

LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			H	ECO-07-000908	02JUL07	MB	MS

SPECIFICATIONS

MATERIALS

CASE: THERMOPLASTIC, UL94V-0, BLACK
ACTUATOR: THERMOPLASTIC, UL94V-0, BLACK
COVER: STAINLESS STEEL
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: 500 VAC
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 $\pm 30\%$ OF INITIAL VALUE

ENVIRONMENTAL

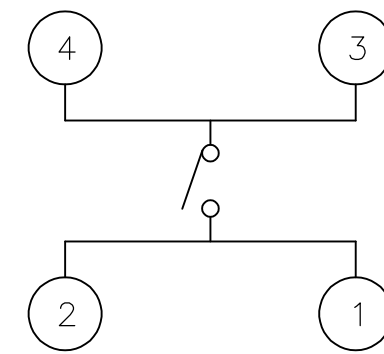
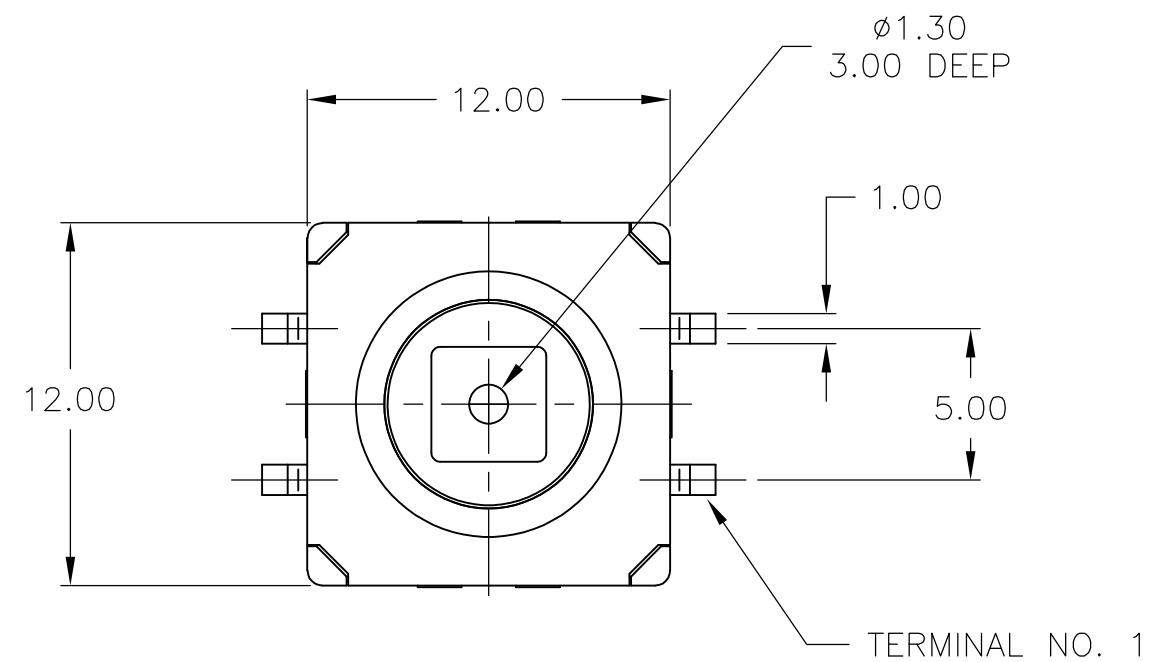
OPERATING TEMPERATURE RANGE: -35°C to +85°C
STORAGE TEMPERATURE RANGE: -35°C to +85°C
HUMIDITY: 96 HOURS PER EIA-186-1E
INSULATION RESISTANCE: 10 MEGOHMS MIN
DIELECTRIC STRENGTH: 250VAC
CONTACT RESISTANCE: 100 MILLIOHMS MAX
DRY HEAT TEST: 85°C FOR 96 HOURS PER IEC 60068-2-2, TEST B,
NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS
COLD TEST: -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 RS-186-9E

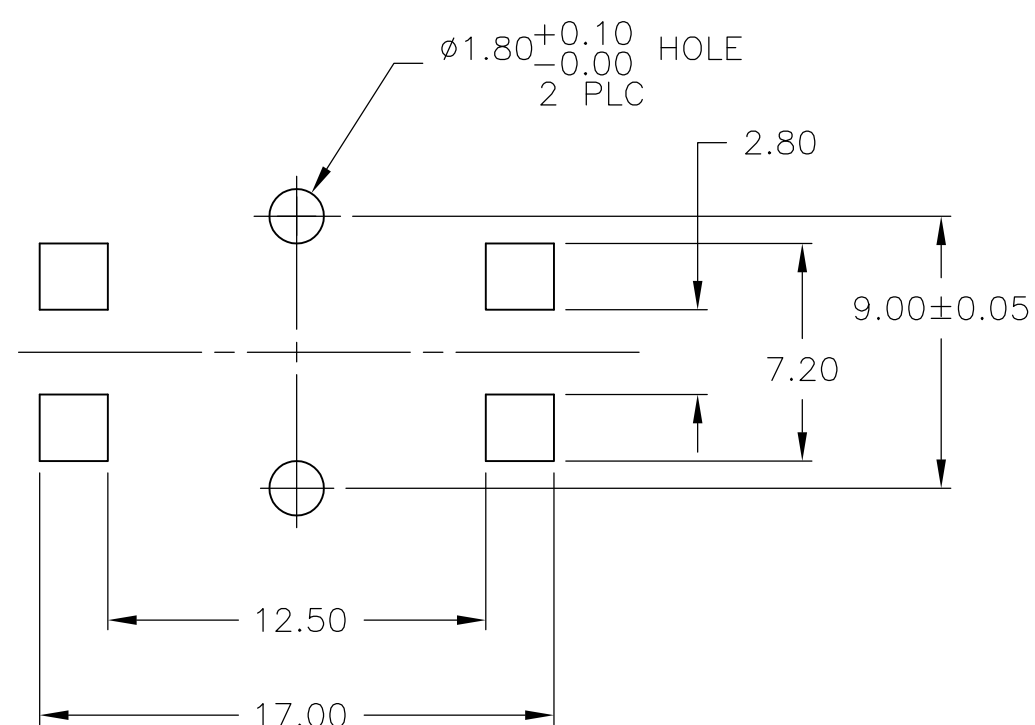
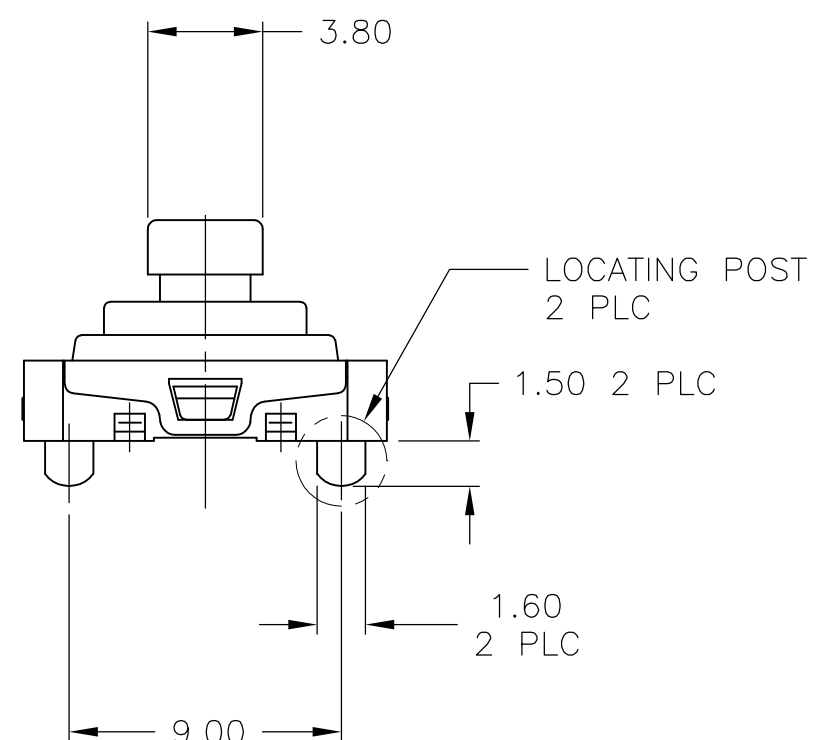
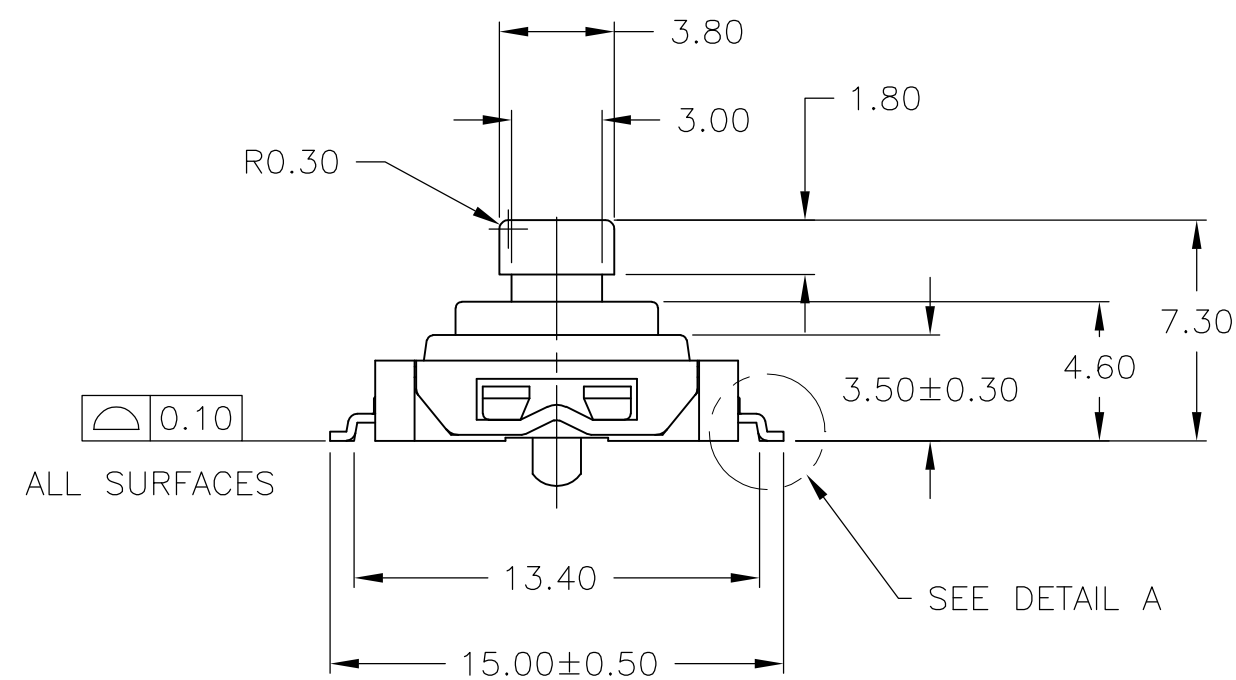
SEALED PER IP67

1 PACKAGE ON TAPE AND REEL PER EIA-481

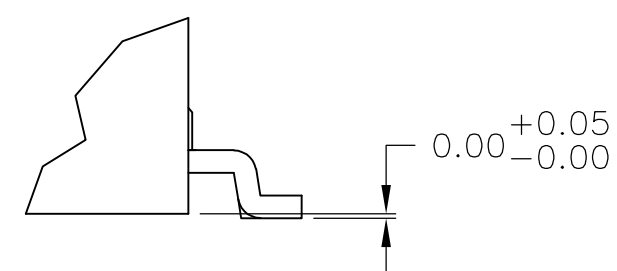
2. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)



CIRCUIT DIAGRAM



SOLDER PAD DIMENSION



DETAIL A
SCALE 10:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R BROWN 16JAN2002		 Tyco Electronics Corporation Harrisburg, PA 17105	
DIMENSIONS:		CHK H WYNKOOP 16JAN02		NAME SWITCH ASSEMBLY, TACTILE, 12 X 12, SMT, SEALED	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD H WYNKOOP 16JAN02			
MM		PRODUCT SPEC —			
		APPLICATION SPEC —			
0 PLC ± — 1 PLC ± — 2 PLC ± 0.30 3 PLC ± — 4 PLC ± — ANGLES ± ± —		WEIGHT —		SIZE A2	CAGE CODE 00779
MATERIAL —		FINISH —		DRAWING NO C-1571217	
		CUSTOMER DRAWING		SCALE 4:1	SHEET 1 of 1
				REV H	