

8

7

6

5

4

3

2

1

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LOCAD

DIST00

REV

PER

OG3C-0490-03

DATE30JAN04

DWYRB

APVDMS

14.0 [.551]

5.8 [.228]

3.5 [.138]

2.3 [.090]

10.0 [.394]

3.0 [.118]

0.5 [.020] 6 PLC

1.0 [.039] 2 PLC

2.0 [.079] 5 PLC

2.0 [.079]

2.5 [.098]

TYCO/CHINA STAMPED THIS SIDE

0.5 [.020]

0.4 [.016]

13.0 [.512]

1.5 [.059]

5.3 [.209]

2.0 [.079] TYP

ø1.5 [ø.059] #53 DRILL 4 PLC

ø0.9 [ø.035] #65 DRILL TYP

SECTION A-A

RECOMMENDED BOARD LAYOUT

Specifications:

Make-Before-Break

Material:

Frame- Steel, Nickel Plate

Actuator- POM UL94HB, Black

Moving Contact- Copper Alloy, Silver Clad Plate

Terminal- Copper Alloy, Silver or Gold over Nickel Plate

Ball- Steel

Coil Spring- Galvanized Coil Spring

Terminal Seal- Epoxy

Board- Phenolic, UL94HB, Natural

Electrical:

Contact Rating- 300mA@125VAC (Silver), .4VA@20VDC (Gold) or peak AC, Per EIA-448, Method 6

Initial Contact resistance- 20 milliohms max, Per EIA-364-23B, each position

Insulation Resistance- 1000 Megohm min. Per EIA-364-21C each position

Dielectric strength- 500 Volt AC, Per EIA-364-20B, Condition 1, each position.

Mechanical:

Actuation force- 100 to 600 Grams

Actuation Travel- 2.0 [.079]

Life Expectancy- 15,000 cycles, Per EIA-448, Method 8 and 9

Vibration- Per EIA 364-28D, Condition VII, Level E

Mechanical Shock- Per EIA-364-27B, Condition A

Environmental:

Operating Temperature- -20 to + 85 degrees C, Per EIA 448, Method 10

Storage Temperature- -40 to + 100 degrees C

Humidity and Temperature Cycling- Per EIA-364-31B, Method III

Temperature Life- Per EIA-364-17B, Method B, Temperature Test Condition 3, Time Condition B

Thermal Shock- Per EIA-364-32C, -25 to 100 degrees C

Solderability- Per EIA-364-52, Class 2, Category 1, 95% Minimum coverage

Resistance to Solder Heat- Per EIA-364-56A, Procedure 3, Condition B

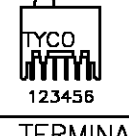
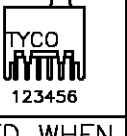
Mixed Flowing Gas- Per EIA-364-65A, Class IIIA, 20 Days (Gold Plate only)

1

Mark per 202-37 specification, TYCO/CHINA minimum requirement.

2

Anti Solder Wick Seal at Terminal to Board Interface.

6-1437576-0	MSS-2200G	GOLD	2 TO 1 5 TO 4		2 TO 3 5 TO 6
5-1437576-9	MSS2200	SILVER	2 TO 1 5 TO 4		2 TO 3 5 TO 6
TYCO PART NO.	T&B PART NO.	PLATING			

TERMINALS CONNECTED WHEN SLIDE IS IN POSITION SHOWN.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWYRB

20JAN04

CHKM

20JAN04

APVDM

20JAN04

NAME

SLIDE SWITCH, MSS 1200 SERIES, VERTICAL

SIZE

4:1

SCALE

4:1

SHEET

1

OF

1

REV

B

TYCO Electronics

Tyco Electronics Corporation

Harriburg, PA

00779

5-1437576-9

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CUSTOMER DRAWING

RESTRICTED TO

AMP 4805 REV 31MAR2000