



Latching Micro G Switch Side Contact Model LAT-1000

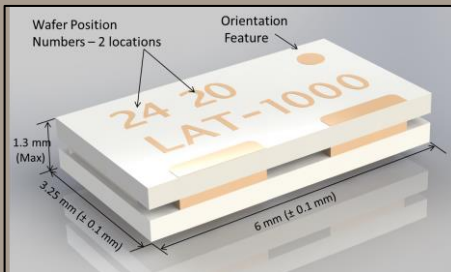
PRELIMINARY

FEATURES:

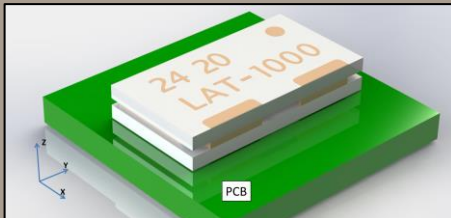
- Small and Lightweight – 20 mm²
- High Shock Survivability – 65,000+ g
- Surface Mount – Au over Ni Pads
- Tape and Reel Packaging
- Hermetic Seal

APPLICATIONS:

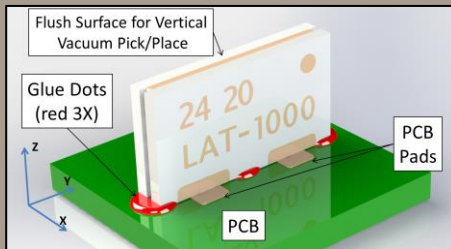
- Setback Detection
- Arming / Fuzing
- Artillery
- More



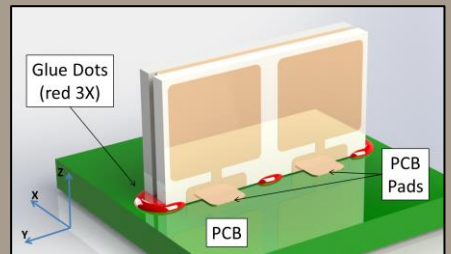
LAT-1000 Device Dimensions



LAT-1000 Flush Mount Sensitivity Direction (-X)



LAT-1000 Perpendicular Mount Sensitivity Direction (+Z)



LAT-1000 Perpendicular Mount Sensitivity Direction (+Z)
Reverse View

Specifications

OPERATING CHARACTERISTICS:

Sensitivity	
Mounted Flush to PCB	- X Direction
Mounted Perpendicular to PCB	+ Z Direction
Contact Acceleration Latch Characteristics	
Threshold	1000 g
Minimum Duration above threshold	1 milli-second
Contact Type	Normally Open, Latching
Reset	None

ELECTRICAL CHARACTERISTICS

Latched Contact Resistance	< 4	ohms
Insulation Resistance (min.)	1000	Mohm
Breakdown Voltage	>200	VDC

ENVIRONMENTAL RATINGS:

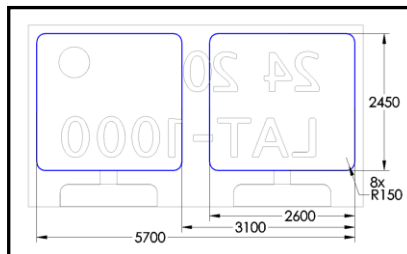
Operate Temperature Range	-55 to +125	°C
Storage Temperature Range	-55 to +125	°C
PCB/Pad Shear Force	> 20	N

PHYSICAL CHARACTERISTICS:

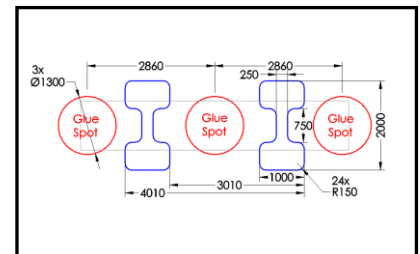
Nominal Dimensions (LxWxH)	3.25 x 6 x 1.1	mm
Volume	21.5	mm ³
Mass	TBD	milligrams
ROHS Compliant ?	Yes	

Note that the information on this data sheet is for reference only.

Please verify the specifications as well as suitability for your application by consulting our engineering department.



LAT-1000 Suggested PCB Pads
Flush Mount



LAT-1000 Suggested PCB Pads and Glue spots
Perpendicular Mount