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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
AD	00	E2	REVISED PER ECO-15-015403	27OCT2015	NK RH

TERMINAL NO. 3

TERMINAL NO. 4

CIRCUIT DIAGRAM

ALL SURFACES 0.10

P.C.B MOUNTING SOLDER LAND DIMENSION

SPECIFICATIONS

MATERIALS

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

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: 250VAC PER EIA RS-186-4E  
 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: 250VAC  
 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: -25°C FOR 96 HOURS PER IEC 60068-2-1, TEST A;  
 NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS  
 THERMAL CYCLING: 5 CYCLES, -30°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

SOLDERABILITY: PER EIA RS-186-9E

1 PACKAGE ON TAPE AND REEL PER EIA-481

2 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

1 TAPE AND REEL	160±50gf	1571296-2
BULK	160±50gf	1571296-1
PACKAGING	OPERATING FORCE	TE PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	24APR02	R BROWN	
DIMENSIONS: mm		CHK	24APR02	H WYNKOOP	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	24APR02	H WYNKOOP	
0 PLC	± -	PRODUCT SPEC			
1 PLC	± -	APPLICATION SPEC			
2 PLC	± 0.20	-			
3 PLC	± -	-			
4 PLC	± -	-			
ANGLES	± -	-			
FINISH	-	-			
MATERIAL		WEIGHT	-	-	
-		CUSTOMER DRAWING		SCALE	8:1
-		-		SHEET	1 OF 1
-		-		REV	E2

SWITCH ASSEMBLY, TACTILE,  
6mm SEALED, SMT

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C=1571296	-

1471-9 (3/11)

1571296

B

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