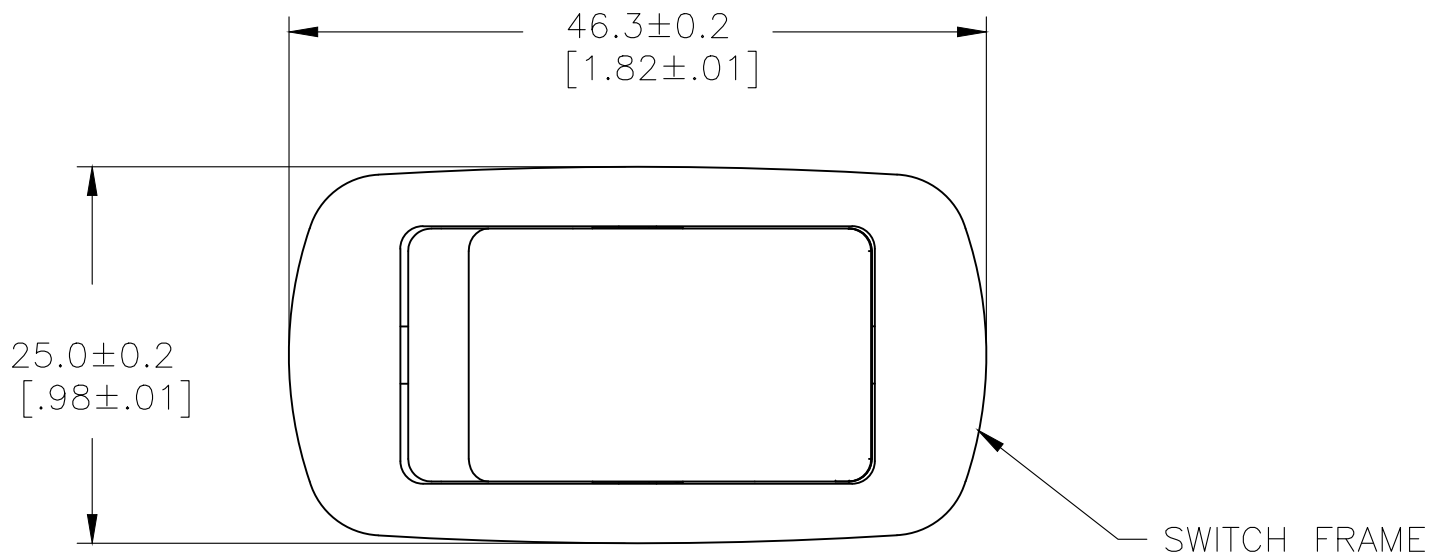
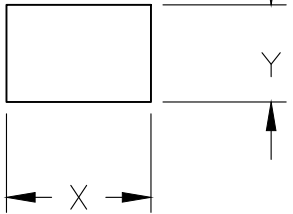


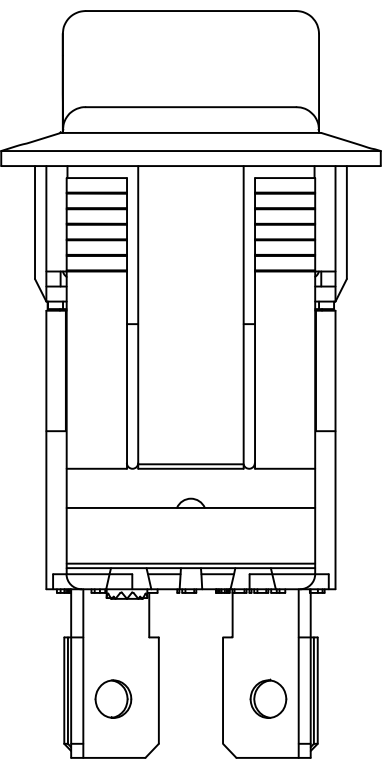
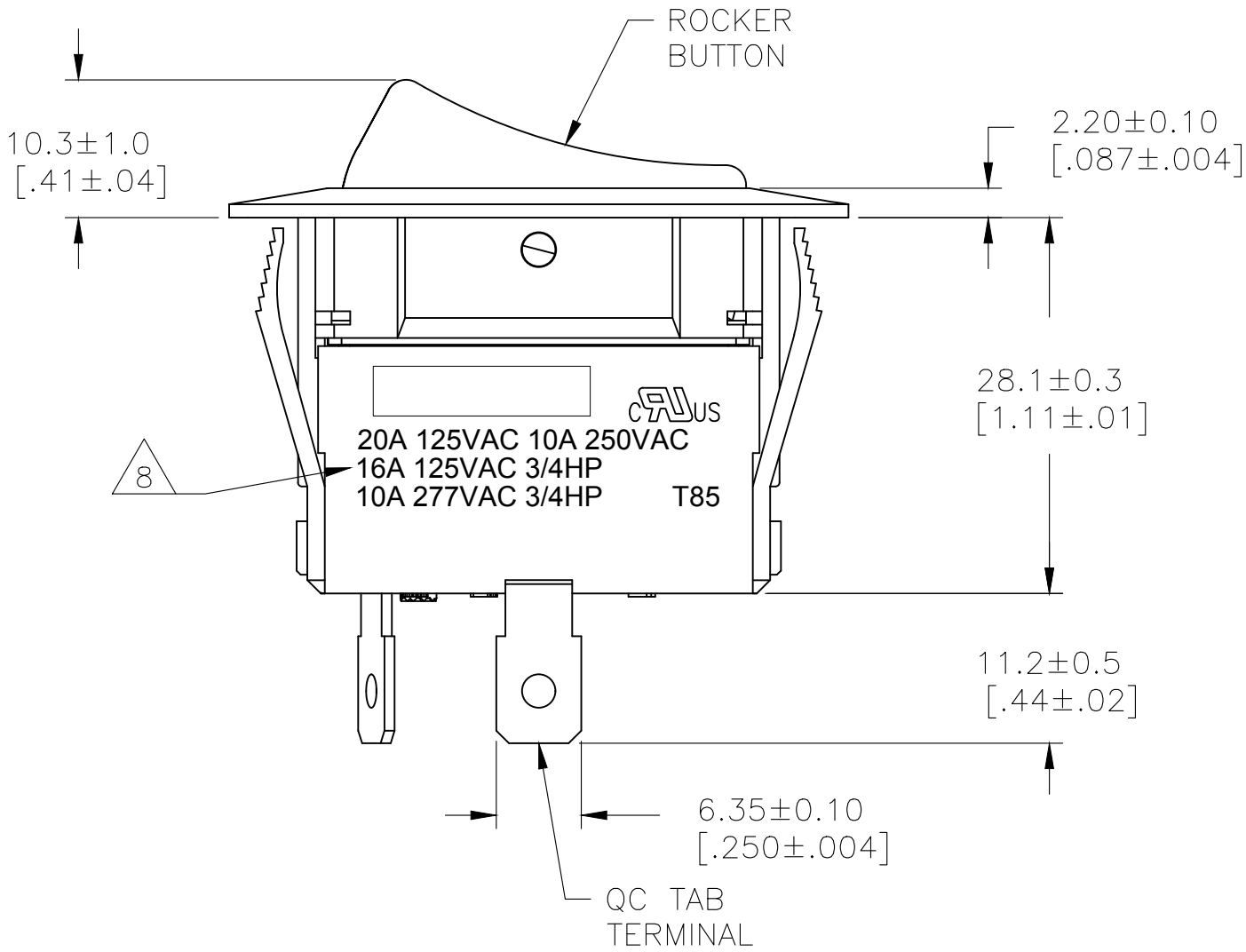
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P	LTR	DESCRIPTION	DATE	DWN	APVD
	D	REVISED PER ECO-14-016691	05NOV2014	NK	RH
	D1	REVISED PER ECO-16-017354	09MAR2017	RK	AS



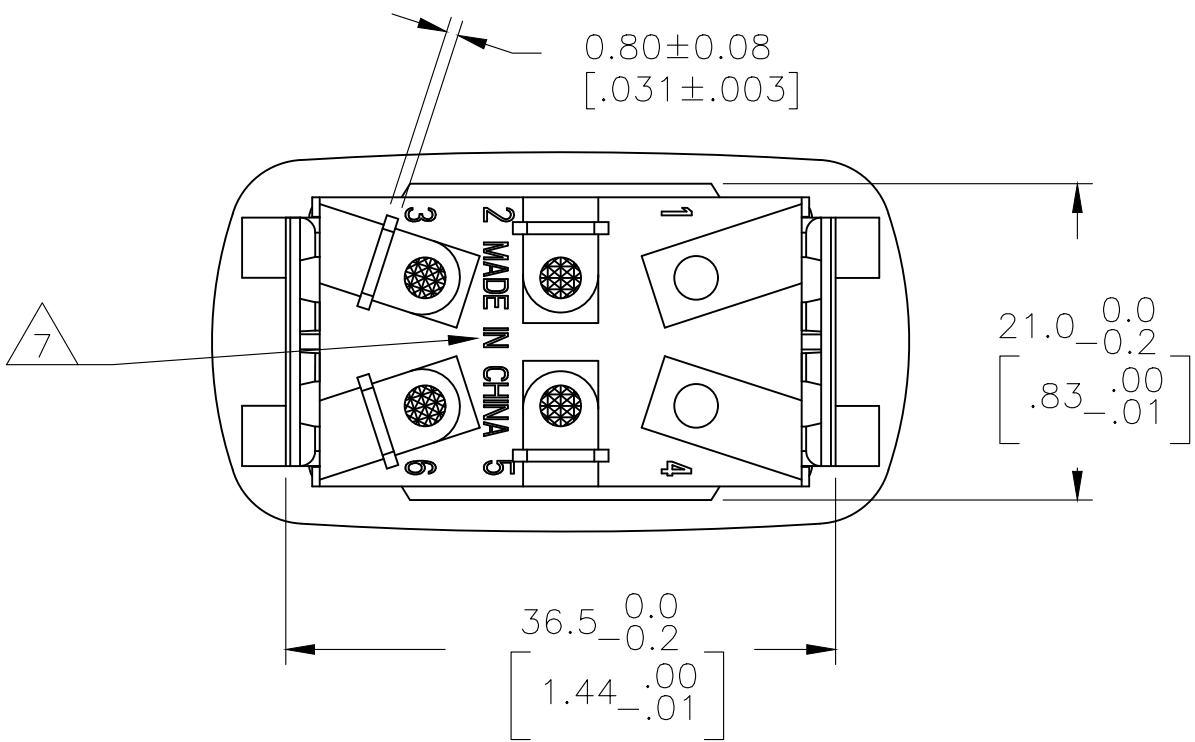
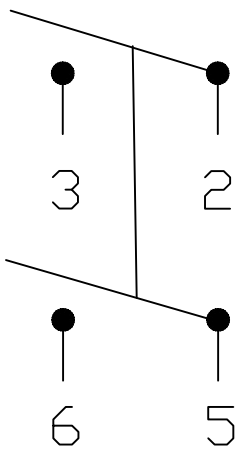
PANEL CUT OUT



2.00-3.00 [.079-.118]	21.2+0.1 [.835+.004]	37.0+0.2 [1.457+.008]
1.25-2.00 [.049-.079]	21.2+0.1 [.835+.004]	36.8+0.2 [1.449+.008]
.075-1.25 [.030-.049]	21.2+0.1 [.835+.004]	36.6+0.2 [1.441+.008]
PANEL THICKNESS	Y	X

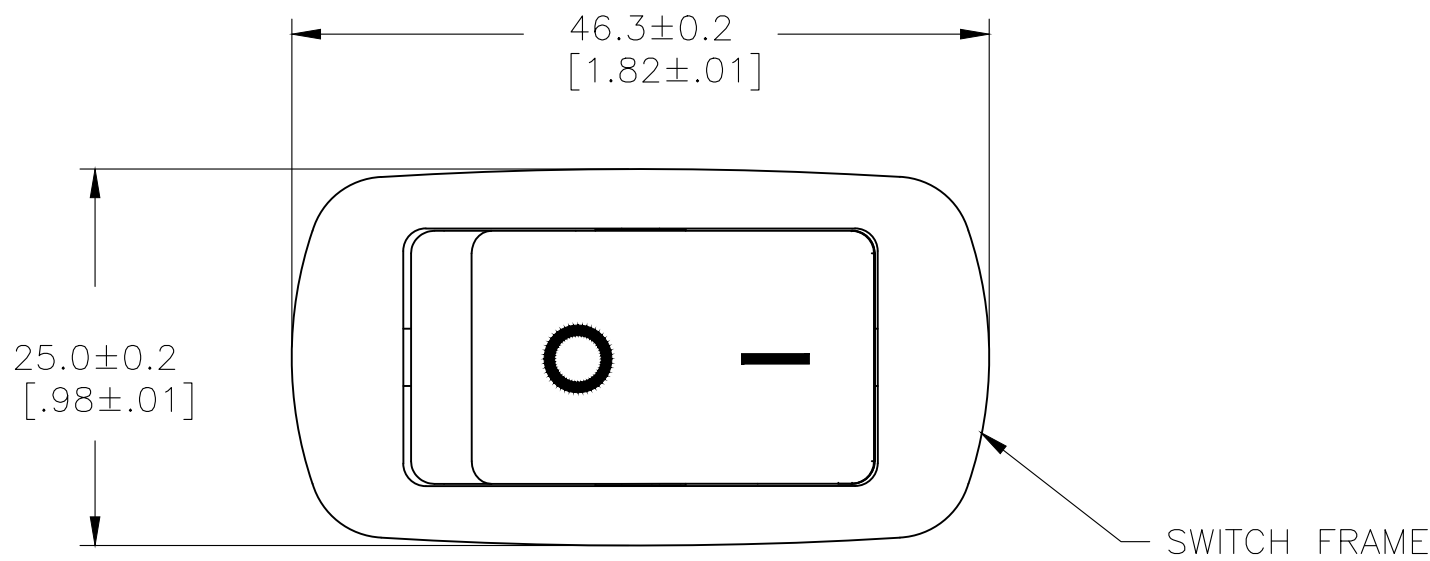


SWITCH FUNCTION A1
CIRCUIT DIAGRAM

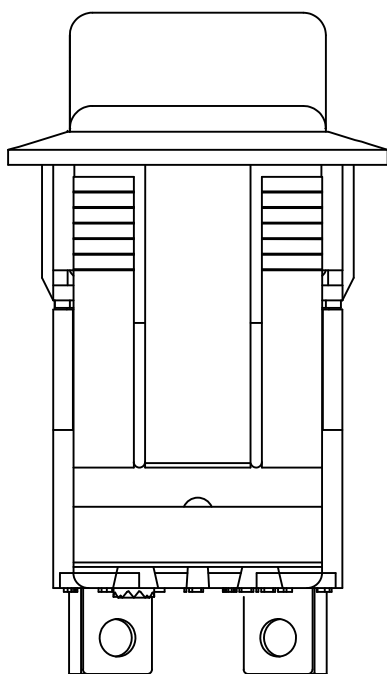
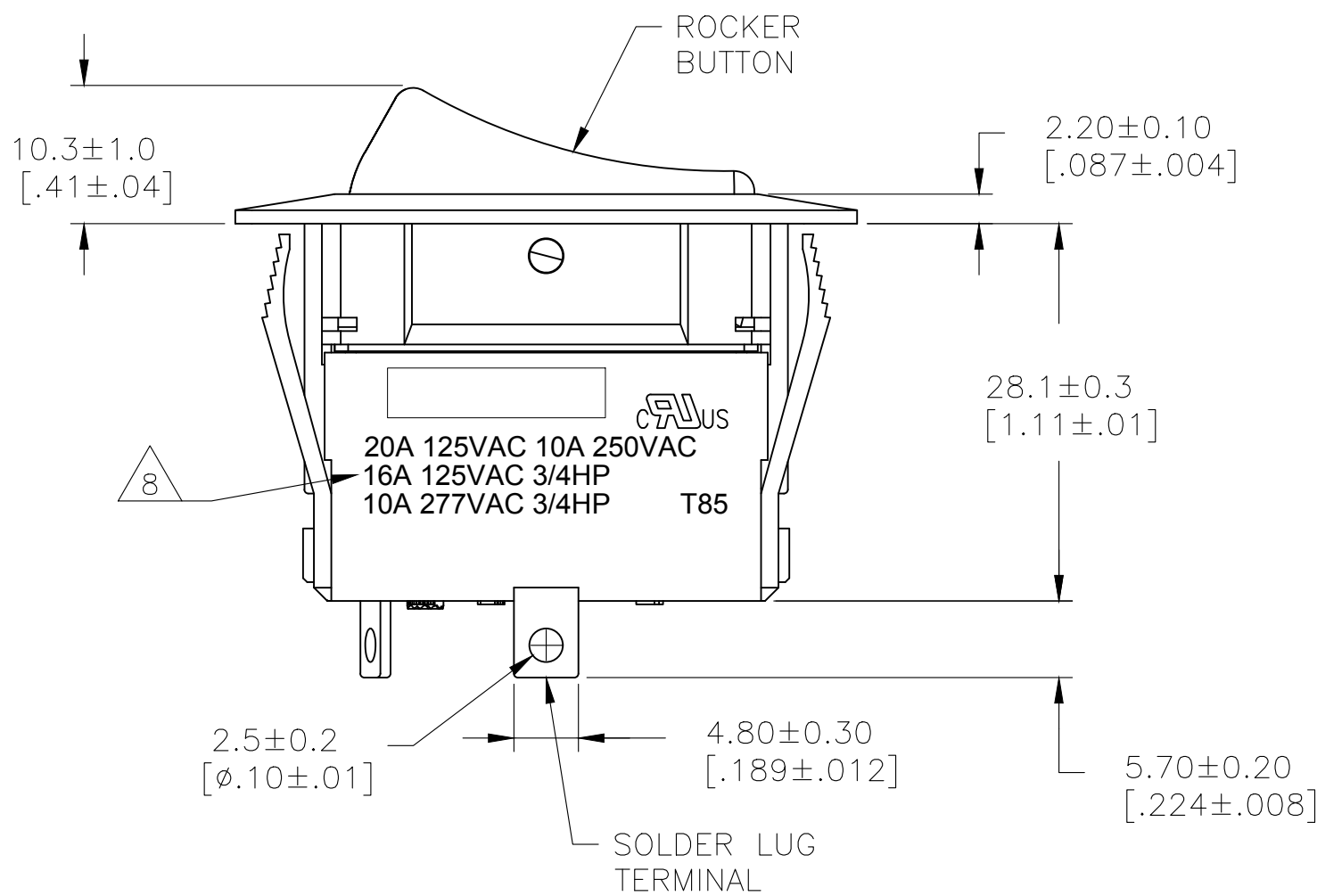
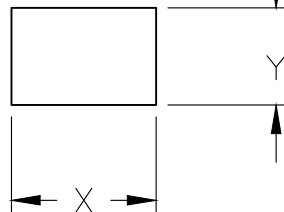


OBSOLETE 1571102-1
SHOWN

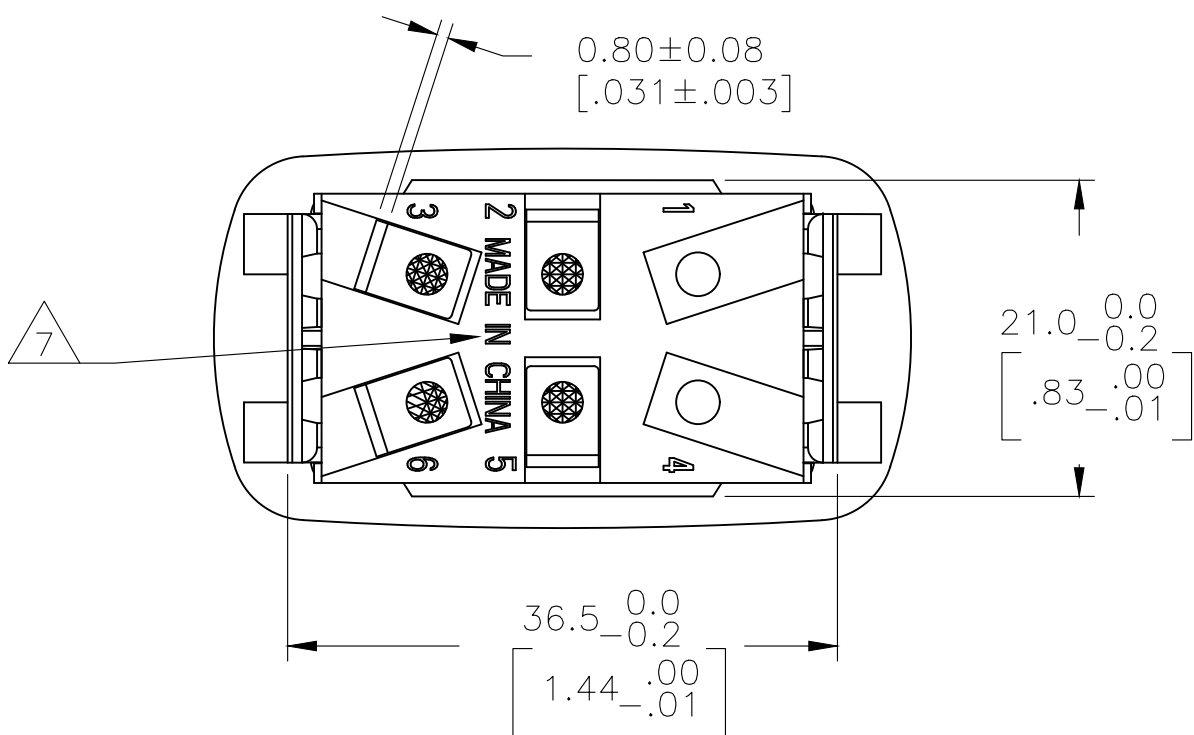
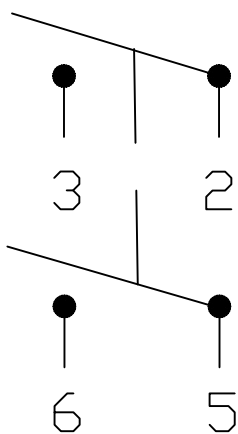
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 25FEB2002	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK D.ROHDE 16NOV05			
		APVD D.ROHDE 16NOV05	NAME POWER ROCKER SWITCH, 21.2mm X 36.6mm MIN PANEL SIZE DPST, NON-ILLUMINATED		
		PRODUCT SPEC	—		
MATERIAL 1		APPLICATION SPEC	—		
		WEIGHT	—		
FINISH 2		CUSTOMER DRAWING	SIZE A2	CAGE CODE 00779	DRAWING NO C-1571102
		SCALE 2:1	SHEET 1 of 4	REV D1	RESTRICTED TO —



PANEL CUT OUT



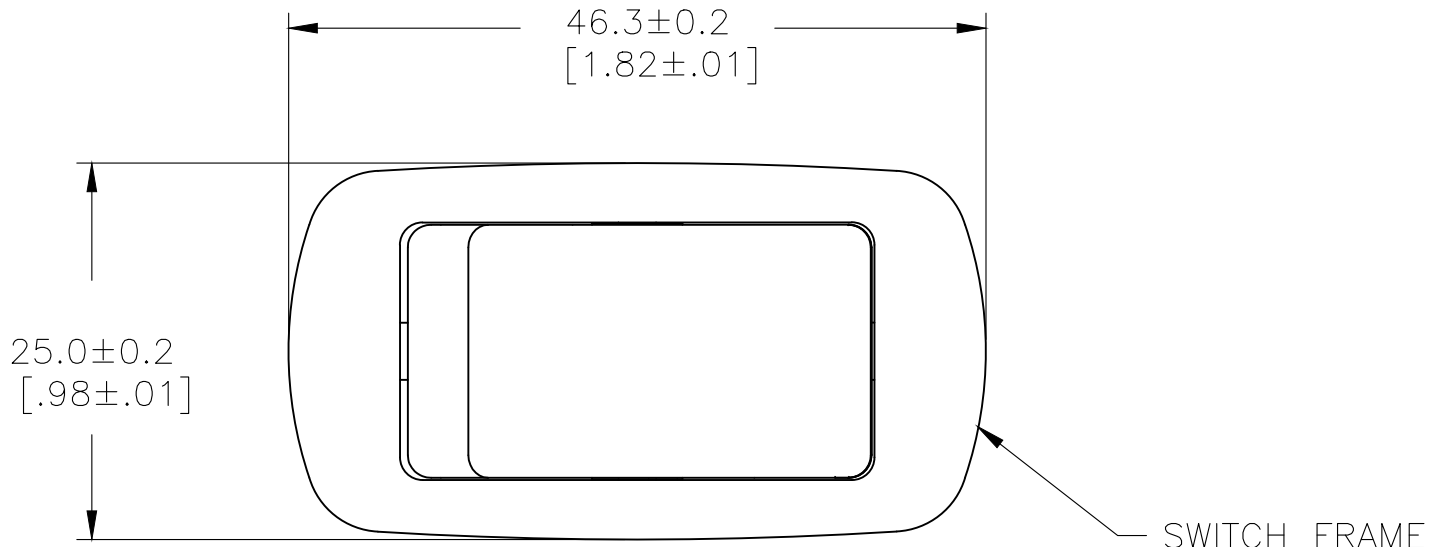
SWITCH FUNCTION A1
CIRCUIT DIAGRAM



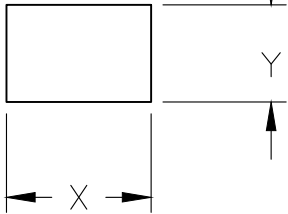
OBSOLETE 1571102-5
SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 25FEB2002	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK D.ROHDE 16NOV05		
		APVD D.ROHDE 16NOV05	NAME POWER ROCKER SWITCH, 21.2mm X 36.6mm MIN PANEL SIZE DPST, NON-ILLUMINATED	
		PRODUCT SPEC	SIZE A2	
MATERIAL 1		APPLICATION SPEC	CAGE CODE 00779	
FINISH 2		WEIGHT -	DRAWING NO C-1571102	
		CUSTOMER DRAWING	SCALE 2:1	SHEET 2 of 4
			REV D1	

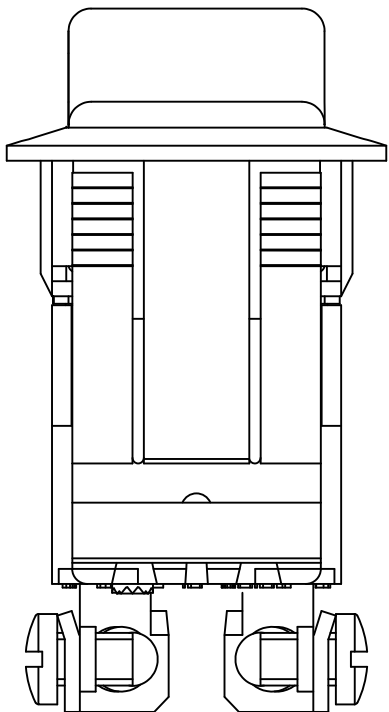
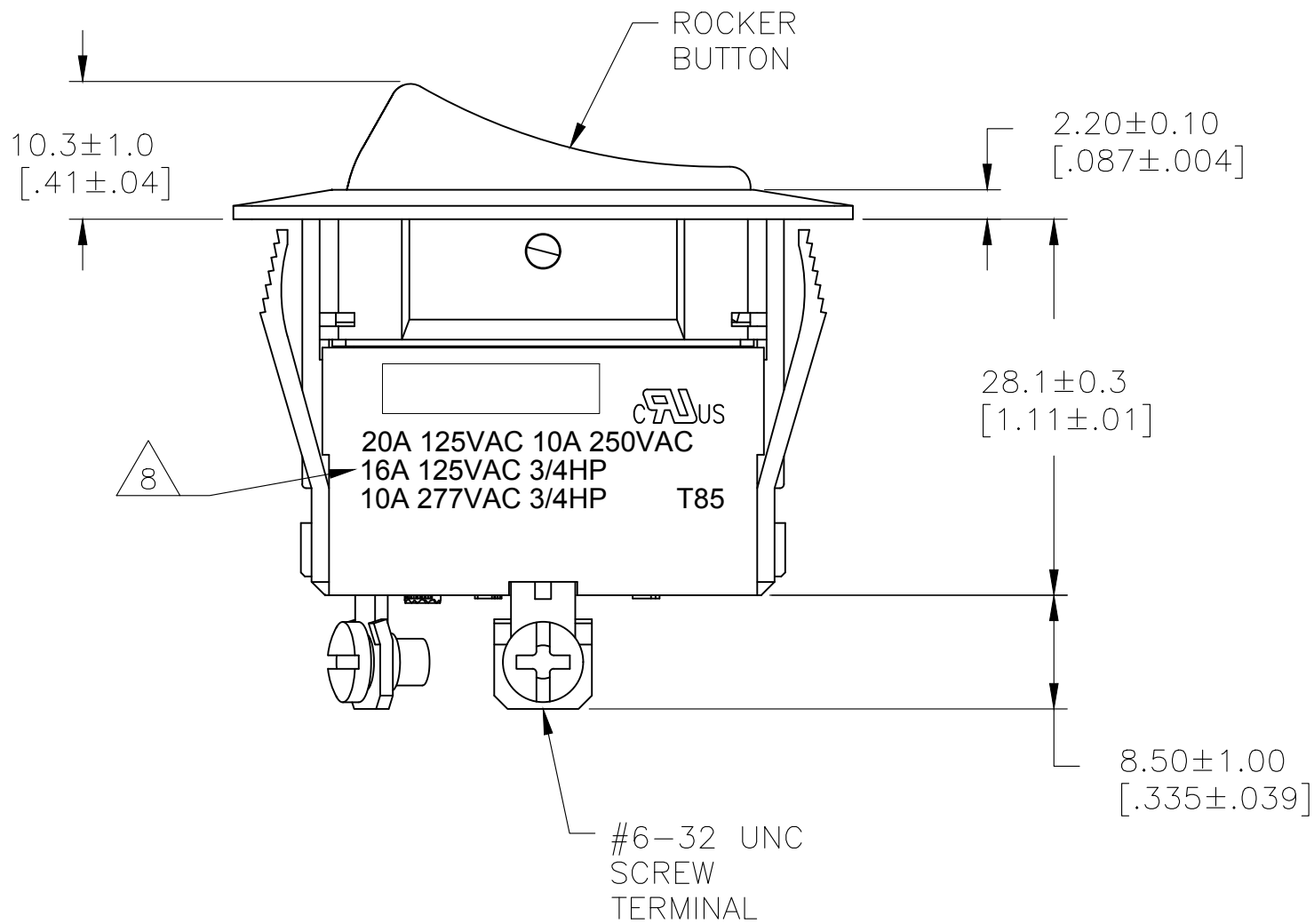
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—



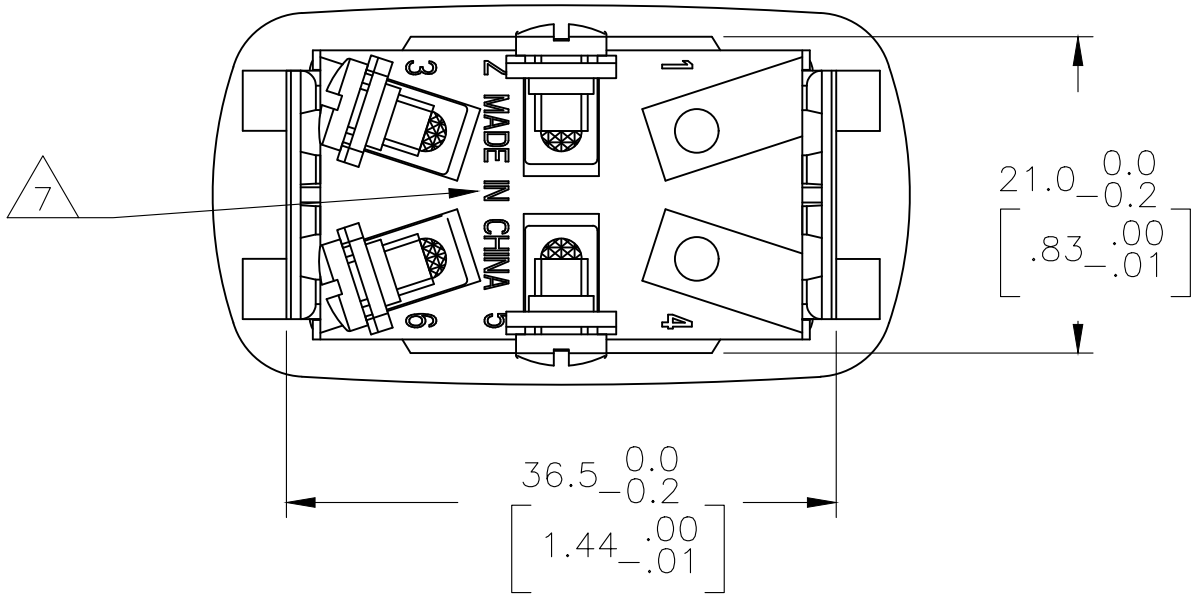
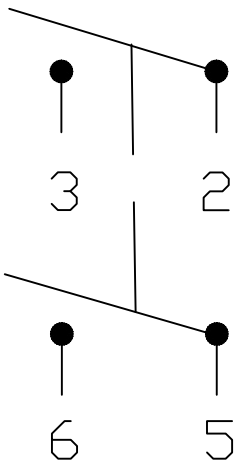
PANEL CUT OUT



2.00–3.00 [.079–.118]	21.2±0.1 [.835+.004]	37.0±0.2 [1.457+.008]
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.075–1.25 [.030–.049]	21.2±0.1 [.835+.004]	36.6±0.2 [1.441+.008]
PANEL THICKNESS	Y	X



SWITCH FUNCTION A1
CIRCUIT DIAGRAM



OBSOLETE —1571102—9—
SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 25FEB2002	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK D.ROHDE 16NOV05			
		APVD D.ROHDE 16NOV05	NAME POWER ROCKER SWITCH, 21.2mm X 36.6mm MIN PANEL SIZE DPST, NON-ILLUMINATED		
		PRODUCT SPEC	SIZE A2		
MATERIAL 1		APPLICATION SPEC	CAGE CODE 00779		
		WEIGHT —	DRAWING NO C-1571102		
FINISH 2		CUSTOMER DRAWING		SCALE 2:1	SHEET 3 of 4
				REV D1	

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

1

MATERIALS:
ROCKER BUTTON, FRAME & HOUSING: NYLON 66, UL 94 V-2.
PLUNGER: PHENOLIC
SEAL: SILICONE RUBBER
SCREW TERMINAL, ACTIVE CONTACTOR, CONTACTOR SUPPORT: COPPER ALLOY PER ASTM B152
QC & SOLDER TERMINAL: COPPER ALLOY PER ASTM B036
SPRING: STEEL WIRE
CONTACTS: SILVER-TIN OXIDE

2

FINISH:
CONTACTOR SUPPORT, ACTIVE CONTACTOR: 1.01µm [.000040] MIN SILVER
QC TERMINAL: 1.27µm [.000050] MIN NICKEL
SOLDER TERMINAL: 1.27µm [.000050] MIN TIN

3

ELECTRICAL SPECIFICATIONS:
CURRENT AND VOLTAGE:

6

CONTACT RESISTANCE (INITIAL): <50mΩ
DIELECTRIC STRENGTH (INITIAL): >1000 VAC, 1 MINUTE
INSULATION RESISTANCE (INITIAL): >100MΩ MIN (500VDC BETWEEN OPEN CONTACTS)
ELECTRICAL LIFE ENDURANCE: >6000 OPERATIONS, VOLTAGE DROP: <100mV
TEMPERATURE RISE AT TERMINALS: <30°C, 6000 OPERATIONS
(AMBIENT CONDITIONS: 25±2°C AND 65±5%R.H)

4

MECHANICAL SPECIFICATIONS:
ACTUATING FORCE: 1100g MIN, 1900g MAX
OPERATING LIFE ENDURANCE: >100,000 OPERATIONS
TERMINAL RETENTION FORCE: >9kg- SOLDER LUG
>9kg- QC TAB
>6.8kg- #6-32 UNC SCREW TERMINAL

5

ENVIRONMENTAL SPECIFICATIONS:
AMBIENT TEMPERATURE: -20°C TO +85°C
DEGREE OF PROTECTION: IP66

6

20A 125VAC, 10A 250VAC/16A 125VAC, 3/4HP/ 10A 277VAC, 3/4HP

7

COUNTRY OF ORIGIN AND TERMINAL IDENTIFICATION NUMBERS
MOLDED APPROXIMATELY AS SHOWN ON THE SWITCH HOUSING.

8

ELECTRICAL RATINGS, APPROVED AGENCY LOGOS AND THE TE CONNECTIVITY LOGO LASER MARKED APPROXIMATELY AS SHOWN ON THE SWITCH HOUSING.

9

COMPONENT RECOGNIZED TO US & CANADIAN STANDARDS, UL FILE NO. E46765.

10

ROHS 2002/95/EC COMPLIANT

ALCOSWITCH PART NUMBER

X₁X₂

X₃

X₄

X₅X₆

X₇X₈

X₉

X₁₀X₁₁

X₁₂

X₁₃

X₁₄

SWITCH TYPE: X₁X₂ = PR - POWER ROCKER

SECONDARY ROCKER COLOR: X₁₂ = Ø - NOT APPLICABLE

PANEL CUT OUT SIZE: X₃ = C - 21.2x36.6 MIN
[.835x1.441]

NUMBER OF POLES: X₄ = D - DOUBLE

SWITCH FUNCTION: X₅X₆ = A1-ON-OFF, WITH OPAQUE, SINGLE-COLOR
ROCKER BUTTON.

CURRENT RATING: X₇X₈ = 20 -

6

TERMINAL TYPE: X₉ = F - QC TAB
L - SOLDER LUG
S - #6-32 UNC SCREW

FRAME COLOR: X₁₀ = B - BLACK
W - WHITE

ROCKER COLOR: X₁₁ = B - BLACK
G - GREEN
R - RED
W - WHITE
Y - YELLOW

LEGEND TEXT PATTERN: X₁₃ =

Ø

A

B

C

LEGEND TEXT COLOR: X₁₄ = Ø - NOT APPLICABLE
G - GREEN
R - RED
B - BLACK
W - WHITE

OBSOLETE	3	PRCDA1-20S-BB0CW	1-1571102-1
	3	PRCDA1-20S-BB0BW	1-1571102-0
	3	PRCDA1-20S-BB000	1571102-9
	2	PRCDA1-20L-BR000	1571102-8
	1	PRCDA1-20F-BR000	1571102-7
	2	PRCDA1-20L-BB0CW	1571102-6
	2	PRCDA1-20L-BB0BW	1571102-5
OBSOLETE	2	PRCDA1-20L-BB000	1571102-4
	1	PRCDA1-20F-BB0CW	1571102-3
	1	PRCDA1-20F-BB0BW	1571102-2
OBSOLETE	1	PRCDA1-20F-BB000	1571102-1
	SHEET REF	ALCOSWITCH PART NUMBER	TE PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 25FEB2002	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK D.ROHDE 16NOV05		
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME POWER ROCKER SWITCH, 21.2mm X 36.6mm MIN PANEL SIZE DPST, NON-ILLUMINATED	
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		APVD D.ROHDE 16NOV05	
	MATERIAL 1		PRODUCT SPEC — APPLICATION SPEC — WEIGHT —	
FINISH 2		SIZE A2		CAGE CODE 00779
		DRAWING NO C-1571102		RESTRICTED TO —
		CUSTOMER DRAWING		SCALE 2:1
		SHEET 4 of 4		REV D1

1471-9 (1/15)

1571102

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[PRCDA1-20S-BB0CW](#)