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LOCAD

DISTOO

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	REVISED PER ECO-11-005027	11MAR11	RK	HMR

5.49
[.216]

12.99
[.512]

4.24
[.167]

2.01
[.079] APPROX. TRAVEL

NOTCHES 4 PLACES
TO INDICATE POS.

24.00
[.945]

6.86
[.270]

10.37
[.408]

ALCO®

11.98
[.472]

2.93
[.115]
TYP

3.35
[.132]
TYP

0.99
[.039]
TYP

2.49
[.098]
TYP

7.01
[.276]

0.51
[.020]
TYP

9.35
[.368]

4.07
[.160]

10.16
[.400]

MODEL NUMBER
STAMPED THIS SIDE

0.61
[.024]
TYP

0.41
[.016]

22.99
[.905]

3.99
[.157]

6.50
[.256]

2.29
[.090]

8.74
[.344]

4.19
[.165]

2.01
[.079]
TYP

ø1.50
[ø.059] 4X

ø0.89
[ø.035] 10X

PC BOARD LAYOUT, TOP VIEW
RECOMMENDED TOLERANCES ±.002

SPECIFICATIONS:
MAKE-BEFORE-BREAK

MATERIALS:
ACTUATOR - NYLON 66 UL94V-0, BLACK”
FRAME - TIN PLATED STEEL
TERMINAL BOARD - PHENOLIC LAMINATE UL94HB, NATURAL
TERMINAL (SILVER) - COPPER ALLOY- SILVER OVER NICKEL PLATE
TERMINAL (GOLD) - COPPER ALLOY- TIN OVER NICKEL PLATE
FIXED CONTACT (SILVER) - COPPER ALLOY- SILVER OVER NICKEL PLATE
FIXED CONTACT (GOLD) - COPPER ALLOY-GOLD OVER NICKEL PLATE
MIVING CONTACT (SILVER) - COPPER ALLOY- SILVER OVER NICKEL PLATE
MIVING CONTACT (GOLD) - COPPER ALLOY-GOLD OVER NICKEL PLATE
DETENT BALL - STAINLESS STEEL
COIL SPRING - TEMPERED STEEL WIRE
SEAL - EPOXY

ELECTRICAL:
CONTACT RATING - .4VA@20VDC OR PEAK AC (GOLD)
300mA@125V AC (SILVER)
INITIAL CONTACT RESISTANCE - 30milliohm max.
FINAL CONTACT RESISTANCE - 100milliohm max> (AFTER TEST)
INSULATION RESISTANCE - 1,000Megohms min.”
DIELECTRIC STRENGTH - 500V RMS@SEA LEVEL
LIFE EXPECTANCY - 15,000 CYCLES MIN.”

MECHANICAL:
ACTUATION FORCE - 600±300 GRAMS
TRAVEL - 2.00±0.51[.079±.020]

ENVIRONMENTAL:
OPERATING TEMPERATURE - -20 TO +85 DEGREES C
STORAGE TEMPERATURE - -40 TO +100 DEGREES C
RESISTANCE TO SOLDER HEAT PER 109-202, CONDITION B
SOLDERABILITY PER EIA- 364-52, CLASS 2, CATEGORY 1, 95% MIN
COVERAGE

NOTES:
1. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU
DIRECTIVE 2002 95/EC OF 27JAN2003 (ROHS).
2. ANTI SOLDER WICK SEAL AT TERMINAL TO BOARD INTERFACE.

1,3&6,8	2,3&7,8	3,4&8,9	3,5&8,10	DP4T	GOLD	MSSA2450G04	1825200-2	
1,3&6,8	2,3&7,8	3,4&8,9	3,5&8,10	DP4T	SILVER	MSSA245004	1825200-1	
				TYPE	CONTACT PLATING	ALCO P/N	P/N	
LEFT	LEFT CENTER	RIGHT CENTER	RIGHT					
ACTUATOR POSITION					TE Connectivity	OUTLINE DRAWING SLIDE SWITCH, DP 4 POS. (MSSA-2450 SERIES)		
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN C.THEODORE				
DIMENSIONS: mm [INCHES]				CHK —				
				APVD —				
TOLERANCES UNLESS OTHERWISE SPECIFIED:				PRODUCT SPEC —				
0 PLC ± - 1 PLC ± - 2 PLC ± 0.25[.010] 3 PLC ± - 4 PLC ± - ANGLES ± 1°				APPLICATION SPEC —				
MATERIAL SEE SPECIFICATIONS				WEIGHT —		SIZE A2	RESTRICTED TO —	
FINISH SEE SPECIFICATIONS				CUSTOMER DRAWING		CAGE CODE 00779		
SCALE 3:1						DRAWING NO C=1825200	REV A1	
SHEET 1 OF 1								

1471-9 (3/11)

1825200

Mouser Electronics

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[TE Connectivity:](#)

[MSSA245004](#)