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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]

NOTCHES 4 PLACES
TO INDICATE POS.

4.24
[.167]

2.01
[.079] APPROX. TRAVEL

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

12

1

2

3

4

5

6

7

8

9

10

9.35
[.368]

4.07
[.160]

10.16
[.400]

0.61
[.024]
TYP

0.41
[.016]

MODEL NUMBER
STAMPED THIS SIDE

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				
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN C.THEODORE						
DIMENSIONS: mm [INCHES]				CHK -						
TOLERANCES UNLESS OTHERWISE SPECIFIED:				APVD -						
				PRODUCT SPEC -	OUTLINE DRAWING SLIDE SWITCH, DP 4 POS. (MSSA-2450 SERIES)					
0 PLC ± -				APPLICATION SPEC -						
1 PLC ± -				-						
2 PLC ± 0.25[.010]				-	SIZE	CAGE CODE	DRAWING NO			
3 PLC ± -				-	A2	00779	C=1825200			
4 PLC ± -				-	RESTRICTED TO					
ANGLES ± 1°				WEIGHT -	1 OF 1					
FINISH				CUSTOMER DRAWING	SCALE 3:1	SHEET	REV A1			
SEE SPECIFICATIONS										
SEE SPECIFICATIONS										