

GDS Series

Ultra Low Profile Micro Mini Side Actuated Detect Switch

Features/Benefits

- ***Ultra low profile package sits just 1.0 mm off PCB***
- ***Design allows x or y axis actuation***
- ***Low actuation force, 30 grams max.***
- ***Pick and place compatible, available in tape & reel packaging***
- ***RoHS compliant and compatible***

Typical Applications

- **Consumer electronics**
- **Computers**
- **Medical devices**
- **Mobile Communication Devices**
- **ATCA and MicroTCA devices**



Specifications

CONTACT RATING: 1 mA 5 VDC

MECHANICAL AND ELECTRICAL LIFE: 50.000 cycles min.

CONTACT RESISTANCE: 1 Ω max. initial.

INSULATION RESISTANCE: 100 M Ω min. between adjacent contacts.

OPERATING TEMPERATURE: -20°C to + 70°C

STORAGE TEMPERATURE: -30°C to + 80°C

PACKAGING: Tape & reel, 5000 pieces per reel

TRAVEL:

Pre-travel .3 mm min.

Overtravel: .9 mm min.

Total: 1.6 mm min.

Materials

BASE: LCP

COVER: PA 46 (UL94V-0)

ACTUATOR: PA 46 (UL94V-0)

MOVABLE BLADE: Stainless Steel, Ag over Ni plating.

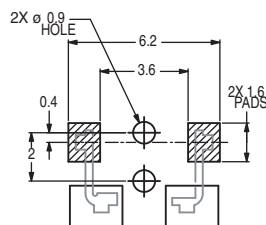
TERMINALS: Phosphor Bronze, Ag over Ni plating.

NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch

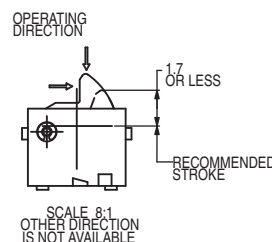
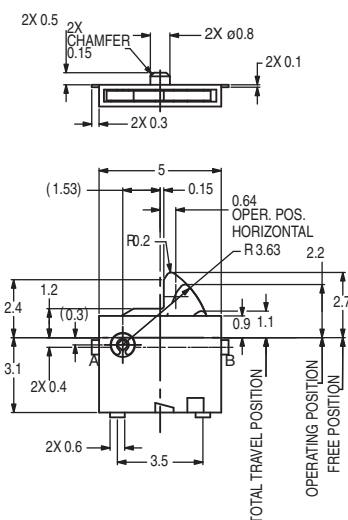
Complete part numbers for GDS Series are shown below.

PART NUMBER	PACKAGING	SCHEMATIC
GDS001	TAPE & REEL 5,000 per reel	 N.O.

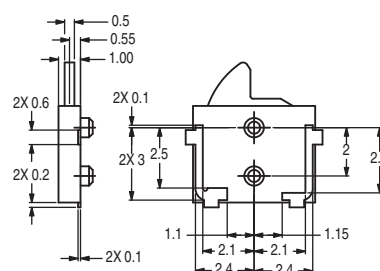


DO NOT SOLDER IN
THIS AREA OF FRAME

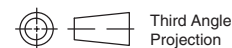
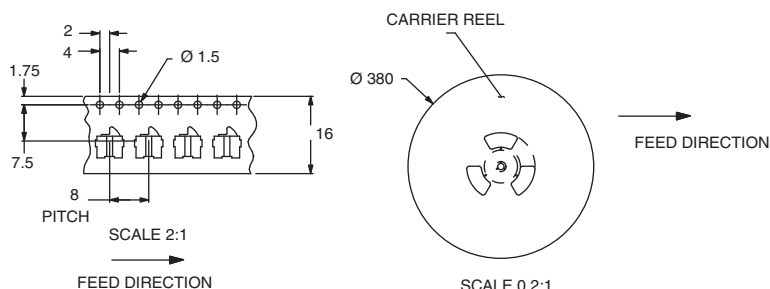
PCB MOUNTING



GDS001



TAPE & REEL



Dimensions are shown: mm

Specifications and dimensions subject to change