Slide Switch
Spring Return

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Specifications:

Orientation	: Right Angle
Series	: MCSSS
Termination Type	: SMD
External Depth	: 3.5mm
External Length / Height	: 2mm
External Width	: 11mm
Lever Length	: 2.5mm

Mechanical:

Operating Force	: 180 ±70gf
Operating Temperature Range	: -10 to +60°C
Storage Temperature Range	: -20 to +75°C

Electrical:

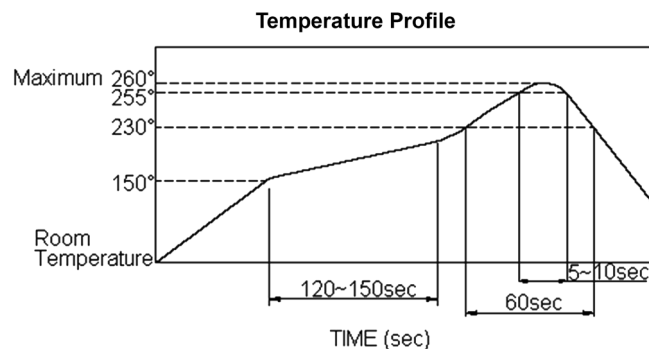|	
Electrical Life	: 10,000 cycles
Rating	: 25mA, 24V DC
Maximum Contact Resistance	: 70mΩ
Minimum Insulation Resistance	: 100mΩ at 100V DC
Dielectric Strength	: 100V AC/1 minute
Circuit	: 1P2T
Contact Configuration	: SPDT
Actuator Style	: Lever
Switch Operation	: On-(On)
Switch Mounting	: Panel

Materials:

Cover	: Nickel silver
Spring	: Stainless silver
Contact	: Alloy copper, gold plated
Base	: LCP high temperature thermoplastic
Terminal	: Phosphor bronze, with silver plated

Soldering Process:

Hand Soldering : Use a soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while Applying solder
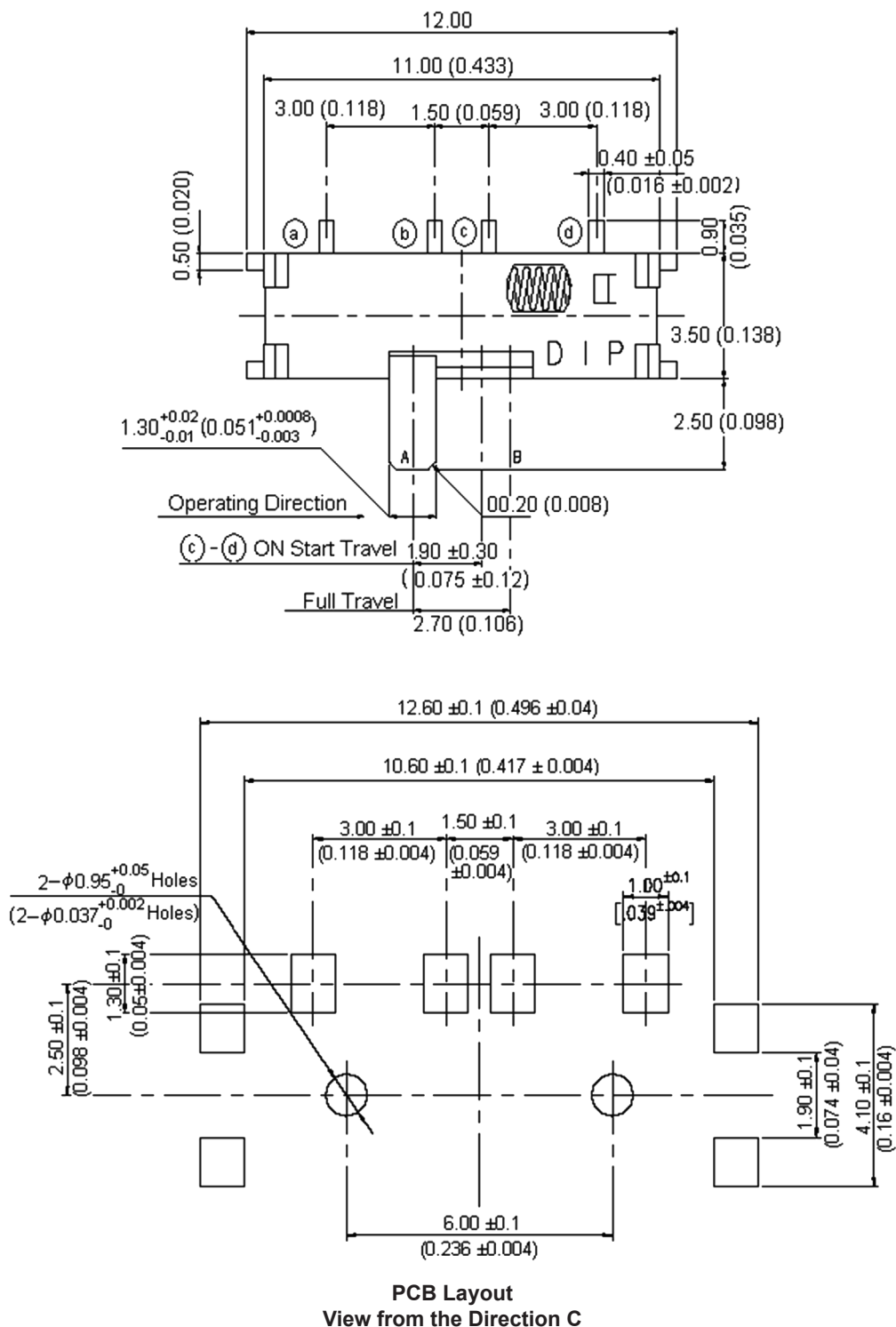**Reflow Soldering** : When applying reflow soldering, the peak temperature of the reflow oven should be set to 260°C maximum

Temperature Profile

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MCSSS-12LG

12.00
11.00 (0.433)
3.00 (0.118) 1.50 (0.059) 3.00 (0.118)
0.40 ±0.05
(0.016 ±0.002)
0.50 (0.020)
0.90 (0.035)
3.50 (0.138)
2.50 (0.098)
D I P

1.30 $^{+0.02}_{-0.01}$ (0.051 $^{+0.0008}_{-0.003}$)

Operating Direction

(c) - (d) ON Start Travel

Ø0.20 (0.008)

1.90 ±0.30
(0.075 ±0.12)

Full Travel

2.70 (0.106)

12.60 ±0.1 (0.496 ±0.04)
10.60 ±0.1 (0.417 ± 0.004)
3.00 ±0.1 (0.118 ±0.004) 1.50 ±0.1 (0.059 ±0.004) 3.00 ±0.1 (0.118 ±0.004)
1.00 ±0.1 (0.039 ±0.004)

2−Ø0.95 $^{+0.05}_{-0}$ Holes
(2−Ø0.037 $^{+0.002}_{-0}$ Holes)

1.30 ±0.1 (0.05 ±0.004)
2.50 ±0.1 (0.098 ±0.004)

1.90 ±0.1 (0.074 ±0.04)
4.10 ±0.1 (0.16 ±0.004)

6.00 ±0.1
(0.236 ±0.004)

PCB Layout
View from the Direction C
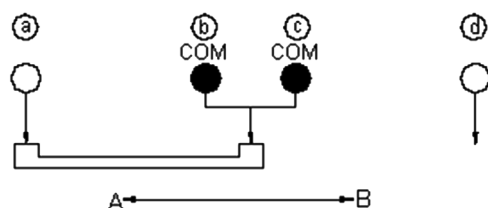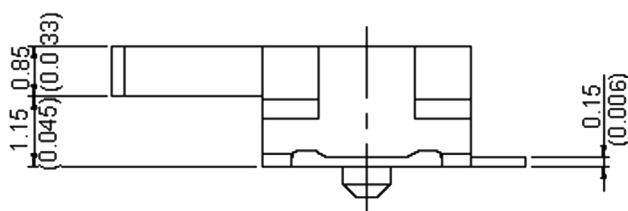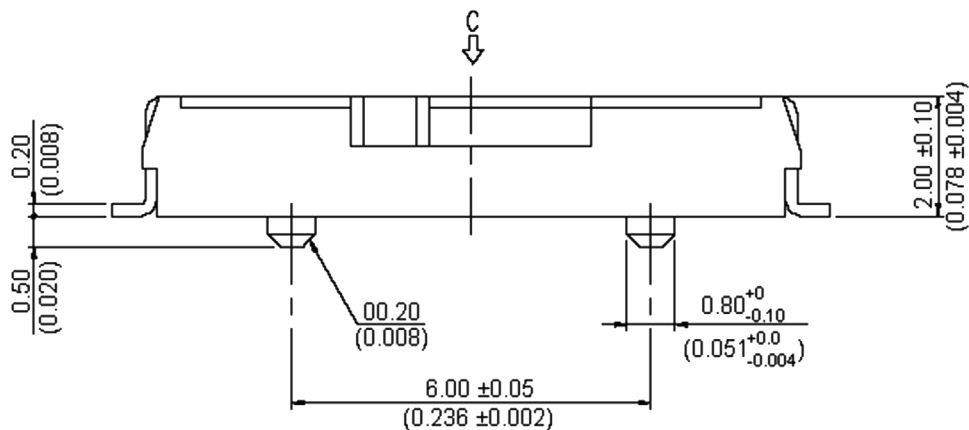
Dimensions : Millimetres (Inches)

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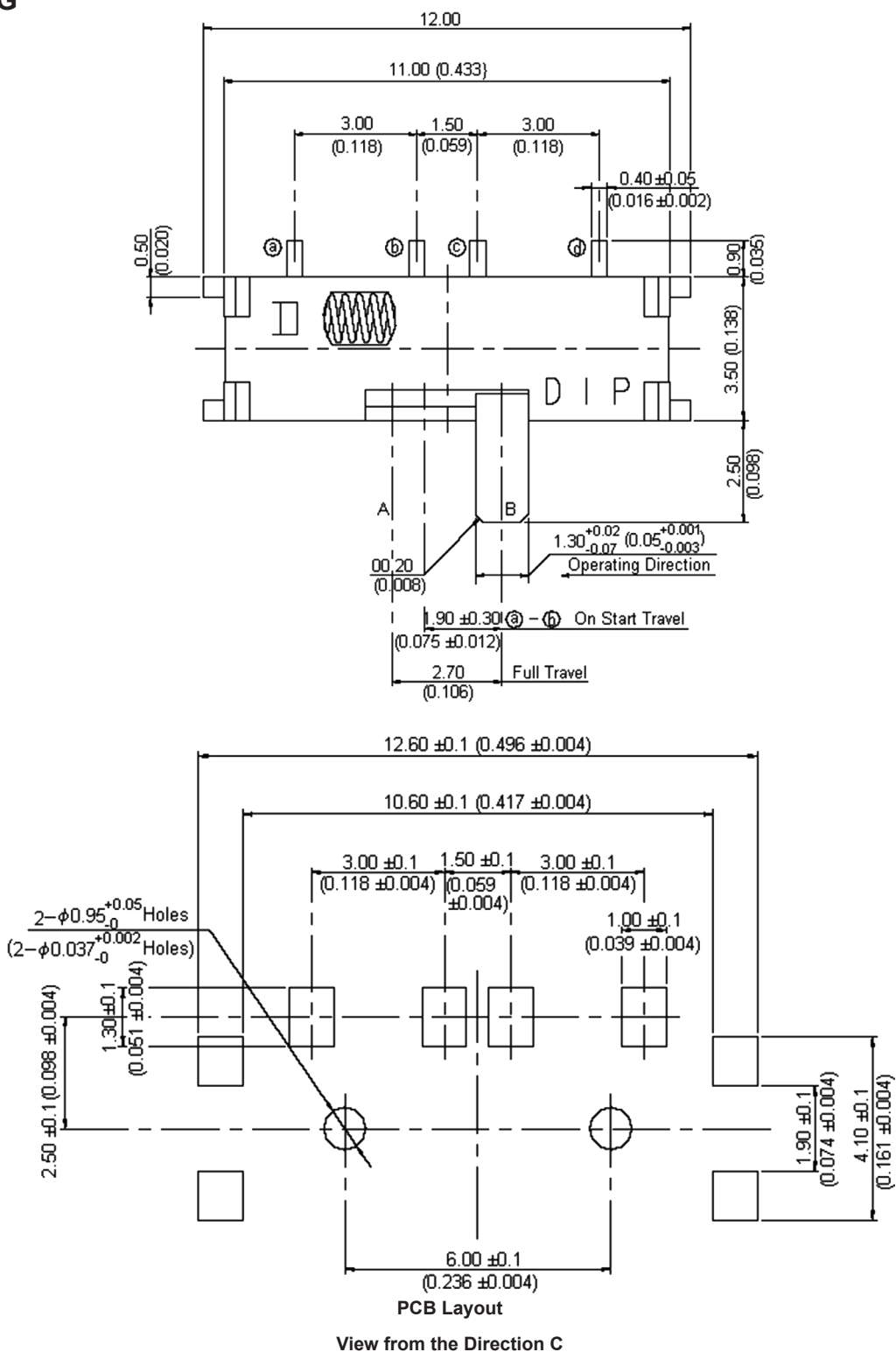
C

0.20
(0.008)

2.00 ±0.10
(0.078 ±0.004)

0.50
(0.020)

⌀0.20
(0.008)

0.80 +0
-0.10
(0.051 +0.0
-0.004)

6.00 ±0.05
(0.236 ±0.002)

0.85
(0.033)

1.15
(0.045)

0.15
(0.006)

ⓐ   ⓑ   ⓒ   ⓓ
     COM   COM

A ──────────→ B

Circuit

Dimensions : Millimetres (Inches)

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MCSSS-12RG

PCB Layout

View from the Direction C

Dimensions : Millimetres (Inches)

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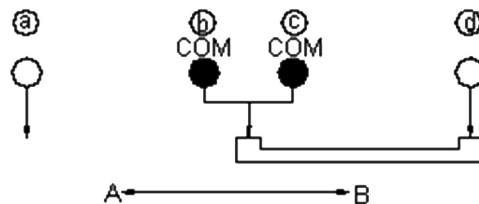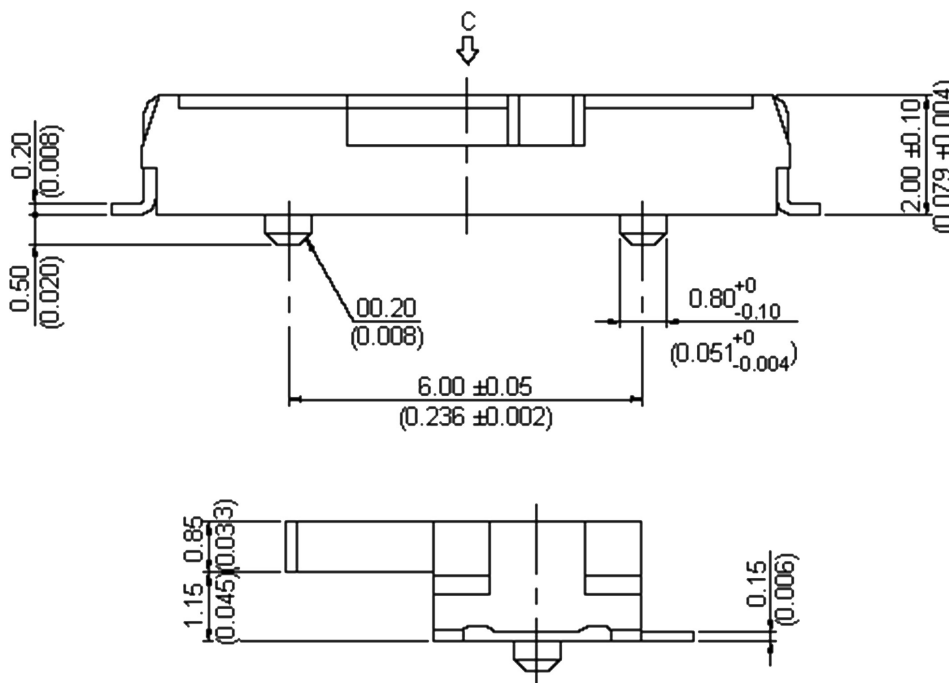
Circuit

Dimensions : Millimetres (Inches)

Part Number Table

Description	Part Number
Slide Switch, SMD, ON-MOM	MCSSS-12LG
Slide Switch, SMD, ON-MOM	MCSSS-12RG

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