

Multi-Directional Actuation

MATERIAL SPECIFICATIONS:

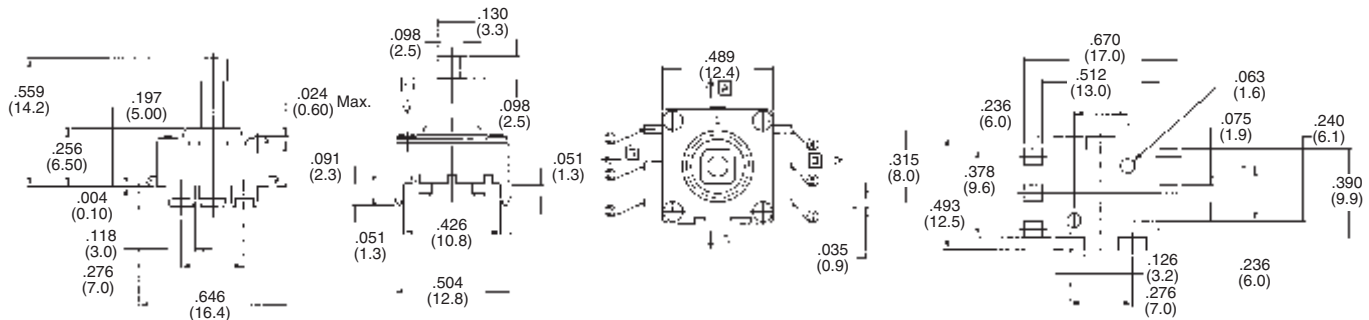
ContactCopper alloy - silver clad/nickel
Case MaterialNylon - UL 94-HB, Black
Actuator MaterialNylon - UL 94-HB, Black
Terminals/Fixed ContactCopper alloy - plate silver clad/nickel

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature-13° to 158°F (-25° to +70°C)
Storage Temperature-40° to 185°F (-40° to +85°C)
Solder Heat Resistance.....Per EIA-364-56A, Procedure 4 and 5, Level 3
SolderabilityPer EIA-364-52, Class 2 Cat. 1, temp. 255° max., time 5 seconds max. 95% min. coverage

TYPICAL PERFORMANCE CHARACTERISTICS

Contact Rating20mA @15VDC
Initial Contact Resistance100 Milliohms max.
Insulation Resistance100 Megohm min.
Dielectric Strength100 VAC for 1 min.
Life ExpectancyUp to 50,000 Cycles
Actuation Force500±150 gf (center push),
200±100 gf (4-directional)
Actuation Travel.....0.039 (1.0) ±.012 (.3) (4-directional),
0.315 (8.0) ±2° (4-directional)



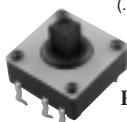
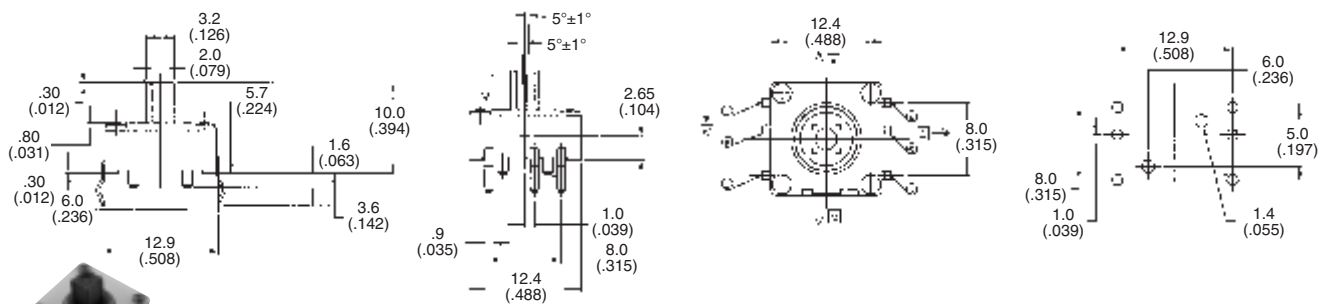
Tyco Electronics	Dimension L
1571514-1	.559 (14.2)
1571514-2	.480 (12.2)
1571514-3	.413 (10.5)

MATERIAL SPECIFICATIONS:

Contacts.....Stainless steel, plate silver clad/nickel
Case MaterialNylon - UL 94-HB, Black
Actuator MaterialPBT, UL 94-HB
Terminals/Fixed ContactsCopper alloy - plate silver/nickel
Environmental Specifications
Operating Temperature-13° to 158°F (-25° to +70°C)
Storage Temperature.....-40° to 185°F (-40° to +85°C)
Solder Heat ResistancePer EIA-364-56A, Procedure 3, Condition B
SolderabilityPer EIA-364-52, Class 2 Cat. 1, temp. 255° max., time 5 seconds max. 95% min. coverage

TYPICAL PERFORMANCE CHARACTERISTICS

Contact Rating20mA @15VDC
Initial Contact Resistance100 Milliohms max.
Insulation Resistance100 Megohm min.
Dielectric Strength100 VAC for 1 min.
Life ExpectancyUp to 50,000 Cycles
Actuation Force350±100 gf (center push),
200±70/-50 gf (4-directional)
Actuation Travel.....0.010 (.25) ±.008 (.2) (center push),
0.197 (5.0) ±1° (4-directional)



Part Number 1571515-1