

TPC Series Tri-direction Scan Switch

Features/Benefits

- One touch, 3 way switching
- Superior tactile feel
- Rotation of actuator closes two individual contacts
- Ultra-low profile housing
- Normally open contacts
- Custom actuator by request
- RoHS compliant and compatible

Typical Applications

- Mobile phones
- PDA
- Handheld electronic devices
- Digital cameras, camcorders
- Communication equipment



TPC 1133G



TPC 2133G

Construction

FUNCTION: Multi-directional momentary action
CONTACT ARRANGEMENT: Make contact = SP, N.O.
TERMINALS: Gullwing type for SMT

Mechanical

MAXIMUM ACTUATION FORCE: 20 N (select), 10 N (left & right).
OPERATING FORCE/TRAVEL:

Direction	Actuation Force	Travel
Left	0.8 ± 0.5 N	16° ± 4°
Right	0.8 ± 0.5 N	16° ± 4°
Select	1.8 ± 0.6 N	0.75 +/-0.15 mm

Operating life = 150 K cumulated operations (50 K ops in both scanning directions then 50 K ops in select direction)

Packaging

Tape and reels in reels of 2,000 pieces.
External diameter 330mm ± 2mm.

Electrical

MAXIMUM POWER: 1.0 VA
MAXIMUM VOLTAGE: 32 V
MAXIMUM CURRENT DC: 50 mA
MINIMUM CURRENT DC: 1 mA
LOW LEVEL USE: 20mV-1mA
DIELECTRIC STRENGTH: 250 Vrms
CONTACT RESISTANCE: ≤ 300 mΩ (select) ≤ 1Ω (left & right)
INSULATION RESISTANCE (100 VDC): 10⁹ Ω
BOUNCE TIME: < 10 ms

Environmental

	SILVER	GOLD
OPERATING TEMPERATURE:	-40°C to 85°C	-40°C to 125°C
STORAGE TEMPERATURE:	-55°C to 85°C	-55°C to 125°C

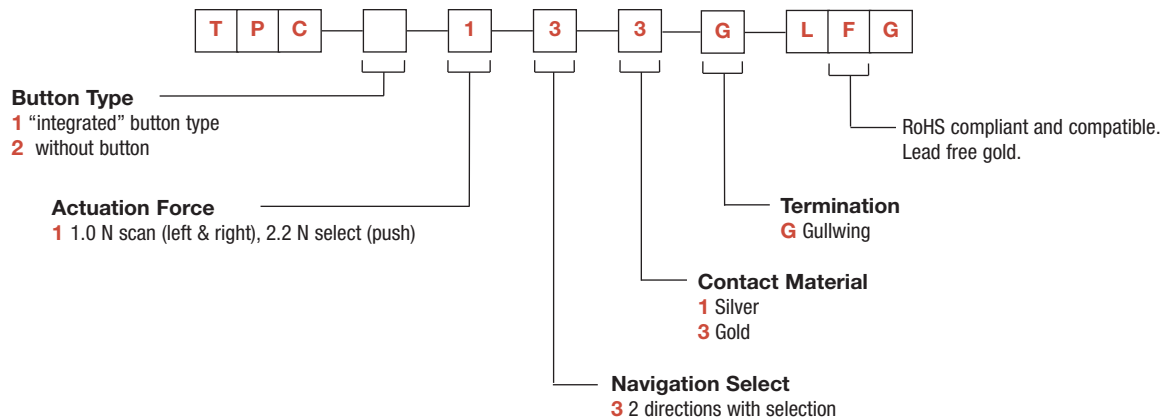
Process

Infrared reflow soldering in accordance with IEC 61760-1

Note: Specifications listed above are for switches with standard options.

How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.



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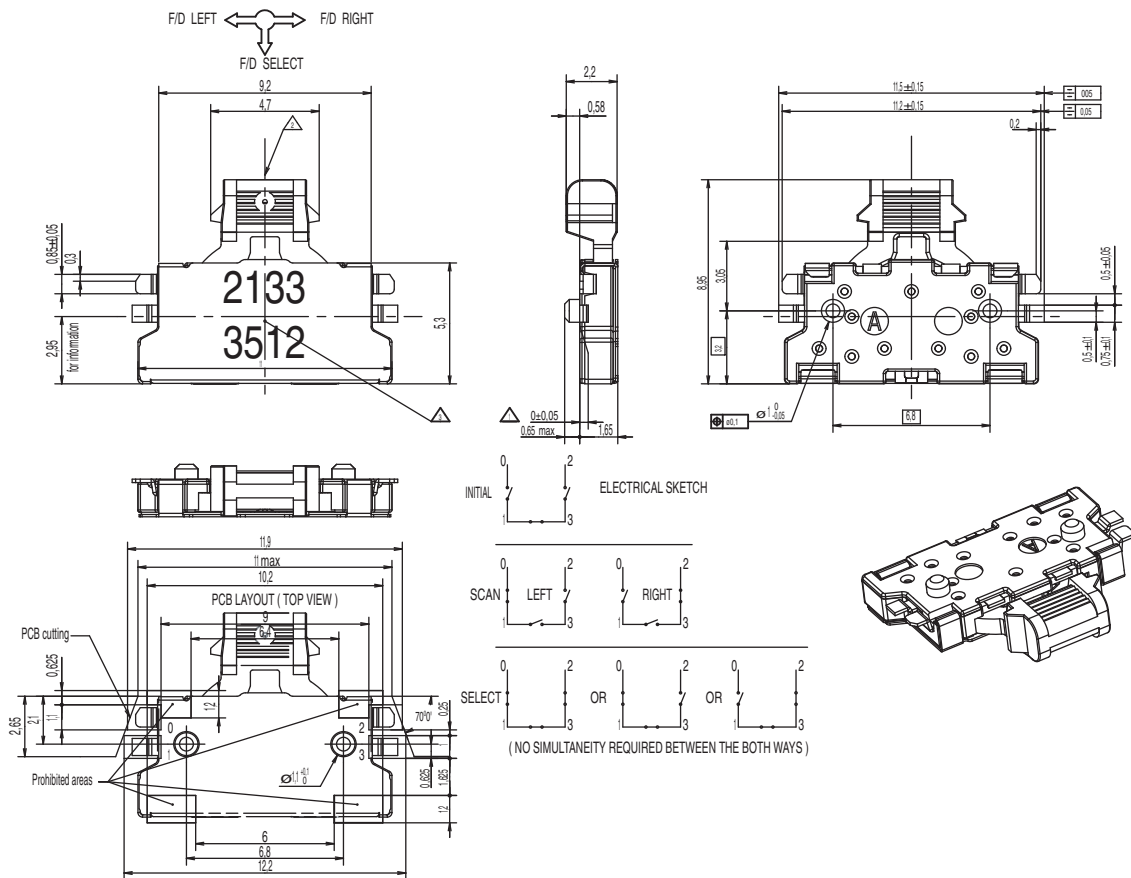


Technical drawing of a mechanical component, showing a side view and a top view. The side view (left) shows a profile with dimensions: 0,305 ± 0,02, 2, 2,75 ± 0,1, 8,3, 14,5 ± 0,1, and 11,35. The top view (right) shows a rectangular plate with a series of holes and a semi-circular feature. Dimensions include: 12 ± 0,1, 2 ± 0,1, 4 ± 0,1, 1,75 ± 0,1, 11,5 ± 0,1, 24 ± 0,1, 2,25, 5,38, 10,75 ± 0,1, 1,7, 1,5, and 1,5. Tolerances are indicated for several dimensions, such as 0,305 ± 0,02, 12 ± 0,1, 2 ± 0,1, 4 ± 0,1, 1,75 ± 0,1, 11,5 ± 0,1, 24 ± 0,1, 10,75 ± 0,1, 1,7, 1,5, and 1,5. A hole diameter is specified as $\varnothing 1,5^{+0,1}_0$. A semi-circular feature is labeled with a radius of $\varnothing 1,5^{+0,25}_0$. Section lines A-A and B-B are indicated.



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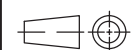
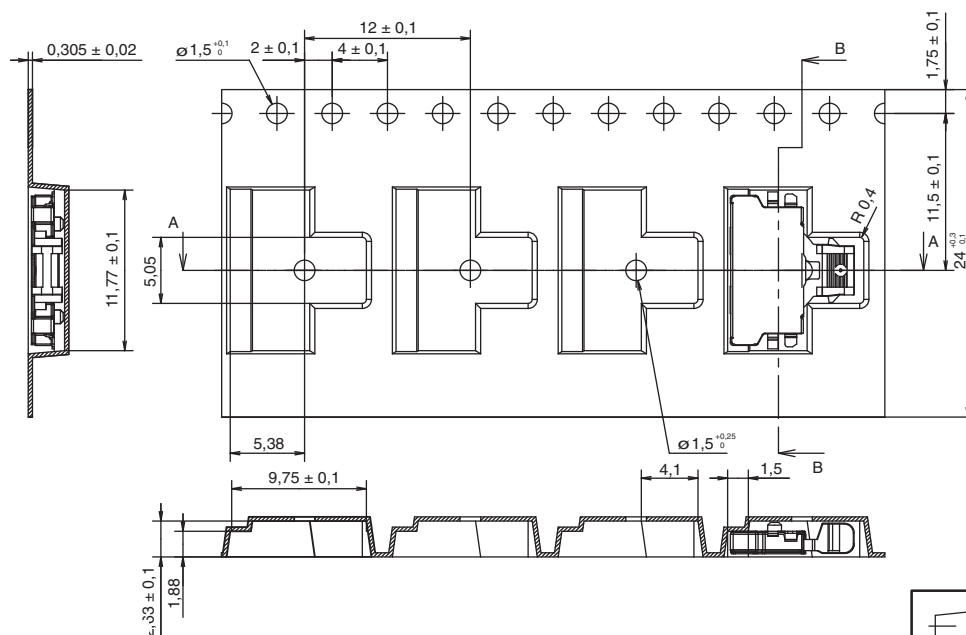
TPC2133G



C

Navigation

TAPE & REEL



First Angle
Projection

Dimensions are shown: mm
Specifications and dimensions subject to change