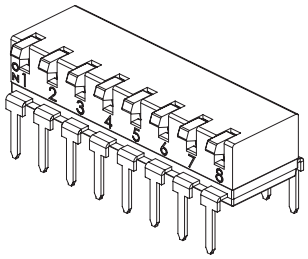
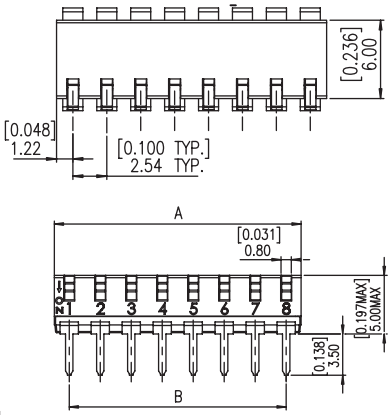
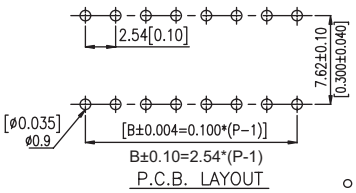
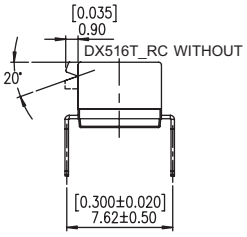
DIP Switches

End Stackable Piano Type DIP Switches — DX516 Series





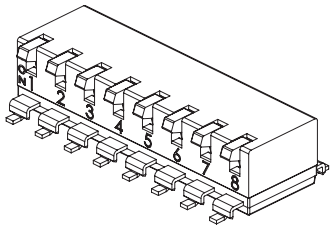


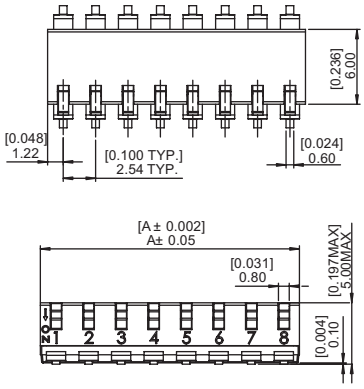


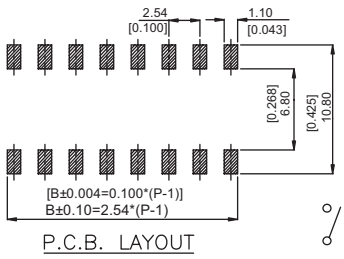
(2,4,6,8,10 POS AVAIL)
SCHEMATIC(TYP .)

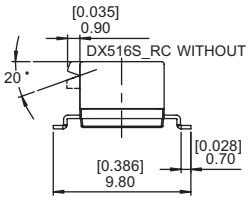
DX516T_ _ _ _ THT Terminals

General Tolerance ：±0.2mm









(2,4,6,8,10 POS AVAIL)
SCHEMATIC(TYP .)

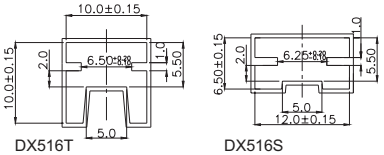
DX516S_ _ _ _ SMT Terminals

General Tolerance ：±0.2mm

Dimention A & B:

DX516_10	10	25.30[.996]	22.86[.900]
DX516_08	8	20.22[.796]	17.78[.700]
DX516_06	6	15.14[.596]	12.70[.500]
DX516_04	4	10.06[.400]	7.62[.300]
DX516_02	2	4.98[.196]	2.54[.100]
PROD. NO.	NO. OF POS.	DIM. A	DIM. B

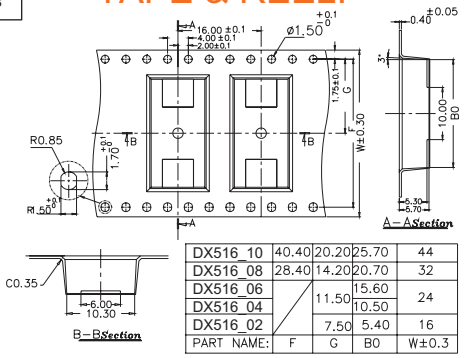
Tube Dimension:



Packing Unit:

DX516_10	18	-
DX516_08	23	-
DX516_06	31	-
DX516_04	47	-
DX516_02	95	-
DX516S-02. 04.06.08.10		700
PROD.NO	NO.PER TUBE	NO. PER REEL

TAPE & REEL:



DX516_10	40.40	20.20	25.70	44
DX516_08	28.40	14.20	20.70	32
DX516_06		11.50	15.60	24
DX516_04			10.50	
DX516_02		7.50	5.40	16
PART NAME:	F	G	B0	W±0.3

How to order:

DX516 [1] [2] [3] [4] [5]

[1] TYPE OF TERMINALS:
- T THT Terminals
- S SMT Terminals

[2] ACTUATOR TYPE
- RA Raised Actuator
- RC Recessed Actuator

[3] NO. OF POSITIONS:
- 02 2 Positions
- 04 4 Positions
- 06 6 Positions
- 08 8 Positions
- 10 10 Positions

[4] ON/OFF-POSITION
- 1 Push Down ON (Standard)
- 0 Push Down OFF

[5] PACKAGE STYLE:
- TB Tube
- TR Tape & Reel (only S.M.T)

General Specifications:

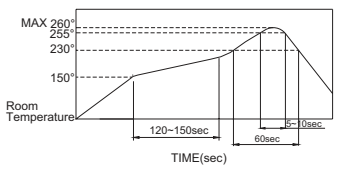
MATERIALS:
- » Cover: UL 94V-0 Nylon High-Temp Thermoplastic Black
- » Base: UL 94V-0 Nylon High-Temp Thermoplastic Black
- » Actuator: UL 94V-0 Nylon High-Temp Thermoplastic White
- » Contact: Alloy Copper with gold cladding
- » Terminal: Brass with gold cladding

MECHANICAL:
- » Mechanical Life: 2,000 cycles
- » Operation Force: 800 gf
- » Operation Temperature: -20°C to +85°C
- » Storage Temperature: -40°C to +85°C

ELECTRICAL:
- » Electrical Life: 2,000 cycles
- » Rating: 25mA, 24VDC
- » Circuit: Single pole single throw
- » Contact Resistance:100mΩ max,at 500VDC
- » Insulation Resistance: 100M Ω max.,at 500VDC
- » Dielectric Strength: 500VAC / 1 minute

SOLDERING PROCESSES:
- » Wave Soldering: Recommended solder temperature at 260°C max. 5 seconds for THT type.
- » Hand Soldering: Use a soldering iron of 30 watts, controlled at 350°C approximately max 5 seconds while applying solder.
- » Reflow Soldering: When applying reflow soldering, the peak temperature or the reflow oven should be set at 260°C max.
- » Do not wash the switch except top tape sealed type, which suitable for spray cleaning method from top of the s/w.

Reflow Temperature Proflie:



All specifications are restricted to QA test criteria.
DRW: B.R. JIN, CHK: P.G. GAO, APP: F. H. KANG, DC: 2013-08-15. UPD: 2025-04-10.