



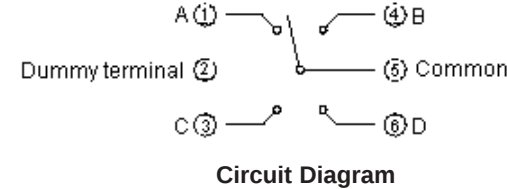
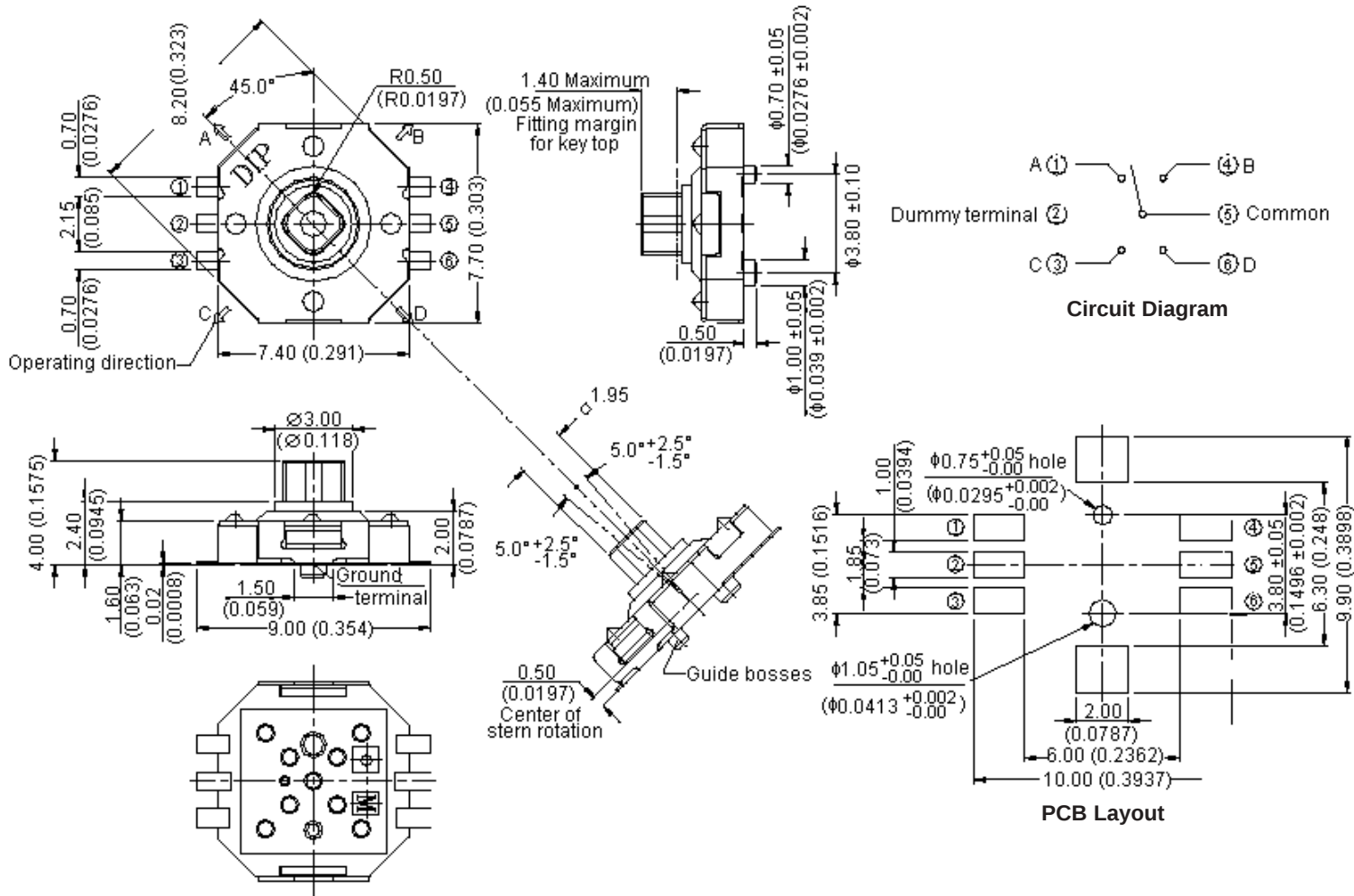
PART NO.

MCMT4 - Series

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Geetha	03/6/08	Suresh	03/6/08	G. C	17/6/08

MCMT4-F



Dimensions : Millimetres (Inches)

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Geetha

DATE:

03/06/08

CHECKED BY:

Suresh

DATE:

03/06/08

APPROVED BY:

G.Cook

DATE:

17/06/08

DRAWING TITLE:

Navigation Switch - Multidirectional

SIZE
A

DWG NO.

M10001223

ELECTRONIC FILE
MT5.4-V_DWGREV
A

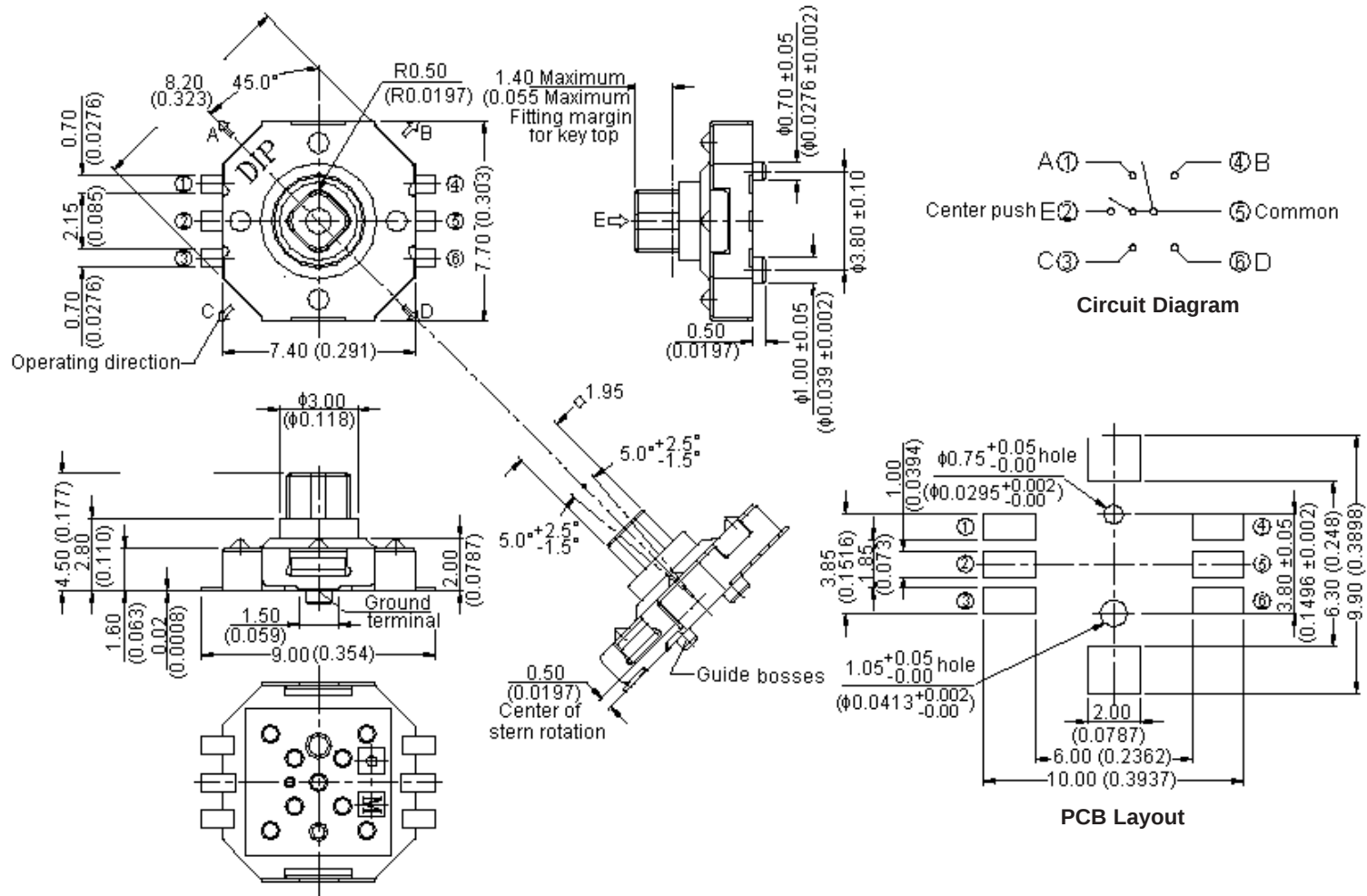
SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 1 OF 4

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-	A	RELEASED	Geetha	03/6/08	Suresh	03/6/08	G. C	17/6/08

MCMT5-F



Dimensions : Millimetres (Inches)

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Suresh

DATE:

03/06/08

APPROVED BY:

G.Cook

DATE:

17/06/08

DRAWING TITLE:

Navigation Switch - Multidirectional

SIZE
A

DWG NO.

M10001223

ELECTRONIC FILE
MT5.4-V_DWG

REV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 2 OF 4



PART NO.

MCMT4 - Series

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Geetha	03/6/08	Suresh	03/6/08	G. C	17/6/08

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 cycles.
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.
Color : Black.
Cover : Nickel silver.
Center stem : Nylon high-temperature thermoplastic.
5Directions color : Black.
4Directions color : 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 30 watts, 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.

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Navigation Switch - Multidirectional

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SHEET: 3 OF 4



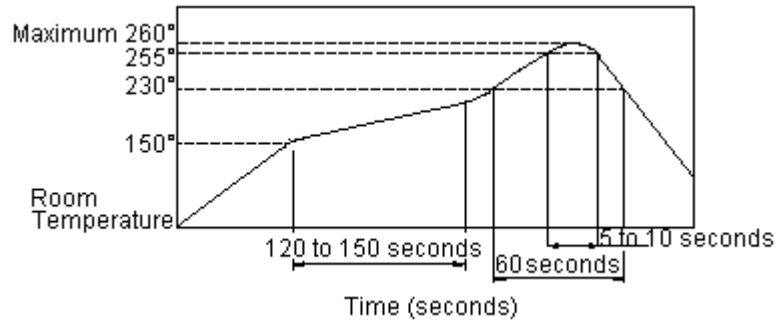
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MCMT4 - Series

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-	A	RELEASED	Geetha	03/6/08	Suresh	03/6/08	G. C	17/6/08

Temperature Profile:



Part Number Table

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

Part Number Explanation:

MCMT4

-

F

-

V

Directions

With Flat Terminal

Soldering

Soldering : V = Lead Free Solderable.

<http://www.farnell.com><http://www.newark.com><http://www.cpc.co.uk>

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Navigation Switch - Multidirectional

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SHEET: 4 OF 4