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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED PER :ECO-17-014758	18DEC2017	GCM	PO

SPECIFICATIONS

MATERIALS

CASE: THERMOPLASTIC, UL94V-0, IVORY  
 ACTUATOR: SILICON RUBBER, COLOR-BLACK  
 CONTACT: STAINLESS STEEL, PLATING-SILVER  
 TERMINAL: BRASS, SILVER/NICKEL  
 BRACKET: NICKEL SILVER

ELECTRICAL

MAX CONTACT RATING: 50MILLIAMPS@24V DC  
 MIN CONTACT RATING: 10MICROAMPS@1V DC  
 INITIAL CONTACT RESISTANCE: 100 MILLIOHMS MAX, PER EIA RS-448, METHOD 1  
 INSULATION RESISTANCE: 100 MEGOHMS MIN @ 100VDC PER EIA RS-186-13E  
 DIELECTRIC STRENGTH: 500 VAC 50/60 HZ FOR 1 MINUTE  
 CONTACT BOUNCE: 10 MILLISECOND MAX PER EIA-448-18, METHOD 15

MECHANICAL

ACTUATOR OPERATING FORCE: SEE TABLE  
 ACTUATOR TRAVEL: 0.35±0.2mm

DURABILITY

UP TO 1,000,000 CYCLES, AT RATED LOAD PER EIA-RS-448, METHOD 8  
 FINAL CONTACT RESISTANCE: 200 MILLIOHMS MAX  
 CONTACT BOUNCE: 20 MILLISECONDS MAX  
 ACTUATOR FORCE: WITHIN ±30% OF INITIAL VALUE

ENVIRONMENTAL

OPERATING TEMPERATURE RANGE: -35°C to +85°C, 45% - 85% RH  
 STORAGE TEMPERATURE RANGE: -35°C to +85°C  
 HUMIDITY: 96 HOURS PER EIA-186-1E  
 INSULATION RESISTANCE: 10 MEGOHMS MIN  
 DIELECTRIC STRENGTH: 500VAC 50/60HZ FOR 1 MINUTE  
 CONTACT RESISTANCE: 100 MILLIOHMS MAX  
 DRY HEAT TEST: 85°C FOR 96 HOURS PER IEC 60068-2-2, TEST B,  
 NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS  
 COLD TEST: -35°C FOR 96 HOURS PER IEC 60068-2-1, TEST A;  
 NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS  
 THERMAL CYCLING: 5 CYCLES, -35°C to +85°C  
 HUMIDITY-TEMPERATURE CYCLING, EIA 364-31B, METHOD III  
 CONTACT RESISTANCE 100 MILLIOHMS MAX  
 RESISTANCE TO SOLDERING HEAT PER 109-201, COND B

SEALING PER IP67 - CONTACT RESISTANCE 100 MILLIOHMS MAX AND  
 MIL-STD-202F, METHOD 112 (TEST CONDITION D, EXCEPT WITH FLUID  
 TEMPERATURE OF 85°C±5°C AND IMMERSED FOR 60 SECONDS)

SOLDERABILITY: PER EIA-364-52, CLASS 1, CATEGORY 2

NOTES:

1. PARTS TO BE PACKAGED ON TAPE AND REEL PER EIA-481  
 2. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE  
 2002/95/EC OF 27JAN2003 (ROHS)

CIRCUIT DIAGRAM

VIEW A-A

P.C.B MOUNTING SOLDER LAND DIMENSIONS

1	16mm	T&R	260±100gf	1.60mm	1977497-1
	Pitch	Tape Width	Operating force	Dim L	TE P/N

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER	17JUL08	<b>TE</b> TE Connectivity	
DIMENSIONS: mm		CHK M.SARVER			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M.SARVER		NAME SWITCH ASSEMBLY, TACTILE, RIGHT ANGLE, SMT, SEALED	
0 PLC ± -		PRODUCT SPEC		APPLICATION SPEC	
1 PLC ± -				SIZE	
2 PLC ± 0.30[.012]				CAGE CODE	
3 PLC ± -				DRAWING NO	
4 PLC ± -				RESTRICTED TO	
ANGLES ± -				A2 00779 C=1977497	
FINISH				WEIGHT 0.000000	
				SCALE 8:1 SHEET 1 OF 1 REV B	
				CUSTOMER DRAWING	

1471-9 (1/15)

1977497

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