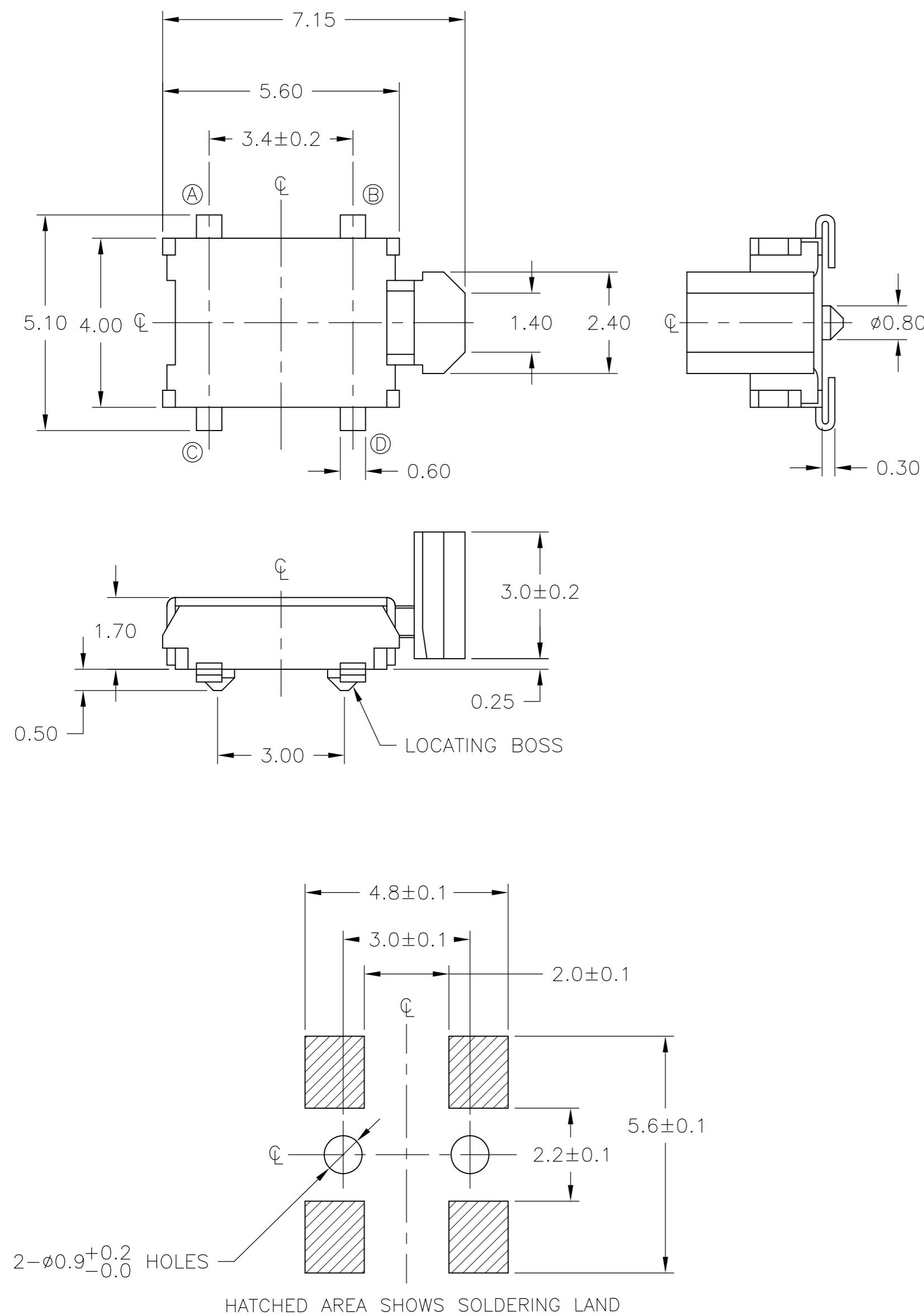


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LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		A		EC-05-5819	29AUG06	MB	MS
		A1		REVISED PER ECO-10-000444	19JAN10	KK	HMR



SCHEMATIC

PIERCING PLAN

MATERIALS:

CASE: NYLON 4/6, UL94V-0, BLACK
 ACTUATOR: NYLON 4/6, UL94V-0, BLACK
 COVER: STAINLESS STEEL
 CONTACT PLATE: STAINLESS STEEL, SILVER CLAD OVER NICKEL PLATE
 TERMINALS: COPPER ALLOY, SILVER OVER NICKEL PLATE
 MASKING TAPE: TEFLON

ELECTRICAL:

CONTACT RATING: 50mA @ 12VDC, PER EIA-448, METHOD 6
 INITIAL CONTACT RESISTANCE: 100 MILLIOHMS MAX
 PER EIA-364-23B, EACH POSN.
 INSULATION RESISTANCE: 100 MEGAOMHS MIN.
 PER EIA-364-21C EACH POSN.
 DIELECTRIC STRENGTH: 250 VAC FOR 1 MINUTE,
 PER EIA-364-20B, CONDITION 1 EACH POSN
 CONTACT BOUNCE: 10 MILLISECONDS MAX
 LIFE EXPECTANCY: UP TO 100,000 CYCLES
 FINAL CONTACT RESISTANCE: 200 MILLIOHMS MAX
 FINAL ACTUATING FORCE: ±30% OF INITIAL VALUE
 FINAL CONTACT BOUNCE: 20 MILLISECONDS MAX

MECHANICAL:

ACTUATION FORCE: 160 $^{+70}_{-40}$ GF
 ACTUATION TRAVEL: 0.30 $^{+0.1}_{-0.2}$ MM
 LIFE EXPECTANCY: 100,000 CYCLES MIN(2 CYCLES PER SECOND
 AND 150% ACTUATION FORCE) PER EIA-448 METHODS 8 AND 9
 VIBRATION: PER EIA 364-28D, CONDITION VII, LEVEL E
 MECHANICAL SHOCK: PER EIA-364-27C, CONDITION A

ENVIRONMENTAL:

OPERATING TEMPERATURE: -20° TO +70°C, PER EIA-448, METHOD 10
 STORAGE TEMPERATURE: -30° TO +80°C
 HUMIDITY AND TEMPERATURE CYCLING: PER EIA-364-31B, METHOD III
 THERMAL SHOCK: PER EIA-364-32C, -30° TO +80°C
 SOLDERABILITY: PER EIA-364-52, CLASS 2, CATEGORY 1,
 TEMP: 245°C MAX, TIME: 2.5 SECONDS MAX, 95% MINIMUM COVERAGE
 RESISTANCE TO SOLDER HEAT, PER EIA-364-56A,
 PROCEDURE 4 AND 5, LEVEL 3

PACKAGING: TAPE AND REEL PACKAGING PER EIA 481

1 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

OBsolete	2000	8MM	16MM	TAPE AND REEL	W/BOSS	1825106-4
	—	—	—	BULK	W/BOSS	1825106-3
	2000	8MM	16MM	TAPE AND REEL	W/O BOSS	1825106-2
	—	—	—	BULK	W/O BOSS	1825106-1
QTY/REEL	PITCH	WIDTH	PACKAGING	FEATURES	PART NUMBER	

THIS DRAWING IS A CONTROLLED DOCUMENT.		15DEC04	Tyco Electronics Corporation	
R BROWN		15DEC04	Harrisburg, PA 17105	
M SARVER		15DEC04	NAME	
APVD		15DEC04	TACTILE SWITCH, SIDE ACTUATED, SMT	
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:			
MM				
0 PLC	± —			
1 PLC	± 0.3			
2 PLC	± —			
3 PLC	± —			
4 PLC	± —			
ANGLES	± —			
APPLICATION SPEC				
PRODUCT SPEC				
MATERIAL		WEIGHT		
FINISH		—		
—				
CUSTOMER DRAWING				
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
A2	00779	C-1825106	—	
SCALE	10:1	SHEET	1 OF 1	REV A1

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