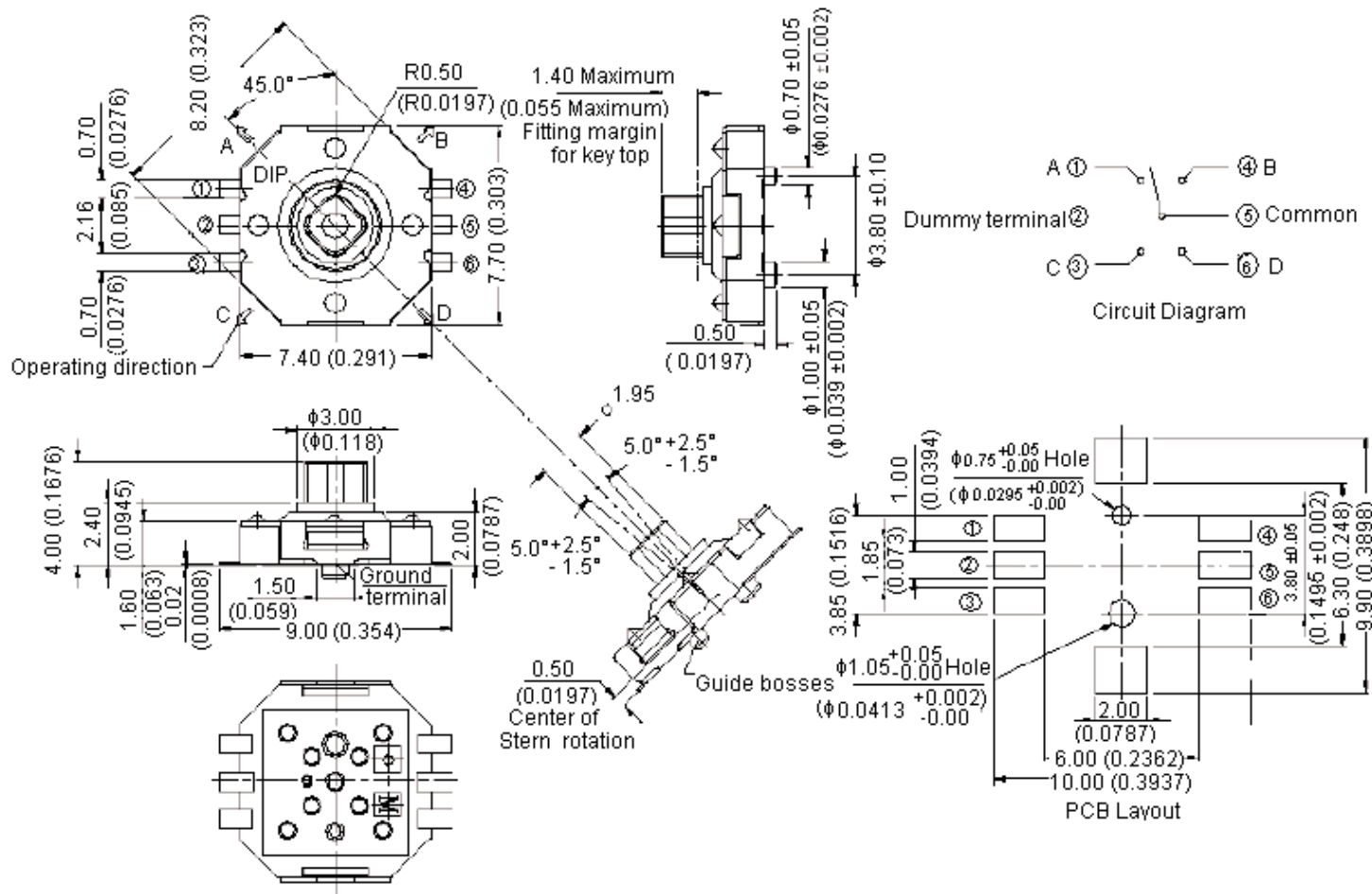


ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Malli	20/03/10	Jagan	20/03/10	Farnell	05/04/10

MCMT4



Dimensions: Millimetres

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Jagan	20/03/10
APPROVED BY:	DATE:
Farnell	05/04/10

DRAWING TITLE:			
Navigation Switch - Multidirectional			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002524	49961_dwg	A
SCALE: NTS		U.O.M.: mm	SHEET: 1 OF 4



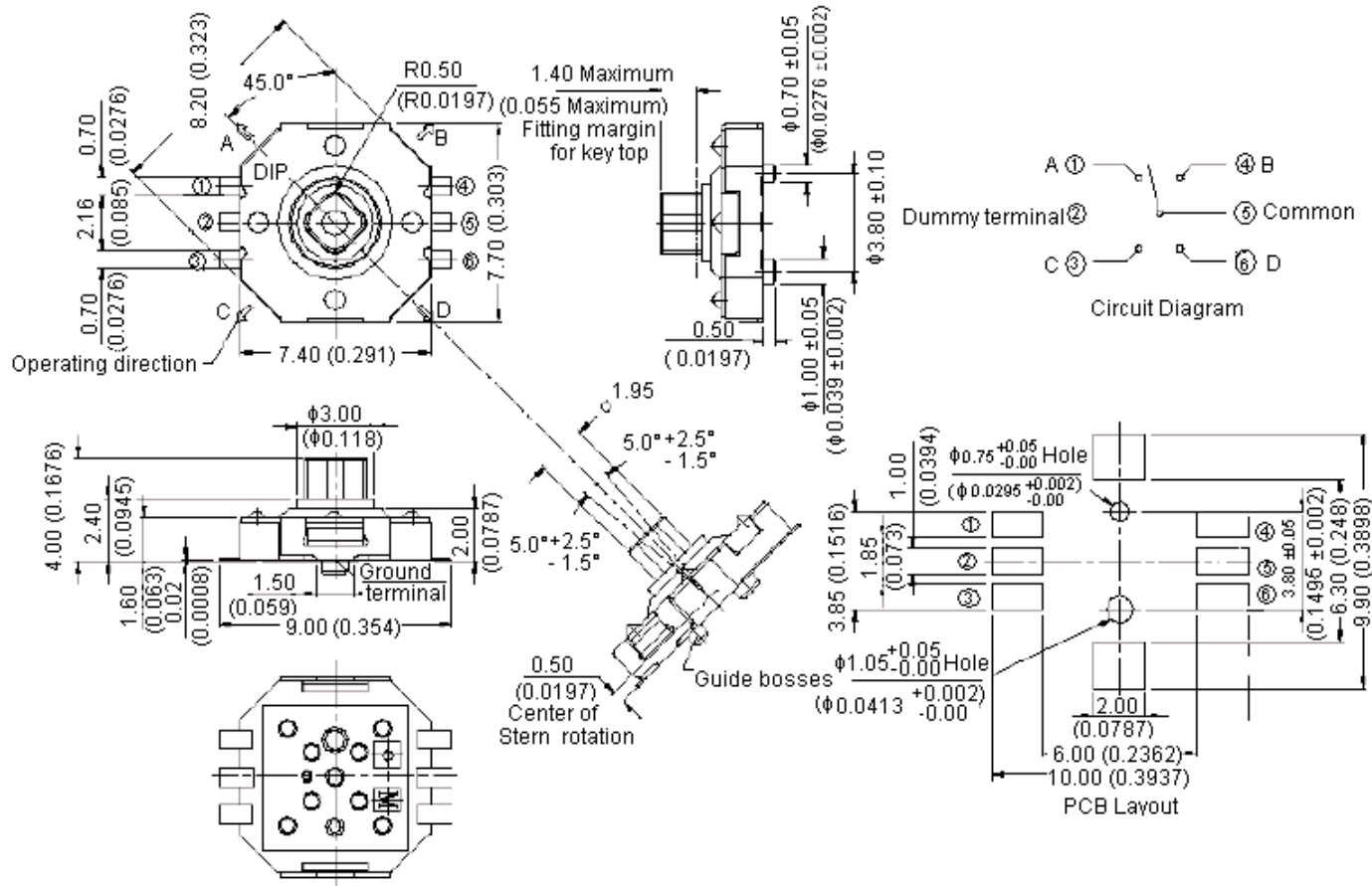
PART NO.

MCMT - Series

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
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MCMT5



Dimensions: Millimetres

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Jagan	20/03/10
APPROVED BY:	DATE:
Farnell	05/04/10

DRAWING TITLE:			
Navigation Switch - Multidirectional			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002524	49961_dwg	A
SCALE: NTS		U.O.M.: mm	SHEET: 2 OF 4



PART NO.

MCMT - Series

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Malli	20/03/10	Jagan	20/03/10	Farnell	05/04/10

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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Farnell	05/04/10

DRAWING TITLE:			
Navigation Switch - Multidirectional			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002524	49961_dwg	A
SCALE: NTS		U.O.M.: mm	SHEET: 3 OF 4

