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LOC

DIST

AD

00

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]

2.93
[.115] TYP

11.98
[.472]

7.01
[.276]

3.35
[.132] TYP

0.99
[.039] TYP

2.49
[.098] TYP

0.51
[.020] TYP

10.16
[.400]

0.61
[.024] TYP

9.35
[.368]

4.07
[.160]

0.41
[.016]

MODEL NUMBER
STAMPED THIS SIDE

22.99
[.905]

3.99
[.157]

2.29
[.090]

4.19
[.165]

6.50
[.256]

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								
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	C.THEODORE	TE Connectivity		
				CHK	-			
				APVD	-	NAME		
				PRODUCT SPEC	-			
				APPLICATION SPEC	-	OUTLINE DRAWING SLIDE SWITCH, DP 4 POS. (MSSA-2450 SERIES)		
				WEIGHT	-			
				CUSTOMER DRAWING	SCALE	3:1	SHEET	
						1	OF 1	
							REV	
							A1	

1471-9 (3/11)

1825200