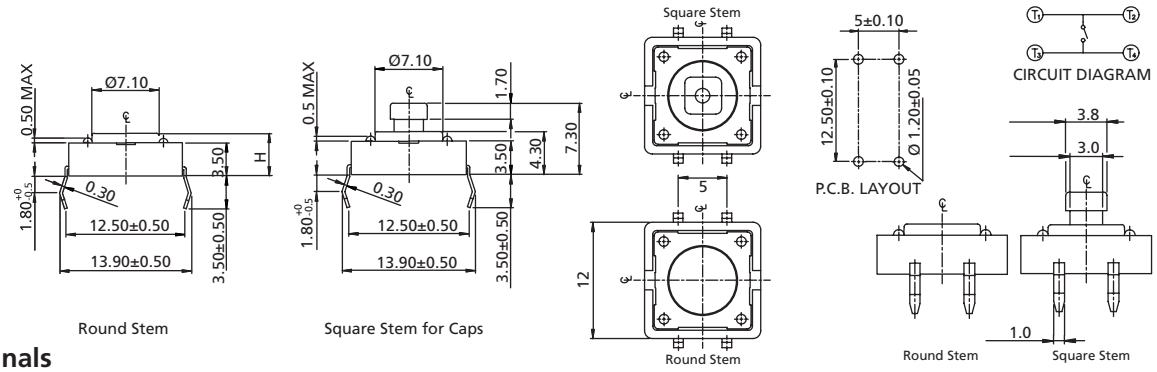
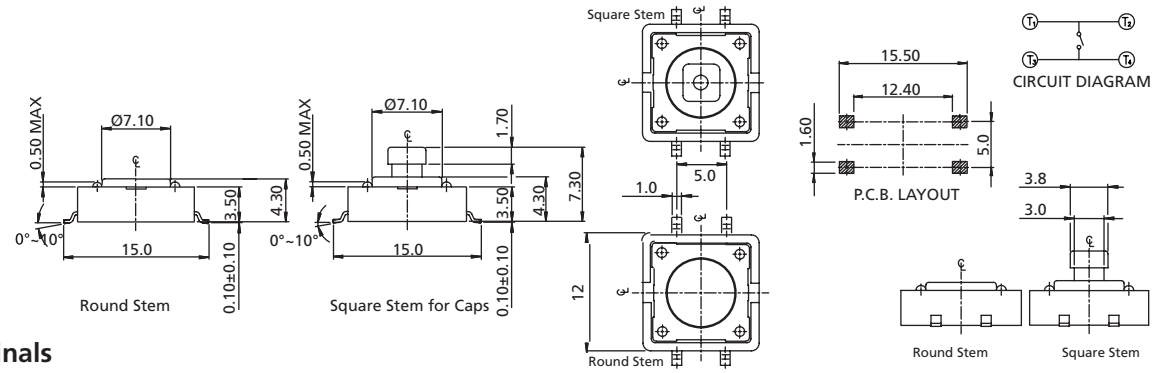
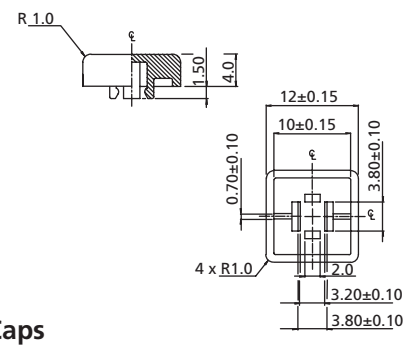
Standard 12 x 12 mm Tactile Switches — TP4 Series



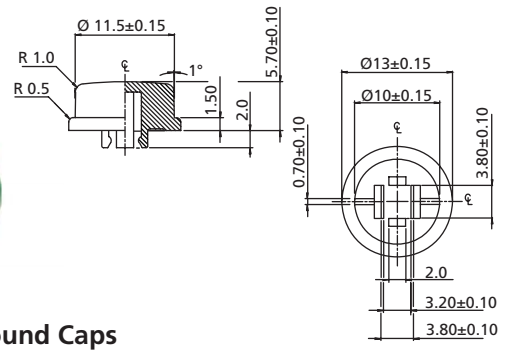
TP4H THT Terminals



TP4S SMT Terminals



K12S Square Caps



K12R Round Caps

How to order:

TP4 [1] [2] [3] [4] [5] [6] + [7] [8]

(Caps)

[1] TYPE OF TERMINALS:
- H THT
- S SMT

[2] POST (TP4H only)
- No Code Without Post
- P With Post

[3] DIMENSION "H":
- 1 H=4.3mm (Round Stem)
- 4 H=7.3mm (Square Stem 3.8mm)
- 5 H=8.5mm (Round Stem)

Individual stem heights available by request

[4] STEM COLOR & OPERATING FORCE:
- K Brown & 160±50gf
- C Red & 260±50gf
- J Salmon & 320±80gf
- E Yellow & 520±130gf

[5] MATERIALS OF DOME:
- N Phosphor Bronze Dome
- S Stainless Steel Dome (Only for 160gf & 260gf)

General Tolerance: ± 0.2 mm

[6] PACKAGE STYLE:
- BK Bulk Pack (TP4H Only)
- TB Tube
- TR Tape & Reel (TP4S Only)

Optional:

[7] CAP TYPE (Only for Square Stems):
- K12S Square Caps
- K12R Round Caps

[8] COLOR OF CAPS:
- A Black
- B Ivory
- C Red
- E Yellow
- F Green
- G Blue
- H Gray
- S Salmon

General Specifications:

MATERIALS
- » Contact Disc: Phosphor Bronze with silver cladding
- » Terminal: Brass with silver plated

MECHANICAL
- » Stroke: 0.35 ± 0.1 mm
- » Operation Temperature: -25°C to +70°C
- » Storage Temperature: -30°C to +80°C

ELECTRICAL
- » Electrical Life:
  Phosphor Bronze Dome:
  100,000 cycles for 520gf, 320gf & 260gf
  200,000 cycles for 160gf
  Stainless Steel Dome:
  500,000 cycles for 260gf
  1,000,000 cycles for 160gf
- » Rating: 50mA, 12VDC
- » Contact Arrangement: 1 pole 1 throw

LEADFREE SOLDERING PROCESSES
- » Wave Soldering: Recommended solder temperature at 260°C max. 5 seconds subject to PCB 1.6mm thickness (for THT).
- » Reflow Soldering: When applying reflow soldering, the peak temperature or the reflow oven should be set to 260°C max. 10 seconds (for SMT).