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: -20ºC to + 70ºC

STORAGE TEMPERATURE: -30ºC to + 80ºC

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.

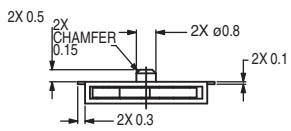
TERMINALS: Phosphor Bronze, Ag over Ni plating.

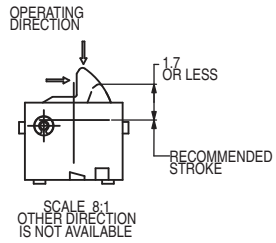
NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch

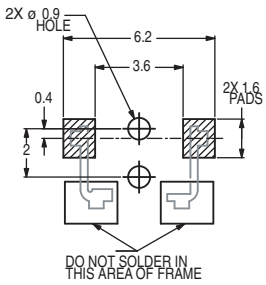
Complete part numbers for GDS Series are shown below.

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

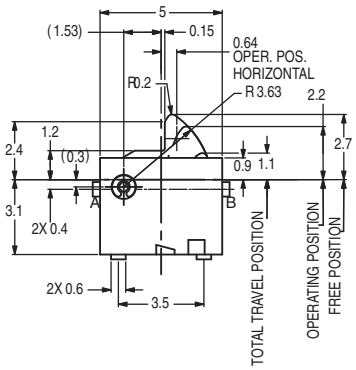


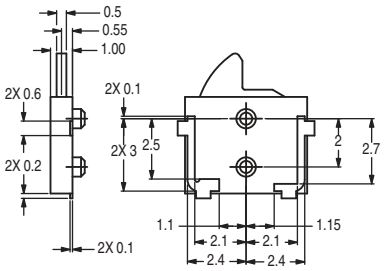


GDS001

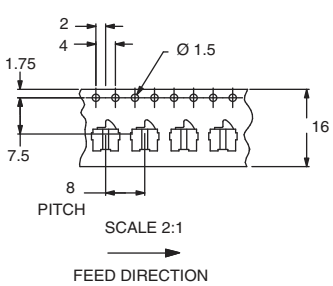


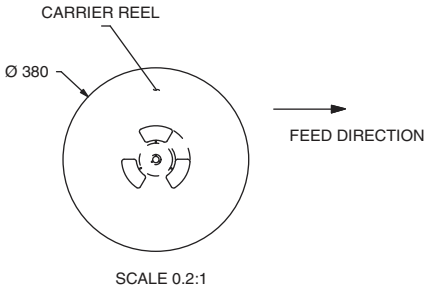
PCB MOUNTING





TAPE & REEL





Third Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change