

SPECIFICATIONS

MATERIALS

CASE: THERMOPLASTIC, UL94V-0, BLACK
ACTUATOR: THERMOPLASTIC, UL94V-0, FINISH: SEE P/N TABLE
COVER: STAINLESS STEEL
SEAL: SILICON RUBBER, BLACK
CONTACT: STAINLESS STEEL, PLATED-SILVER
TERMINAL: BRASS, PLATED-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: 500VAC 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 [.014±.008]

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
STORAGE TEMPERATURE RANGE: -35°C to +85°C
HUMIDITY: 96 HOURS PER EIA-186-1E
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

SOLDERABILITY: PER EIA 364-52, CLASS 1 CAT 2
SEALING PER IP67

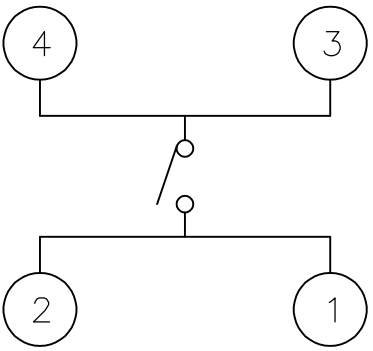
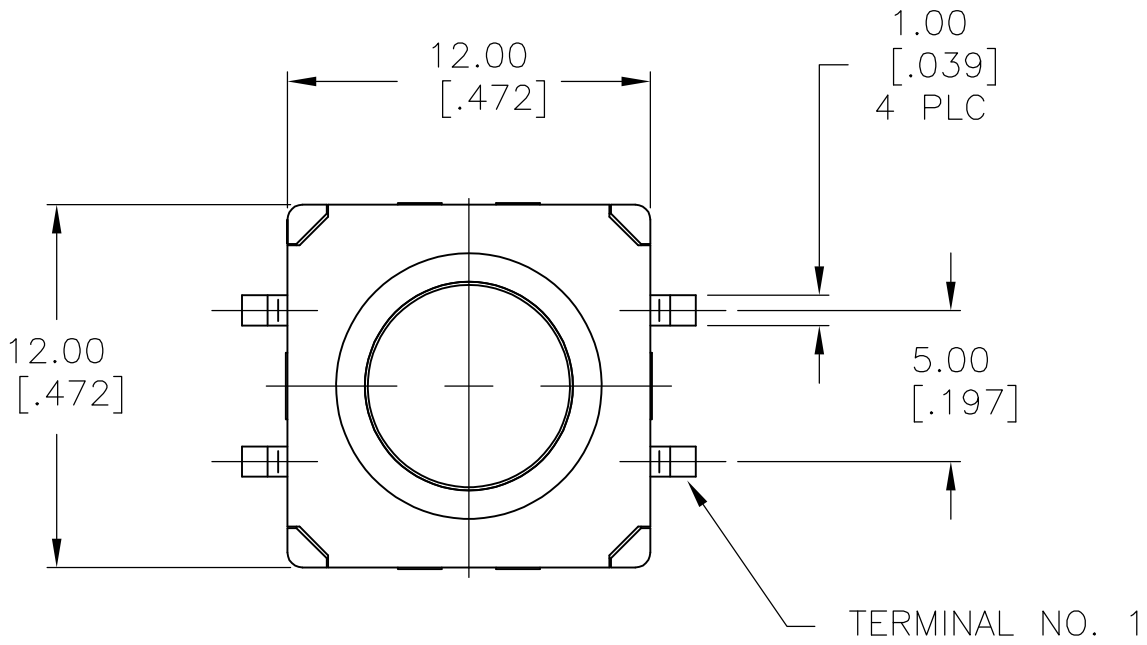
- 1

PARTS TO BE PACKAGED ON TAPE AND REEL PER EIA-481
- 2

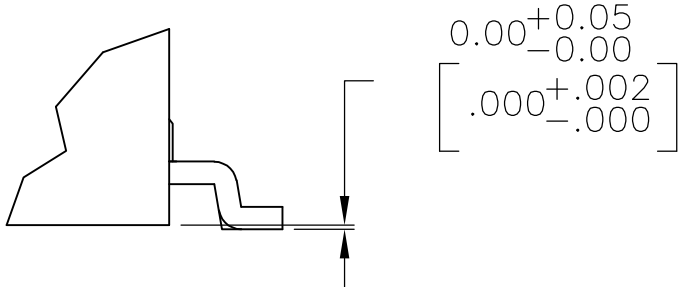
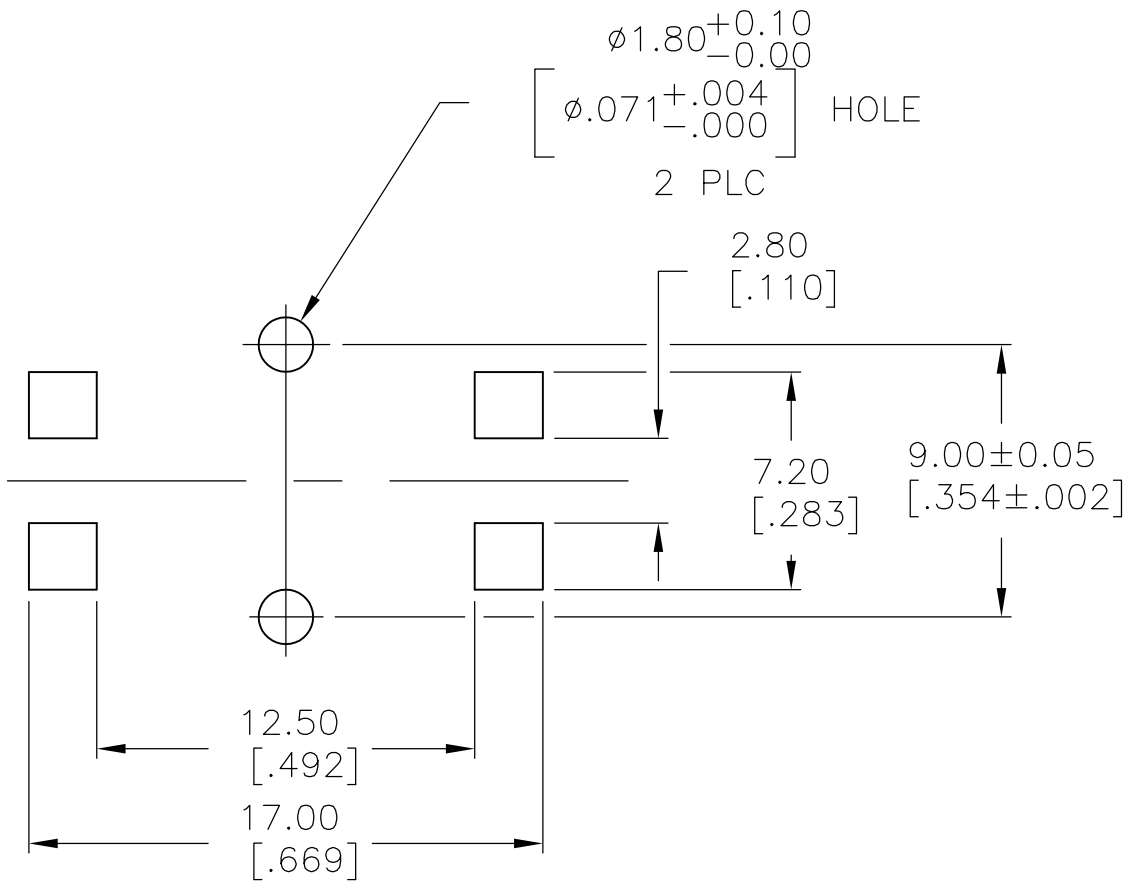
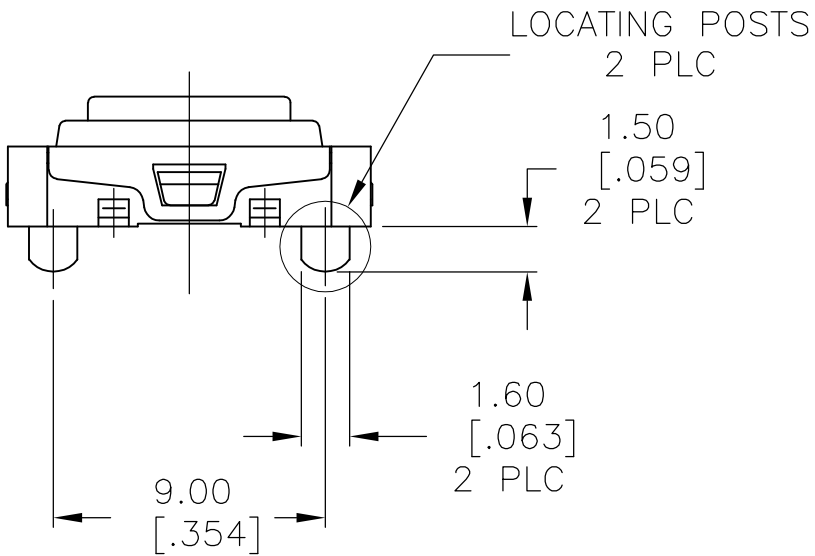
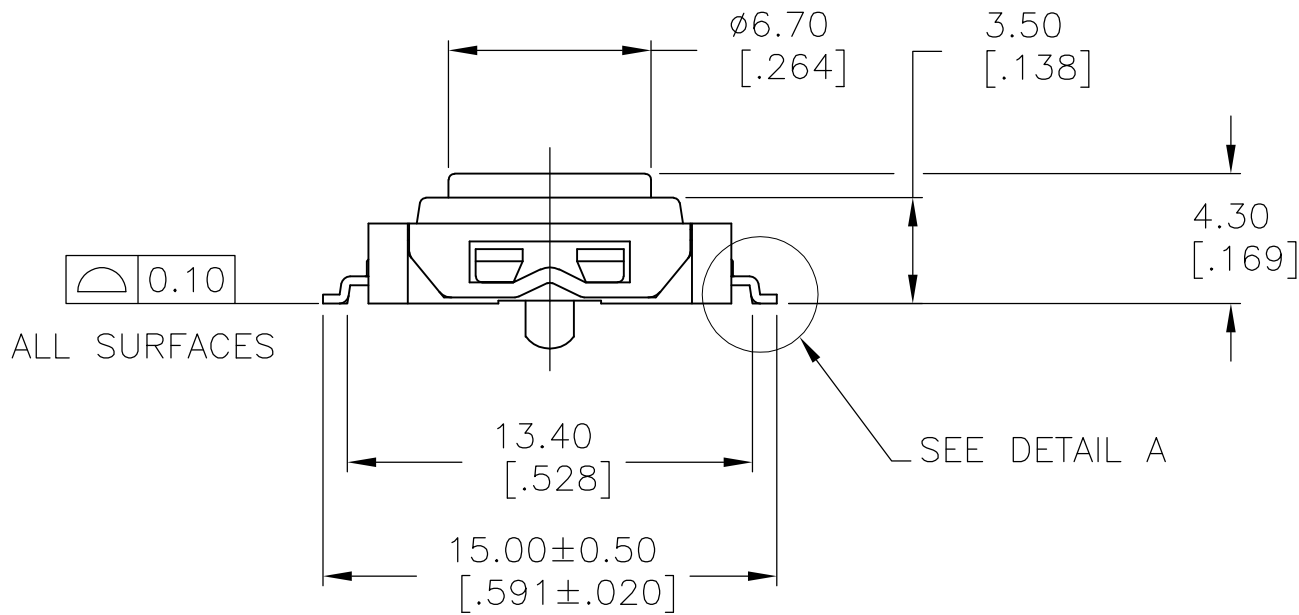
ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

1	T&R	RED	260±50gf	WITHOUT LOCATING POSTS	1571218-6
	BULK	RED	260±50gf	WITHOUT LOCATING POSTS	1571218-5
1	T&R	BLACK	160±50gf	WITH LOCATING POSTS	1571218-4
1	T&R	BLACK	160±50gf	WITHOUT LOCATING POSTS	1571218-3
	BULK	BLACK	160±50gf	WITH LOCATING POSTS	1571218-2
	BULK	BLACK	160±50gf	WITHOUT LOCATING POSTS	1571218-1
	PACKAGING	ACTUATOR COLOR	OPERATING FORCE	REMARKS	TE PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN	R BROWN	16JAN02	 TE Connectivity					
DIMENSIONS: mm [INCHES]			CHK	H WYNKOOP	16JAN02						
			APVD	H WYNKOOP	16JAN02	NAME SWITCH ASSEMBLY, TACTILE, 12 X 12, SMT, SEALED					
			PRODUCT SPEC —								
TOLERANCES UNLESS OTHERWISE SPECIFIED:			APPLICATION SPEC —			SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO		
			—								
MATERIAL —			WEIGHT —			A2				00779	C=1571218
FINISH —			CUSTOMER DRAWING								
						SCALE	4:1	SHEET	1 of 1	REV	K1



CIRCUIT DIAGRAM



DETAIL A
SCALE 10:1

SOLDER PAD DIMENSION