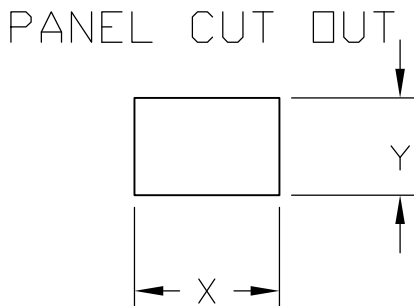
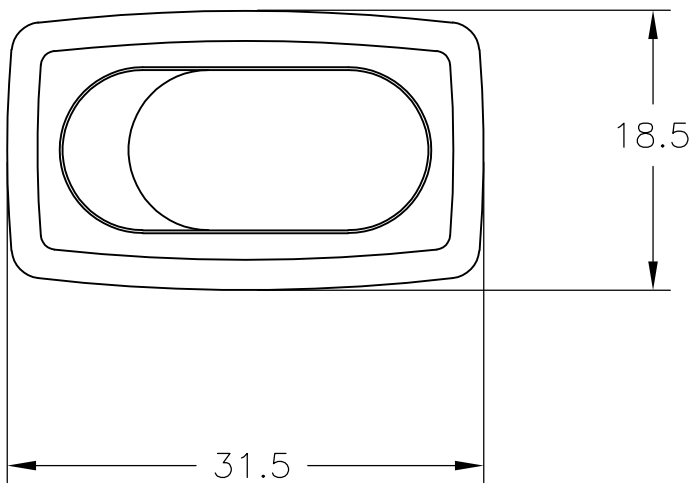
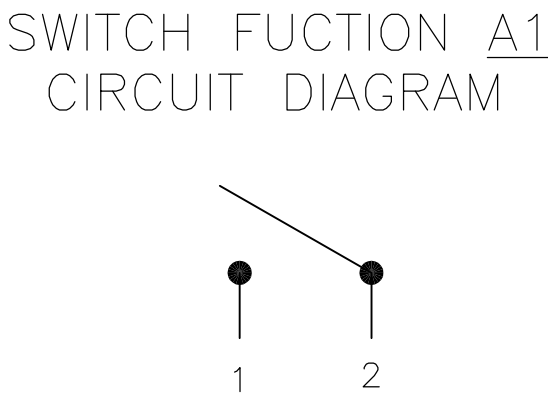
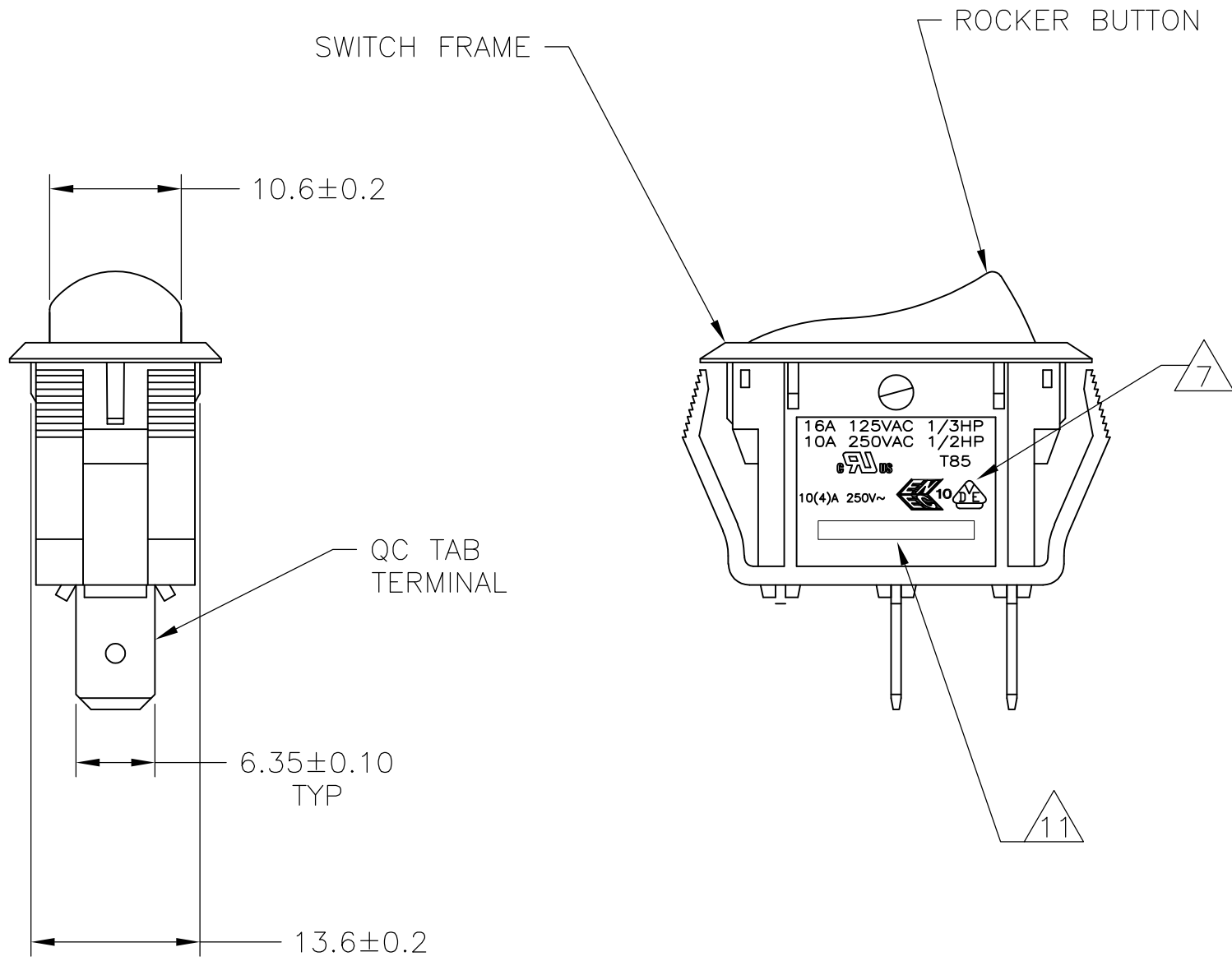
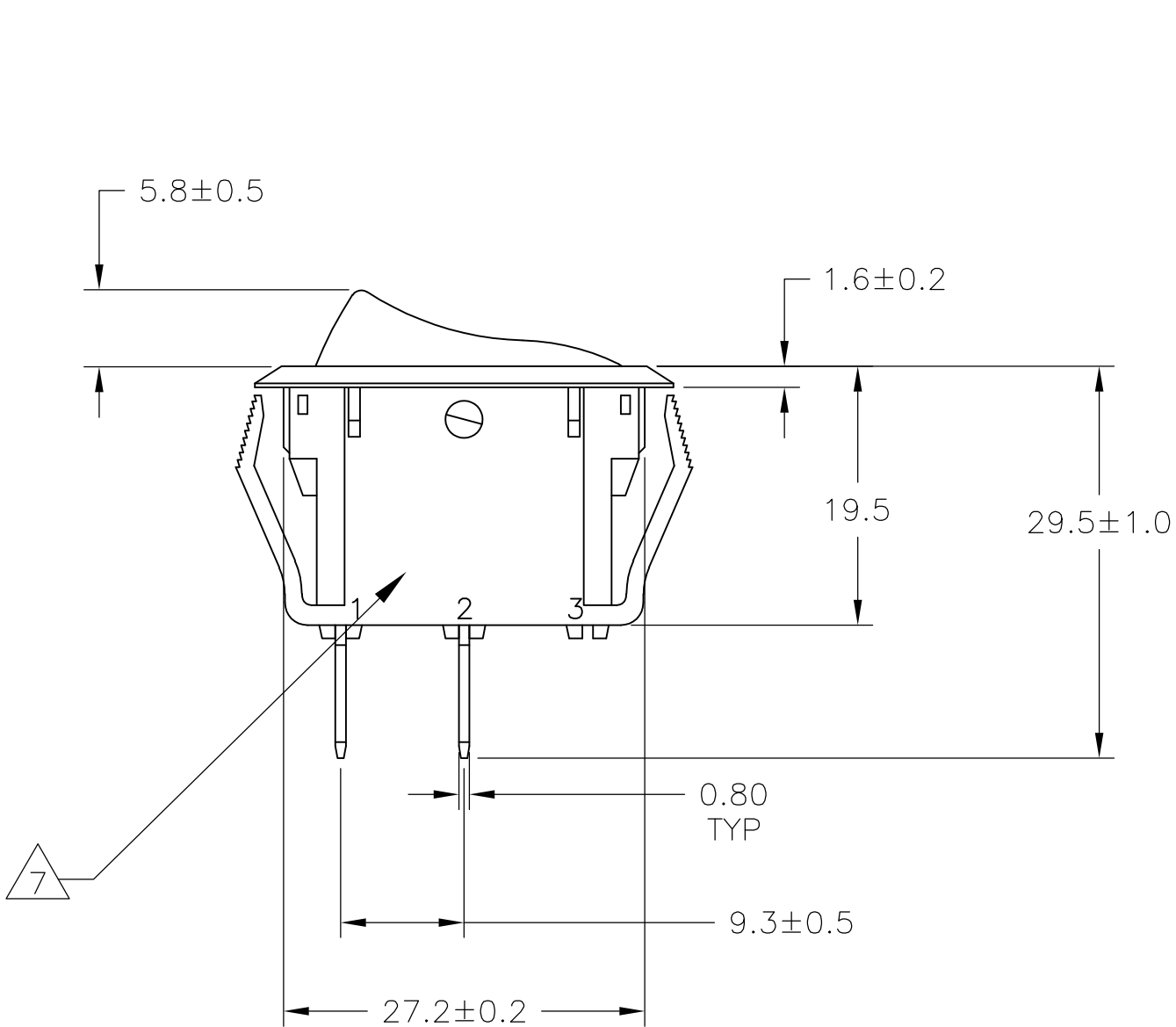


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
AD	00		F2	REVISED PER ECO-11-004917	11MAR11	RK	HMR



4.00-5.00	28.0-0.1	13.8+0.1
3.00-4.00	27.8-0.1	13.8+0.1
0.75-3.00	27.6-0.1	13.8+0.1
PANEL THICKNESS	X	Y



1571091-1 SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
BSV

CHK
J.MOSIER

APVD
JP

PRODUCT SPEC
—

APPLICATION SPEC
—

WEIGHT
—

CUSTOMER DRAWING

01APR04

DIMENSIONS:
mm

MATERIAL
1

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± 0.30
2 PLC ± 0.05
3 PLC ± -
4 PLC ± -
ANGLES ± -

FINISH
2

TE Connectivity

NAME
POWER ROCKER SWITCH, 13.8mm X 27.6mm
PANEL CUT-OUT SIZE, SINGLE POLE, SINGLE
THROW, TWO TERMINALS, NON-ILLUMINATED

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1571091

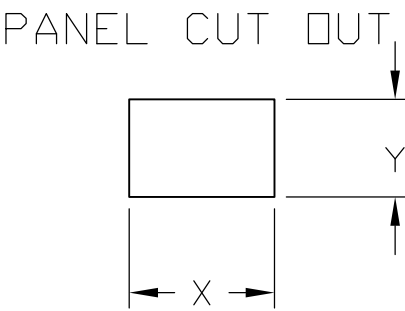
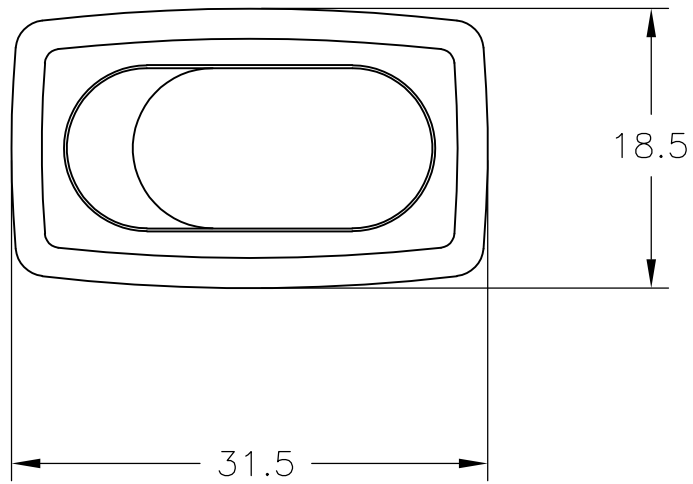
RESTRICTED TO
—

SCALE
2:1

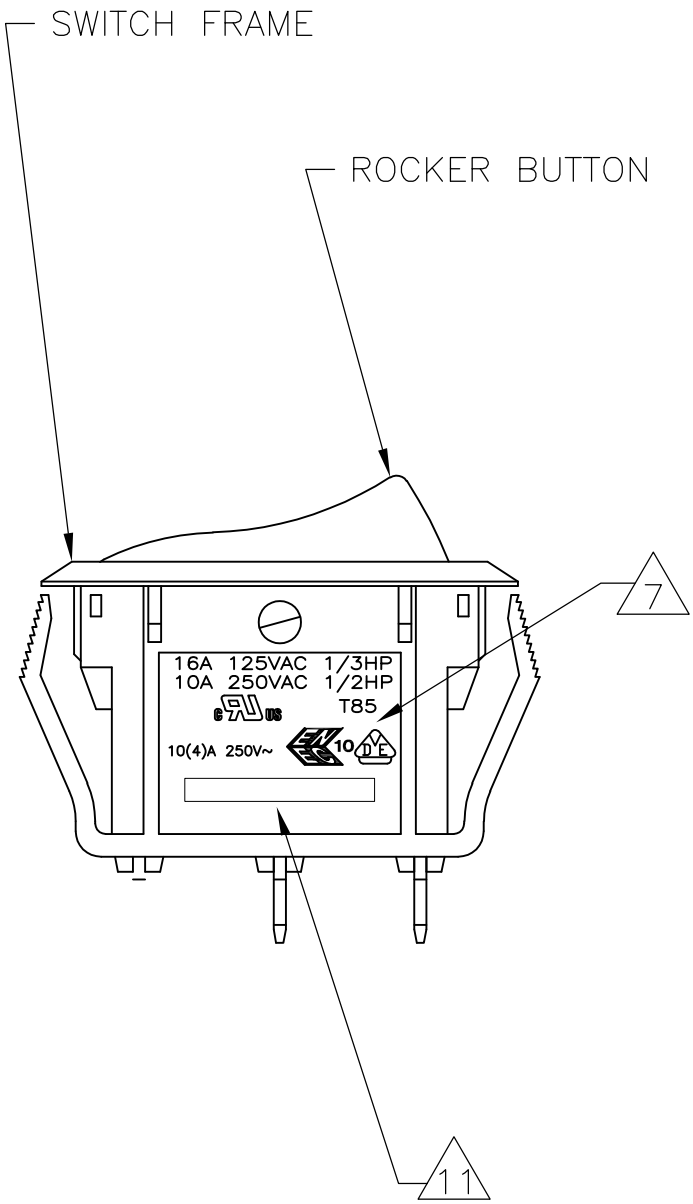
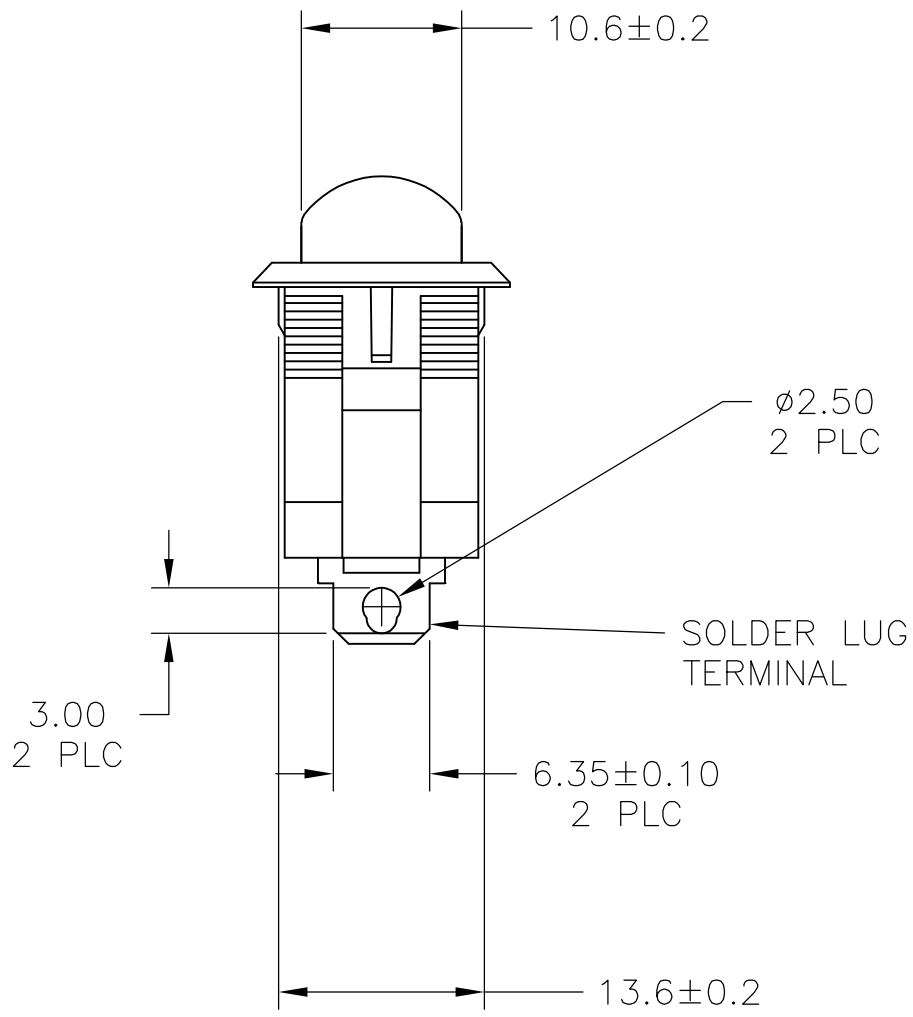
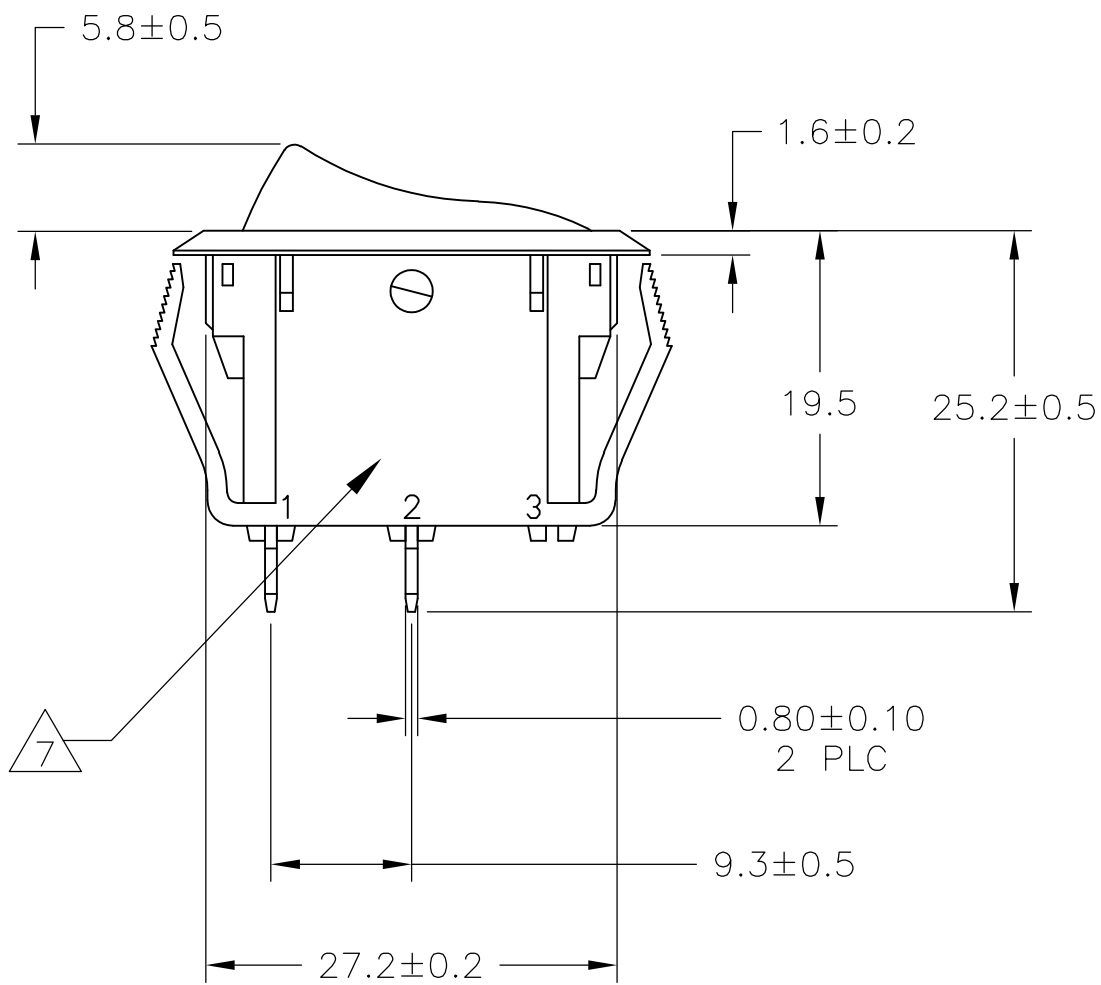
SHEET
1 of 3

REV
F2

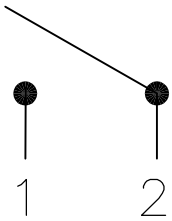
LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
AD	00	-	-	SEE SHEET 1	-	-



4.00-5.00	28.0-0.1	13.8+0.1
3.00-4.00	27.8-0.1	13.8+0.1
0.75-3.00	27.6-0.1	13.8+0.1
PANEL THICKNESS	X	Y



SWITCH FUCTION A1
CIRCUIT DIAGRAM



1571091-4 SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BSV	01APR04	TE Connectivity		
DIMENSIONS: mm		CHK J.MOSIER	-			
	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD JP	-	NAME POWER ROCKER SWITCH, 13.8mm X 27.6mm		
		PRODUCT SPEC	-	PANEL CUT-OUT SIZE, SINGLE POLE, SINGLE		
		APPLICATION SPEC	-	THROW, TWO TERMINALS, NON-ILLUMINATED		
MATERIAL 1	FINISH 2	WEIGHT -	-	SIZE A2	CAGE CODE 00779	DRAWING NO C=1571091
CUSTOMER DRAWING				SCALE 2:1	SHEET 2 OF 3	REV F2

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RELEASED FOR PUBLICATION

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LOCAD

DIST00

REVISIONS

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

LEGACY PART NUMBER

X₁X₂

X₃

X₄

X₅X₆

—

X₇X₈

X₉

—

X₁₀

X₁₁

X₁₂

X₁₃

X₁₄

SWITCH TYPE: X₁X₂ = PR - POWER ROCKER

SECONDARY ROCKER COLOR: X₁₂ = Ø - NOT APPLICABLE

NOMINAL PANEL CUT OUT SIZE: X₃ = B - 13.8x27.6

NUMBER OF POLES: X₄ = S - SINGLE

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

LEGEND TEXT PATTERN: X₁₃ =

Ø

A

B

C

H

CURRENT RATING: X₇X₈ = 16 -

6

LEGEND TEXT COLOR: X₁₄ = Ø - NOT APPLICABLE

G

R

B

W

TERMINAL TYPE: X₉ = F - QC TAB

L

FRAME COLOR: X₁₀ = B - BLACK

W

ROCKER COLOR: X₁₁ = B - BLACK

G

R

W

1

MATERIALS:

ROCKER BUTTON & HOUSING: NYLON 66, UL 94 V-2.

TERMINAL, ACTIVE CONTACTOR: COPPER ALLOY PER ASTM B152/B152M

PLUNGER: COPPER ALLOY PER ASTM B036

SPRING: STEEL WIRE PER ASTM A228/A228M

CONTACT: SILVER-TIN OXIDE

2

FINISH:

ACTIVE CONTACTOR & TERMINALS: 1.0µm MIN SILVER

PLUNGER: 3.0µm MIN NICKEL

3

ELECTRICAL SPECIFICATIONS:

CURRENT & VOLTAGE

CONTACT RESISTANCE (INITIAL): <50mΩ

DIELECTRIC STRENGTH (INITIAL): >1000 VAC, 1 MINUTE

INSULATION RESISTANCE (INITIAL): >100MΩ MIN (500VDC BETWEEN OPEN CONTACTS)

INRUSH CURRENT: 50A / 3msec (CAPACITIVE LOAD)

ELECTRICAL LIFE ENDURANCE: >6000 OPERATIONS,

TEMPERATURE RISE AT TERMINALS: <30°C, 6000 OPERATIONS

(AMBIENT CONDITIONS: 25±2°C AND 65±5%R.H)

4

MECHANICAL SPECIFICATIONS:

ACTUATING FORCE: 300g MIN, 700g MAX

OPERATING LIFE ENDURANCE: >100,000 OPERATIONS

TERMINAL STRENGTH : >2.5kg- SOLDER LUG

>10.0kg- QC TAB

5

ENVIRONMENTAL SPECIFICATIONS:

AMBIENT TEMPERATURE: -20°C TO +85°C

HUMIDITY: MAX 85%

SALT SPRAY: NO REMAKABLE RUST IN METAL PARTS. (5%SALT / 35°C 24HRS)

SHOCK: NO MECHANICAL DEFECT OR DAMAGE. (100g / 10MSEC/ X,Y,Z 3 TIMES)

VIBRATION: NO MECHANICAL DEFECT OR DAMAGE. (10-55Hz /1.5mm/ X,Y,Z 2HRS)

6

UL: 16A@125VAC 1/3HP / 10A@250VAC 1/2HP

ENEC: 10(4)A 250V~

7

ELECTRICAL RATINGS, APPROVED AGENCY LOGOS, TERMINAL IDENTIFICATION NUMBERS, MOLDED APPROXIMATELY AS SHOWN ON THE SIDES OF THE SWITCH HOUSING.

8

COMPONENT-RECOGNIZED TO US & CANADIAN STANDARDS

UL FILE NO. E46765

9

COMPONENT-RECOGNIZED TO EUROPEAN STANDARDS

(ENEC & VDE) MARKS LICENSE NO 40020315

10

ROHS 2002/95/EC COMPLIANT

11

TE CONNECTIVITY LOGO LOCATED APPROXIMATELY AS SHOWN

1	PRBSA1-16F-BR0HW	6-1571091-0
2	PRBSA1-16L-BR000	5-1571091-8
1	PRBSA1-16F-BR000	5-1571091-7
1	PRBSA1-16F-BW0HB	1-1571091-2
1	PRBSA1-16F-BW000	1-1571091-1
1	PRBSA1-16F-BB0HW	1571091-9
2	PRBSA1-16L-BB0CW	1571091-6
2	PRBSA1-16L-BB0BW	1571091-5
2	PRBSA1-16L-BB000	1571091-4
1	PRBSA1-16F-BB0CW	1571091-3
1	PRBSA1-16F-BB0BW	1571091-2
1	PRBSA1-16F-BB000	1571091-1
SHEET REF.	LEGACY PART NUMBER	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± 0.30

2 PLC ± 0.05

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH

MATERIAL

-

DWNBSV

CHKJ.MOSIER

APVDP

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

01APR04

NAME

SIZEA2

CAGE CODE00779

DRAWING NO

RESTRICTED TO

TE Connectivity

POWER ROCKER SWITCH, 13.8mm X 27.6mm

PANEL CUT-OUT SIZE, SINGLE POLE, SINGLE

THROW, TWO TERMINALS, NON-ILLUMINATED

SCALE1:1

SHEET3 of 3

REV F2

1471-9

(3/11)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[PRBSA1-16F-BB000](#) [PRBSA1-16F-BB0HW](#)