Navigation Switch
Multidirectional

Specifications:

Mechanical:

Operating Force	: 4-direction: 160gf
Center Push	: 320gf
Stroke	: 4-direction: 5° + 2.5° / -1.5° mm
Center Push	: 0.25+0.1/-0.2mm
Operating Temperature Range	: -25°C to +85°C

Electrical:

Electrical Life	: 100,000 cycle.
Rating	: 50mA, 12V DC
Maximum Contact Resistance	: 100mΩ
Minimum Insulation Resistance	: 100MΩ at 100V DC
Dielectric Strength	: 250V AC/1 minute
Contact Arrangement	: 1 pole 1 throw

Material:

Base	: Nylon high-temperature thermoplastic
Colour	: Black
Cover	: Nickel silver
Centre Stem	: Nylon high-temperature thermoplastic
5 Directions Colour	: Black
4 Directions Colour	: Brown
Four Way Stem	: Nylon high-temperature thermoplastic
Contact	: Stainless with silver cladding
Terminal	: Brass with silver plated

Soldering Process:

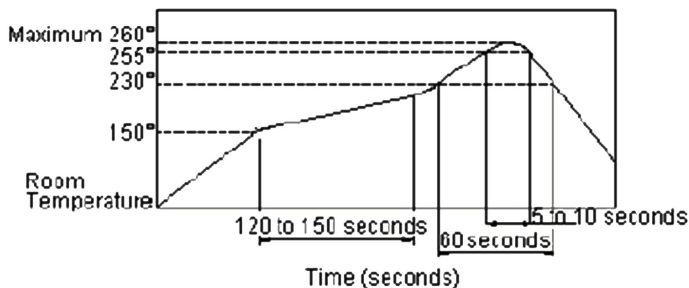|	
Hand Soldering	: Use a soldering iron of 30W, controlled at 350°C approximately 5 seconds while applying
Reflow Soldering	: When applying reflow soldering, the peak temperature or the reflow over should be set to 260°C maximum

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
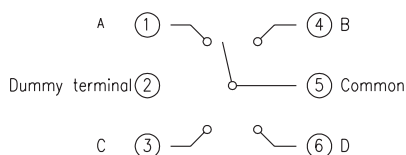Element14.com/multicomp-pro

multicomp PRO

Page <1>   24/11/20   V1.0

Temperature Profile:

Circuit Diagram:

MCMT4

A ① — ④ B
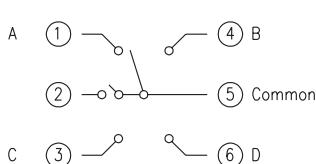Dummy terminal ② — ⑤ Common
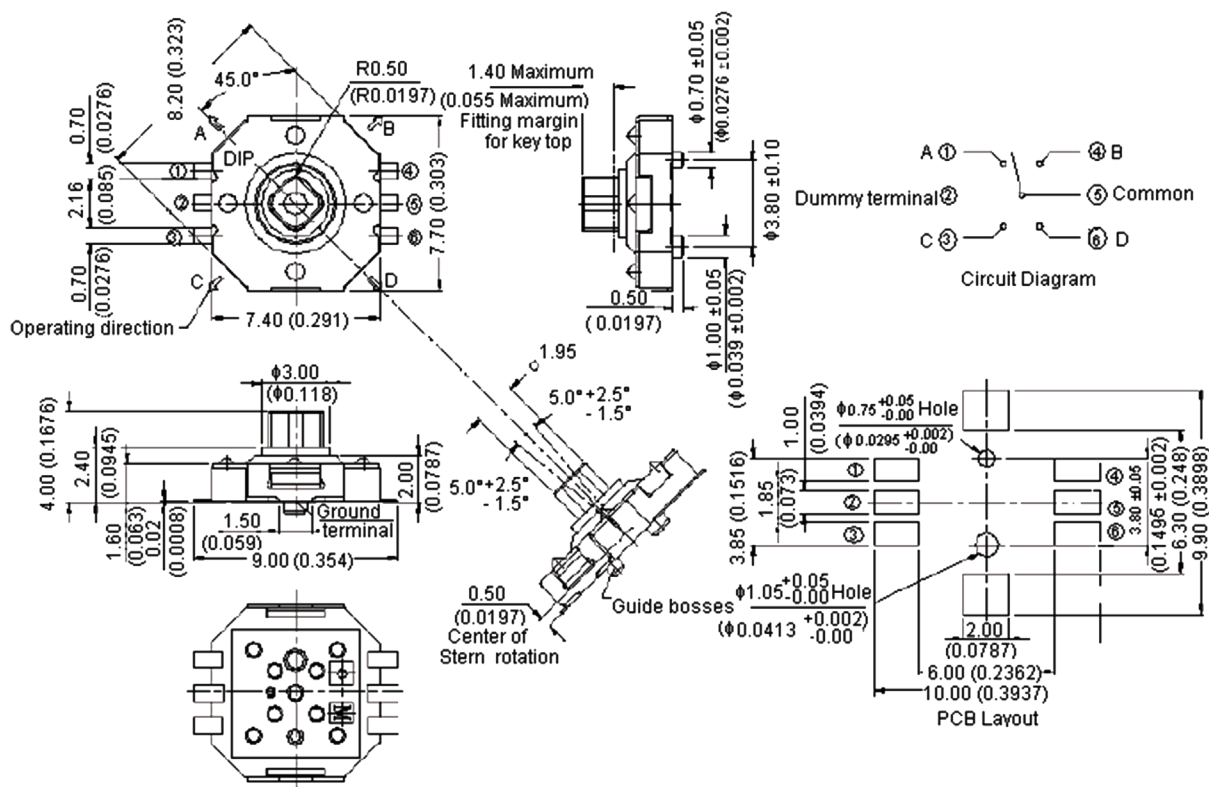C ③ — ⑥ D

MCMT5

A ① — ④ B
② — ⑤ Common
C ③ — ⑥ D

MCMT4

Dimensions : Millimetres (Inches)

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

multicomp PRO

Page <2>   24/11/20   V1.0

Navigation Switch
Multidirectional

MCMT5
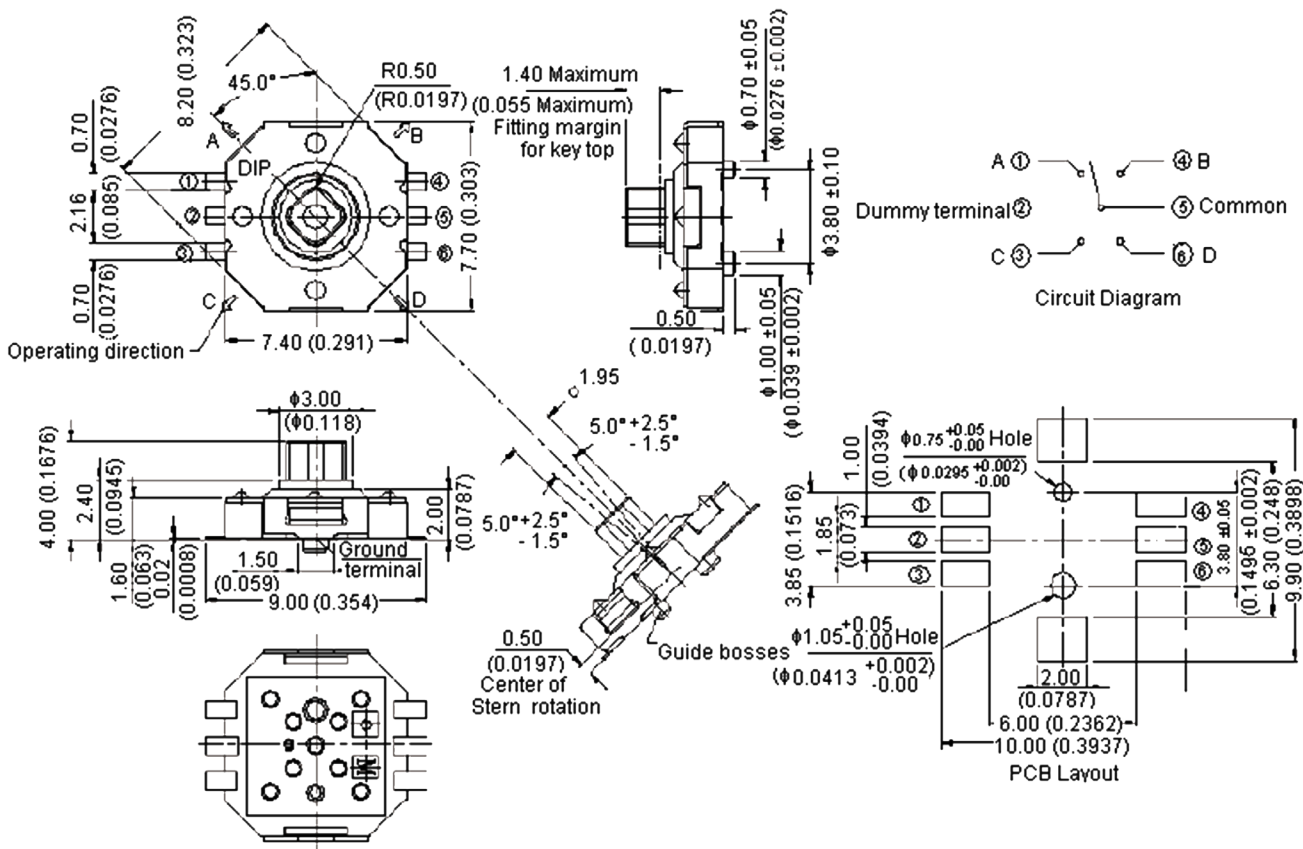
Dimensions : Millimetres (Inches)

Part Number Table

Description	Part Number
Navigation Switch, 4 Way, SMD	MCMT4-F-V
Navigation Switch, 5 Way, SMD	MCMT5-F-V

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

multicomp PRO

Page <3>   24/11/20   V1.0