

Detector Switch - Card



Specifications:

Mechanical:

Max. Operating Force	: 40gf
Max. Stroke	: 2.15mm
Operating Temperature	: -10°C to +60°C
Storage Temperature	: -20°C to +70°C
External Height	: 2mm
External Width	: 5.5mm
External Depth	: 5.2mm

Electrical:

Electrical Life	: 50,000 cycles
Rating	: 50mA, 20V DC
Maximum Contact Resistance	: 1Ω
Minimum Insulation Resistance	: 100MΩ at 100V DC
Dielectric Strength	: 100V AC/1minute
Contact Arrangement	: 1 pole 1 throw
Contact Configuration	: SPST-NO
Operating Force	: 0.39N

Material:

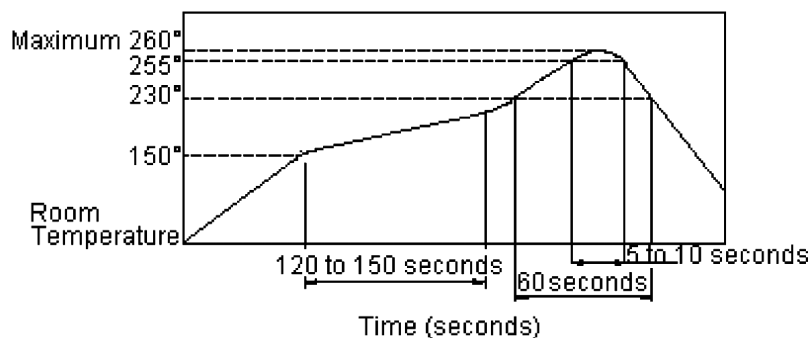
Cover	: Copper alloy, tin plated
Base	: High-temperature thermoplastic Colour : Black
Stem	: High-temperature thermoplastic Colour : Black
Contact Disc	: Stainless with silver cladding
Terminal	: Brass with silver plated
Switch Terminals	: Solder
Terminal Type	: Surface Mount

Soldering Process:

For best results, please follow these recommendations:

Hand Soldering	: Use a soldering iron of 30W, controlled at 608°F (320°C) approximately 2 seconds while applying
Reflow Soldering	: When applying reflow soldering, the peak temperature or the reflow oven should be set to 260°C maximum

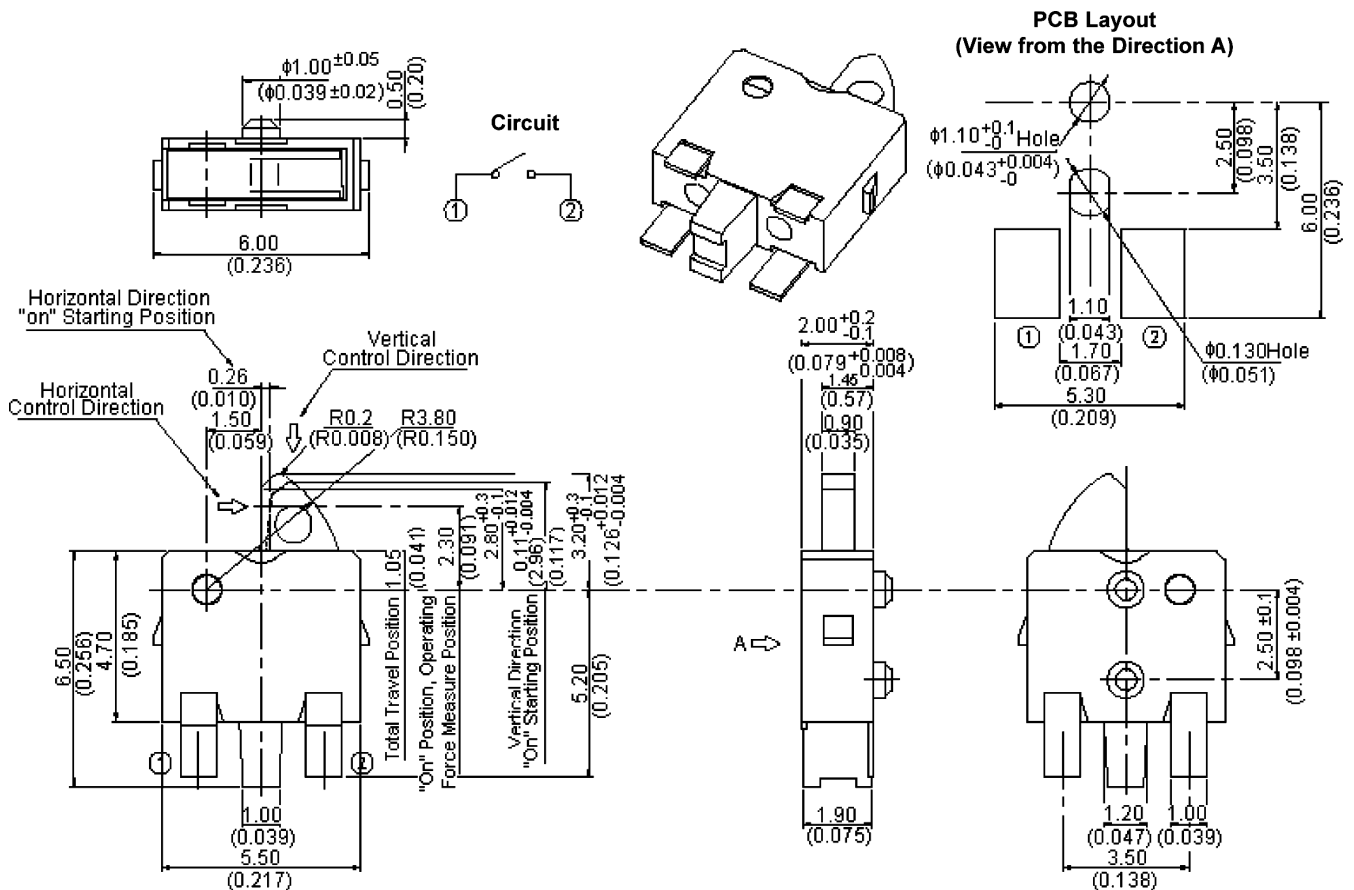
Reflow Temperature Profile:



Detector Switch - Card



MCTE-MRR

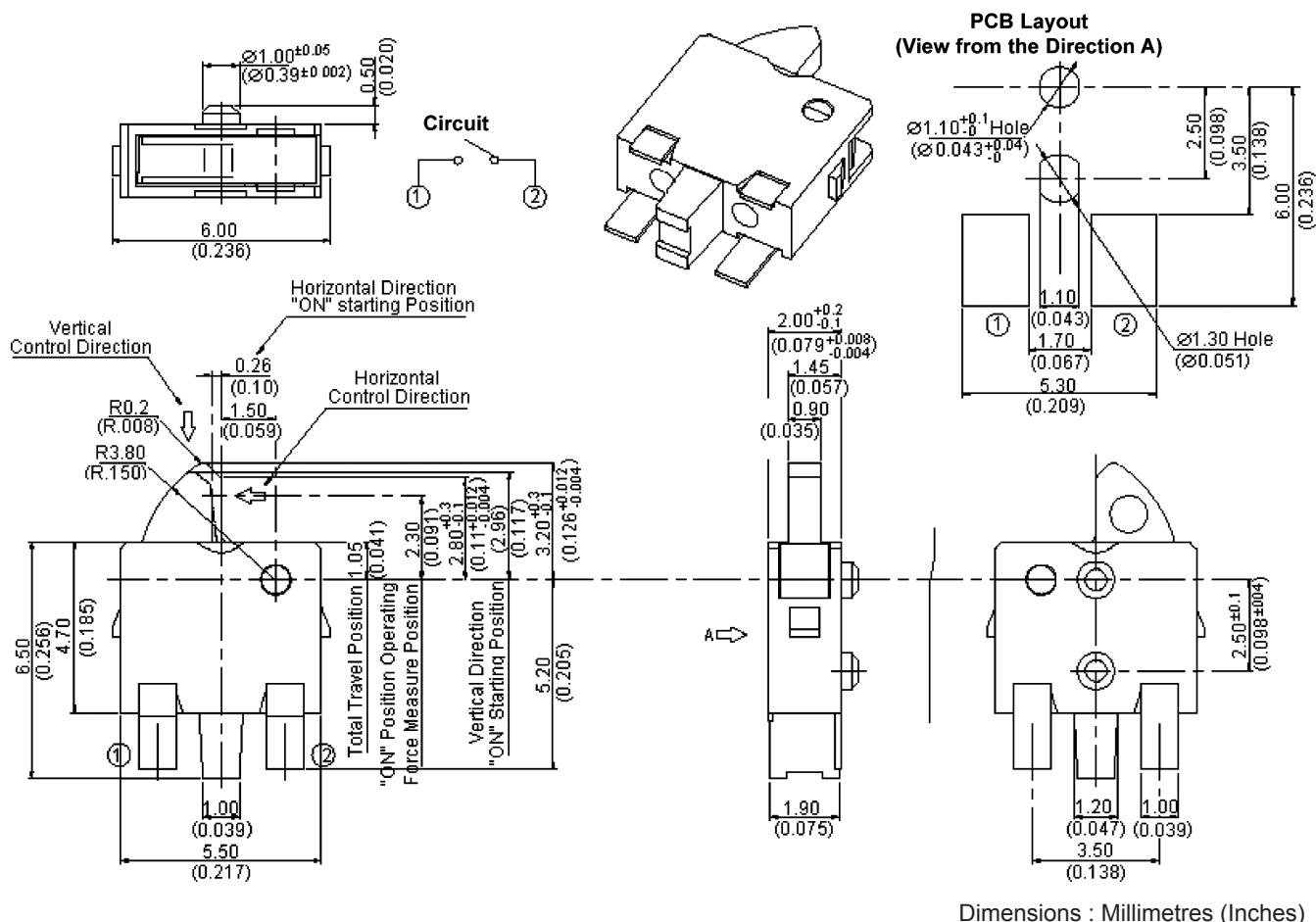


Dimensions : Millimetres (Inches)

Detector Switch - Card



MCTE-MRL



Part Number Table

Description	Part Number
Switch, Card Detect, Right, SMD	MCTE-MRR-V
Switch, Card Detect, Left, SMD	MCTE-MRL-V

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