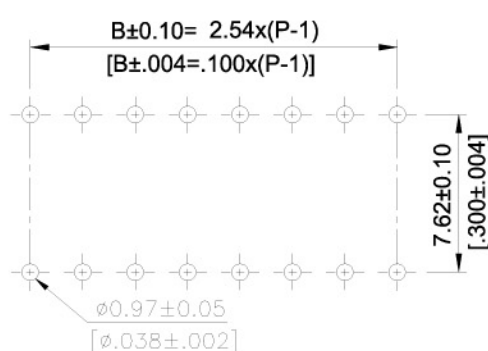
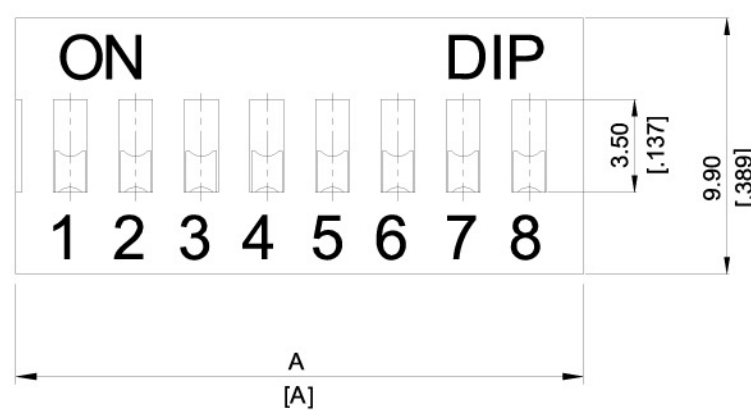


DIMENSIONS

DS(R)

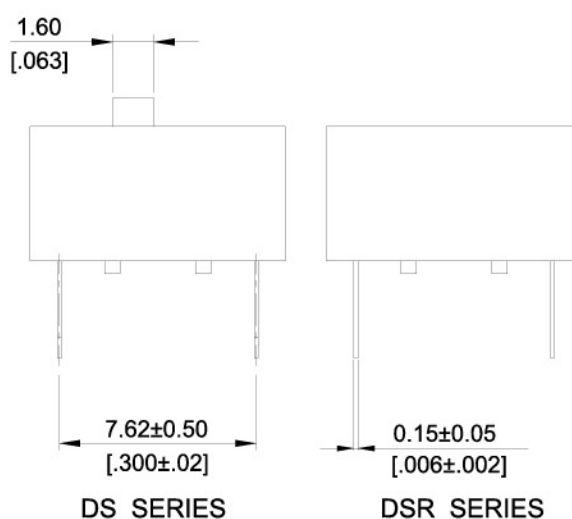
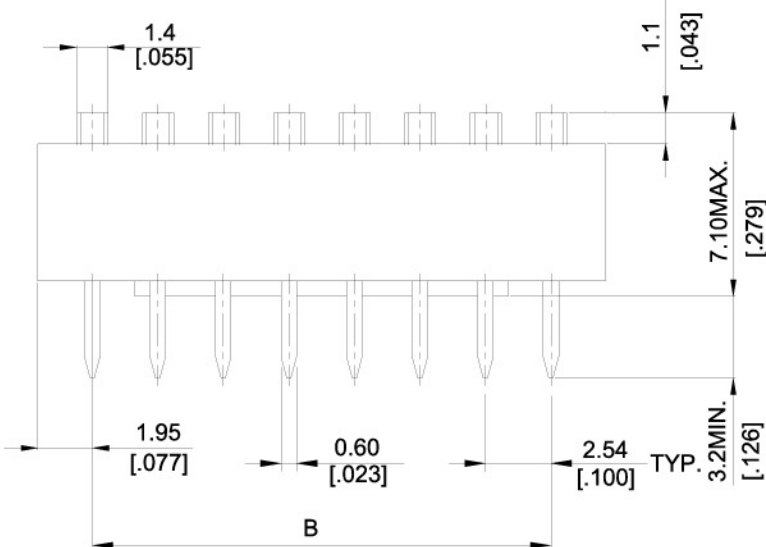
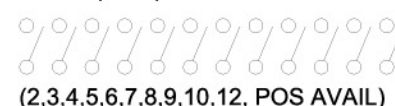


P.C.B. LAYOUT

DS -12-V	12	31.84[1.254]	27.94[1.100]
DSR-12-V	12	31.84[1.254]	27.94[1.100]
DS -10-V	10	26.76[1.054]	22.86[.900]
DSR-10-V	10	26.76[1.054]	22.86[.900]
DS -09-V	9	24.22[.954]	20.32[.800]
DSR-09-V	9	24.22[.954]	20.32[.800]
DS -08-V	8	21.68[.854]	17.78[.700]
DSR-08-V	8	21.68[.854]	17.78[.700]
DS -07-V	7	19.14[.754]	15.24[.600]
DSR-07-V	7	19.14[.754]	15.24[.600]
DS -06-V	6	16.60[.654]	12.70[.500]
DSR-06-V	6	16.60[.654]	12.70[.500]
DS -05-V	5	14.06[.554]	10.16[.400]
DSR-05-V	5	14.06[.554]	10.16[.400]
DS -04-V	4	11.52[.454]	7.62[.300]
DSR-04-V	4	11.52[.454]	7.62[.300]
DS -03-V	3	8.98[.354]	5.08[.200]
DSR-03-V	3	8.98[.354]	5.08[.200]
DS -02-V	2	6.44[.254]	2.54[.100]
DSR-02-V	2	6.44[.254]	2.54[.100]
DS -01-V	1	3.90[.153]	-
DSR-01-V	1	3.90[.153]	-

PROD. NO. NO. OF POS. DIM. A DIM. B

SCHEMATIC(TYP.)



DS SERIES

DSR SERIES

General Tolerance : ±0.2mm

SPECIFICATION

△MECHANICAL

Mechanical Life: 2,000 operations per switch.
 Operation Force: 400gf max. (DP Series)
 1,000gf max. (DS & DA Series)
 Stroke: 2.0mm
 Operation Temperature: -20°C to +70°C
 Storage Temperature: -40°C to +85°C

△ELECTRICAL

Electrical Life: 2,000 operations per switch 24VDC, 25mA
 Non-Switching Rating: 100mA , 50VDC
 Switching Rating: 25mA , 24VDC
 Contact Resistance: 50mΩ max. at initial
 Insulation Resistance:{at 500 VDC} 100MΩ min.
 Dielectric Strength: 500VAC / 1 minute
 Circuit: SPST

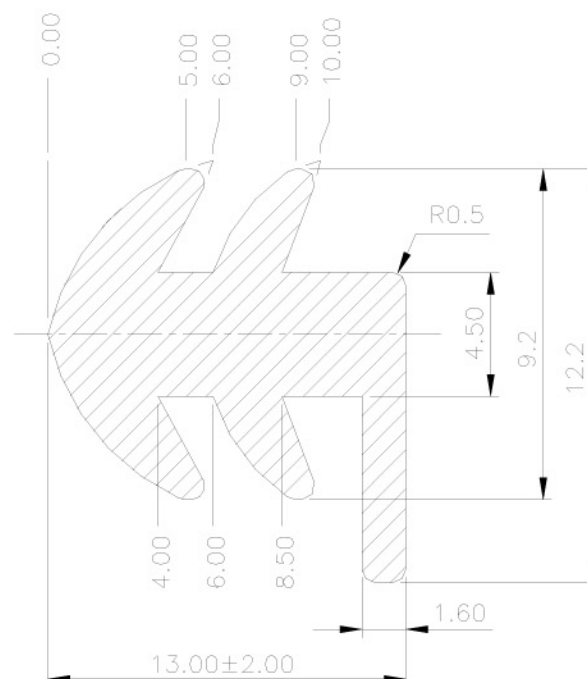
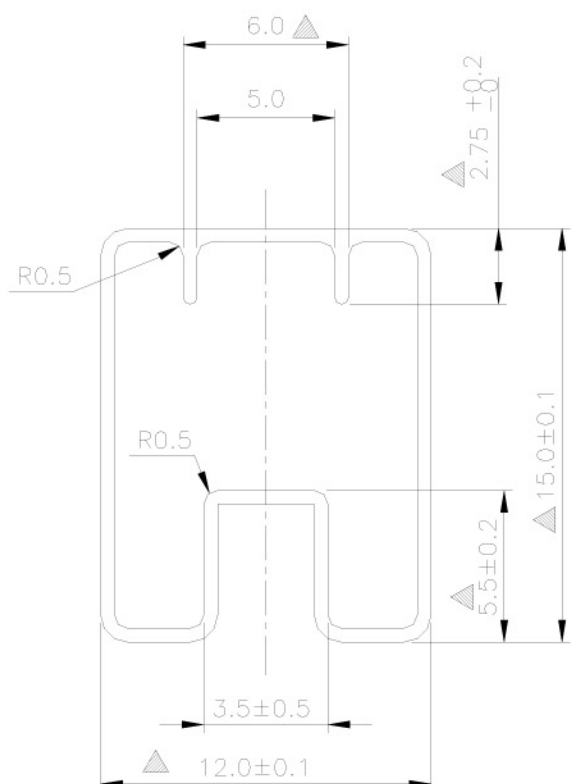
MATERIAL

- △BASE: UL94V-0 PBT Thermoplastic
Color: Black
- △COVER UL94V-0 PBT Thermoplastic
Color: Red, Black, Blue
- △ACTUATOR: UL94V-0 PBT High Thermoplastic
Color: White
- △CONTACT: Phosphor bronze with gold plating over nickel
- △TOP SEAL: Polyester Film
- △POTTING MATERIAL: Epoxy

SOLDERING PROCESS

- △Keep all switch contacts in their "OFF" position for all operations.
- △WAVE SOLDERING: Recommended temperature at 500°F (260°C) max. 5 seconds for through hole type.
- △HAND SOLDERING: Use a soldering iron of 30 watts, controlled at 350°C approximately max 5 seconds.
- △Make sure switch is in "OFF" position during soldering process, or it will decrease the operating force and meanwhile increase the contact resistance.
- △Do not wash the switch body except top tape sealed type, which suitable for spray cleaning method from top of the s/w.

DS(R)



General Tolerance : ±0.2mm