actuators     | UL94V-O, Polyamide, yellow             |
| Contacts      | Gold plated beryllium copper           |
| Terminals     | Gold plated copper alloy               |
| Terminal seal | Epoxy                                  |
| Tape seal     | Polyimide                              |

## PACKAGING

Supplied in tape & reel packaging.  
 Reel & tape meets the requirements of EIA-481-A.

### S Style

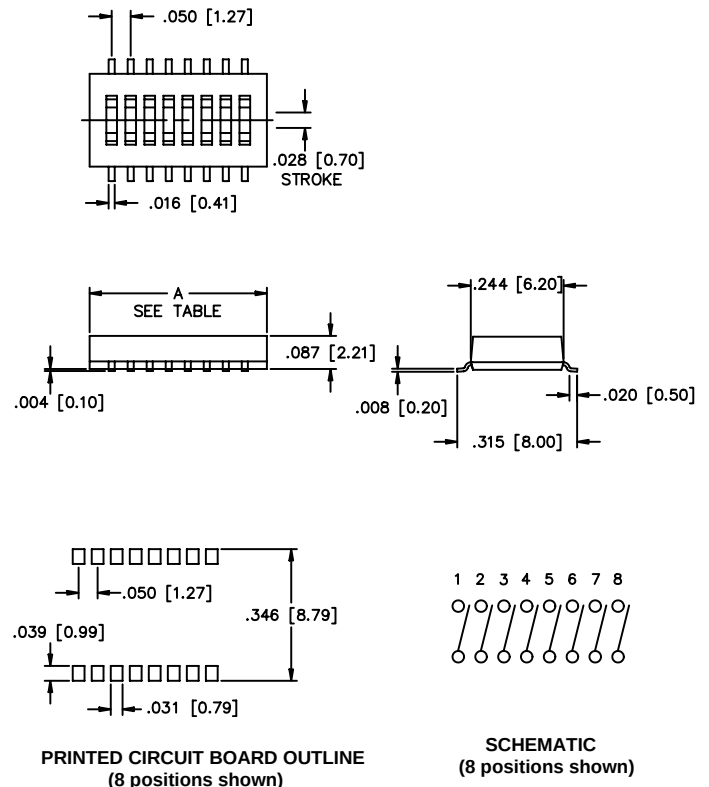
### SR/TC Style



| MODEL NUMBER | NO. OF POS. | A DIMENSION       |                  |
|--------------|-------------|-------------------|------------------|
|              |             | IN( $\pm 0.012$ ) | MM( $\pm 0.30$ ) |
| DHS4S        | 4           | .268              | 6.81             |
| DHS6S        | 6           | .368              | 9.35             |
| DHS8S        | 8           | .468              | 11.89            |
| DHS10S       | 10          | .568              | 14.43            |

Note: S at end of model no. indicates **S** style packaging. Substitute SR/TC for S for **SR/TC** packaging.

## MECHANICAL OUTLINE



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# AMEYA360

Components Supply Platform

Authorized Distribution Brand :



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