FEATURES

1. Splay terminals allow for automatic insertion by IC insertion machine.
2. Straight terminals are available for manual insertion.
3. Insert molding of terminals and ultrasonic welding improve flux proofness and enable flux washing in whole by top tape sealing.
4. NDI series (raised actuator) and NDIR series (recessed actuator) available for different purposes.
5. Double contacts offers high reliability.
6. Vapor phase solderable, IR-reflow solderable.

SPECIFICATIONS

CONTACT RATING: 25mA @24 VDC (switching Rating)
100mA @50VDC (non-switching Rating)
ELECTRICAL LIFE: 2000 operations min. @ 24VDC, 25mA
CONTACT RESISTANCE: 50 mΩ max. initial
INSULATION RESISTANCE: 100 MΩ min. at 500 VDC
DIELECTRIC STRENGTH: 500 V AC /1 min
OPERATION FORCE: 1000 gf max
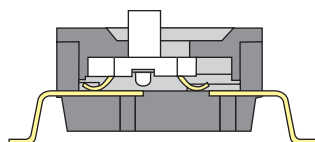STORAGE TEMPERATURE: -40°C to 85°C
CIRCUIT: SPST

MATERIALS

COVER: UL94V-0 PPS, Thermoplastic(Black)
BASE: UL94V-0 PPS, Thermoplastic(Black)
ACTUATOR: UL94V-0 Nylon, Thermoplastic(white)
CONTACT PLATING: Gold plating over nickel
TERMINAL PLATING: Gold plated

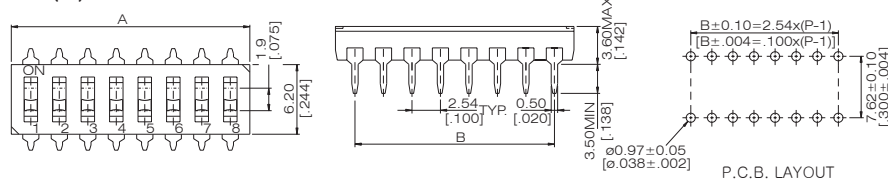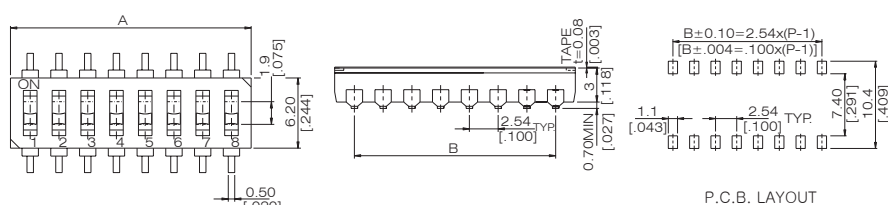## CONTACT SYSTEM OF NDI(R) & DM(R) SERIES
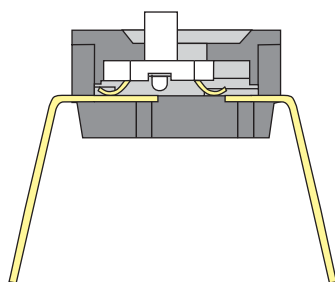
NDI(R) SERIES

DM(R) SERIES

DIMENSIONS

NDI(R)

P.C.B. LAYOUT

DM(R)

P.C.B. LAYOUT

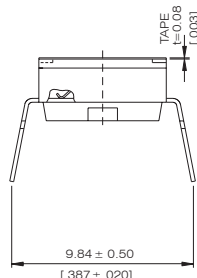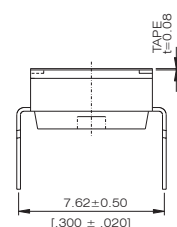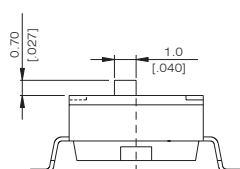## TERMINAL TYPE
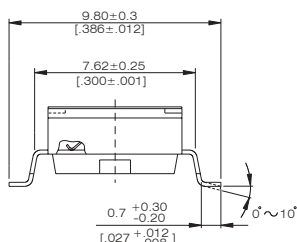
DMR SERIES

NDIR - □□S


NDIR - □□H

DM SERIES
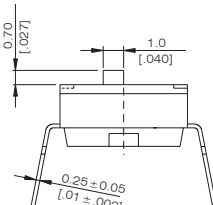
NDI - □□ S
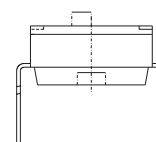
NDI - □□ H

General Tolerance: ±0.2mm(±0.008")

The dimensions in the catalogue and website are for reference only, not suitable for formal acknowledge.

INDEX | TOGGLE | ROCKER | SLIDE | PUSH BUTTON | DIP | TACT

SOLDERING AND CLEANING PROCESSES

△ Keep all switch contacts in their "OFF" position for all operations.

△ WAVE SOLDERING: Recommended solder 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 5 seconds. while applying solder.
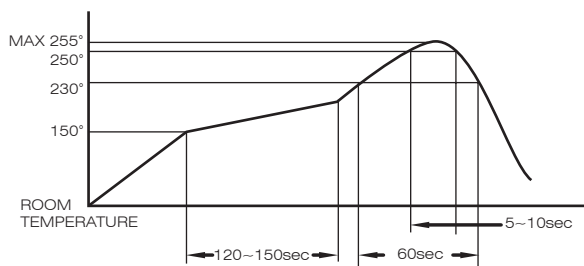
△ Reflow Temperature Profile.

△ Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.

△ Do not clean the switch body except with top tape sealed type, which can only spray of cleaning method from top s/w.

MODELS

PROD. NO.		NO.OF POS.	DIM. A	DIM. B
DM — 12 DMR — 12	NDI — 12 NDIR — 12	12	31.42[1.237]	27.94[.1.100]
DM — 10 DMR — 10	NDI — 10 NDIR — 10	10	26.34[1.037]	22.86[.900]
DM — 09 DMR — 09	NDI — 09 NDIR — 09	9	23.80[.937]	20.32[.800]
DM — 08 DMR — 08	NDI — 08 NDIR — 08	8	21.26[.837]	17.78[.700]
DM — 07 DMR — 07	NDI — 07 NDIR — 07	7	18.72[.737]	15.24[.600]
DM — 06 DMR — 06	NDI — 06 NDIR — 06	6	16.18[.637]	12.70[.500]
DM — 05 DMR — 05	NDI — 05 NDIR — 05	5	13.64[.537]	10.16[.400]
DM — 04 DMR — 04	NDI — 04 NDIR — 04	4	11.10[.437]	7.62[.300]
DM — 03 DMR — 03	NDI — 03 NDIR — 03	3	8.56[.337]	5.08[.200]
DM — 02 DMR — 02	NDI — 02 NDIR — 02	2	6.02[.237]	2.54[.100]
DM — 01 DMR — 01	NDI — 01 NDIR — 01	1	3.48[.137]	—

SCHEMATIC(TYP.)

(1,2,3,4,5,6,7,8,9,10,12, POS AVAIL)

HOW TO ORDER

☐☐☐☐-☐☐☐-☐-☐-☐

- RoHS code
  H = RoHS Compliant

- ▲Package Style
  ☐ = Tube
  T/R= Tape & Reel

- ▲SEAL:
  ☐ = Regular
  T= Top Tape Sealed

- Shape Of Terminal:
  ☐ = Regular (only for DM series)
  S= Splay Terminal
  H= Straight Terminal

- Number Of Positions:
  01 = 1 Positions
  02 = 2 Positions
  03 = 3 Positions
  04 = 4 Positions
  05 = 5 Positions
  06 = 6 Positions
  07 = 7 Positions
  08 = 8 Positions
  09 = 9 Positions
  10 = 10Positions
  12 = 12Positions

- Actuator Type:
  ☐ = Raised Actuator
  R= Recessed Actuator

- NDI= Machine Insertable Type Dip Switch

- DM= Surface Mounting Type Dip Switch

INDEX

TOGGLE

ROCKER

SLIDE

PUSH BUTTON

DIP

TACT