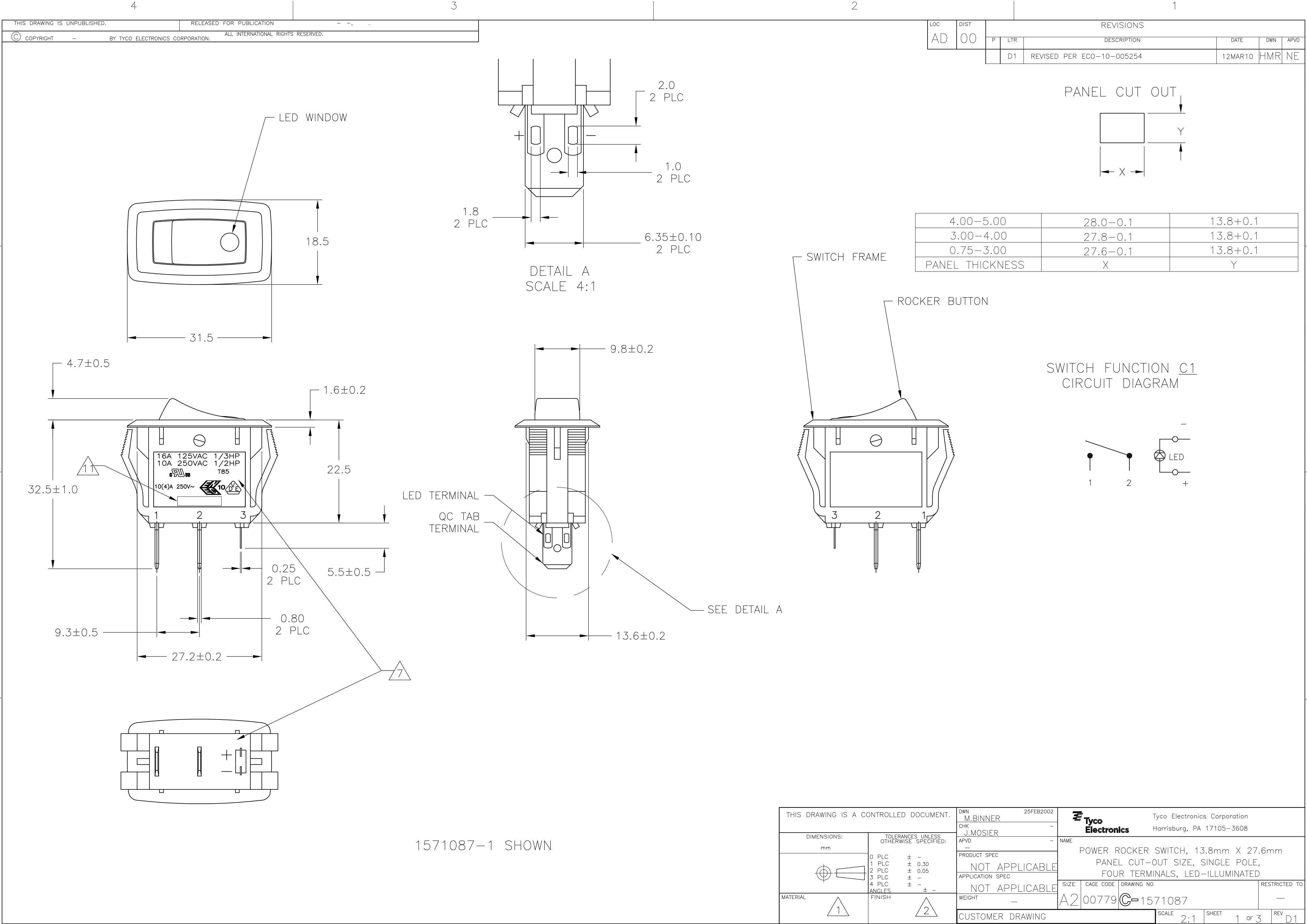




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LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			D1	REVISED PER ECO-10-005254	12MAR10	HMR	NE

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER	25FEB2002	Tyco Electronics Corporation Harrisburg, PA 17105-3608		
DIMENSIONS: mm		CHK J.MOSIER	-	NAME POWER ROCKER SWITCH, 13.8mm X 27.6mm PANEL CUT-OUT SIZE, SINGLE POLE, FOUR TERMINALS, LED-ILLUMINATED		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD -	-	SIZE A2		
0 PLC ± -		PRODUCT SPEC	NOT APPLICABLE	CAGE CODE 00779		
1 PLC ± 0.30		APPLICATION SPEC	NOT APPLICABLE	DRAWING NO C=1571087		
2 PLC ± 0.05		WEIGHT	-	RESTRICTED TO -		
3 PLC ± -		CUSTOMER DRAWING	SCALE 2:1	SHEET 1 OF 3		
4 PLC ± -				REV D1		
ANGLES ± -						
FINISH						

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

D

C

B

A

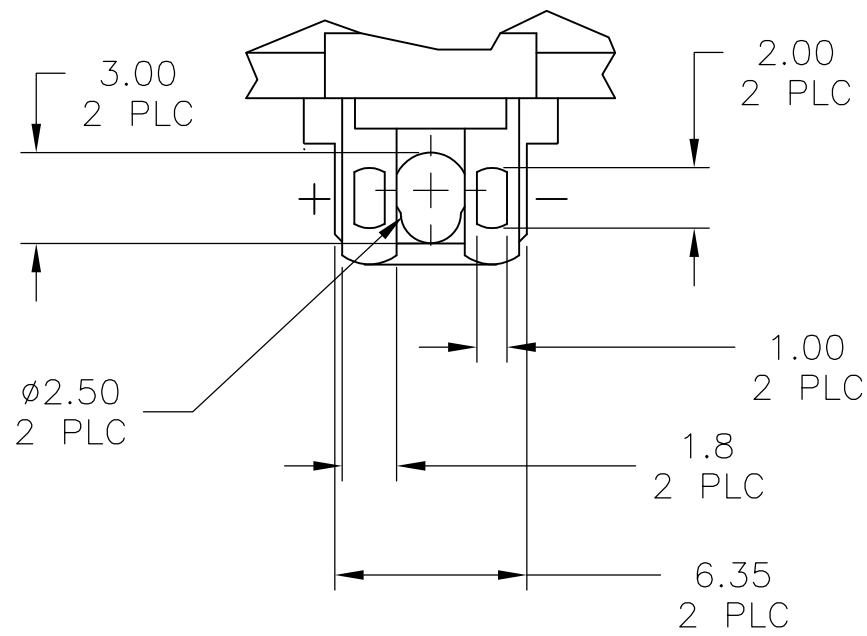
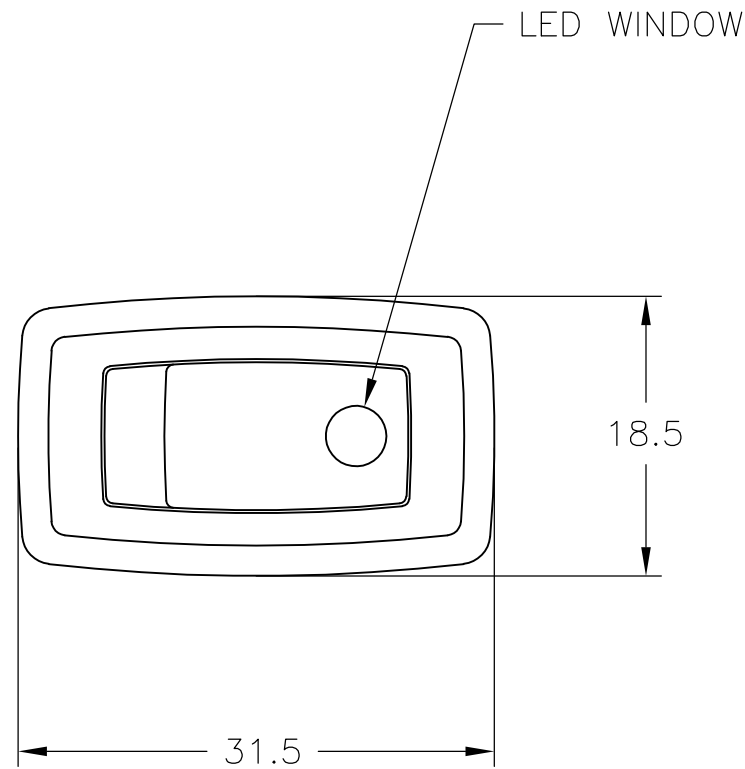
D

C

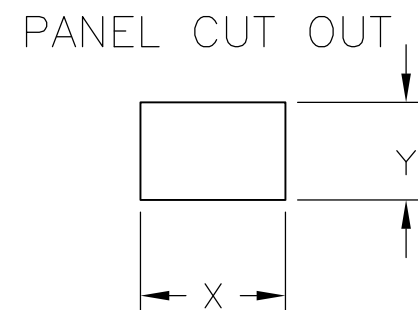
B

A

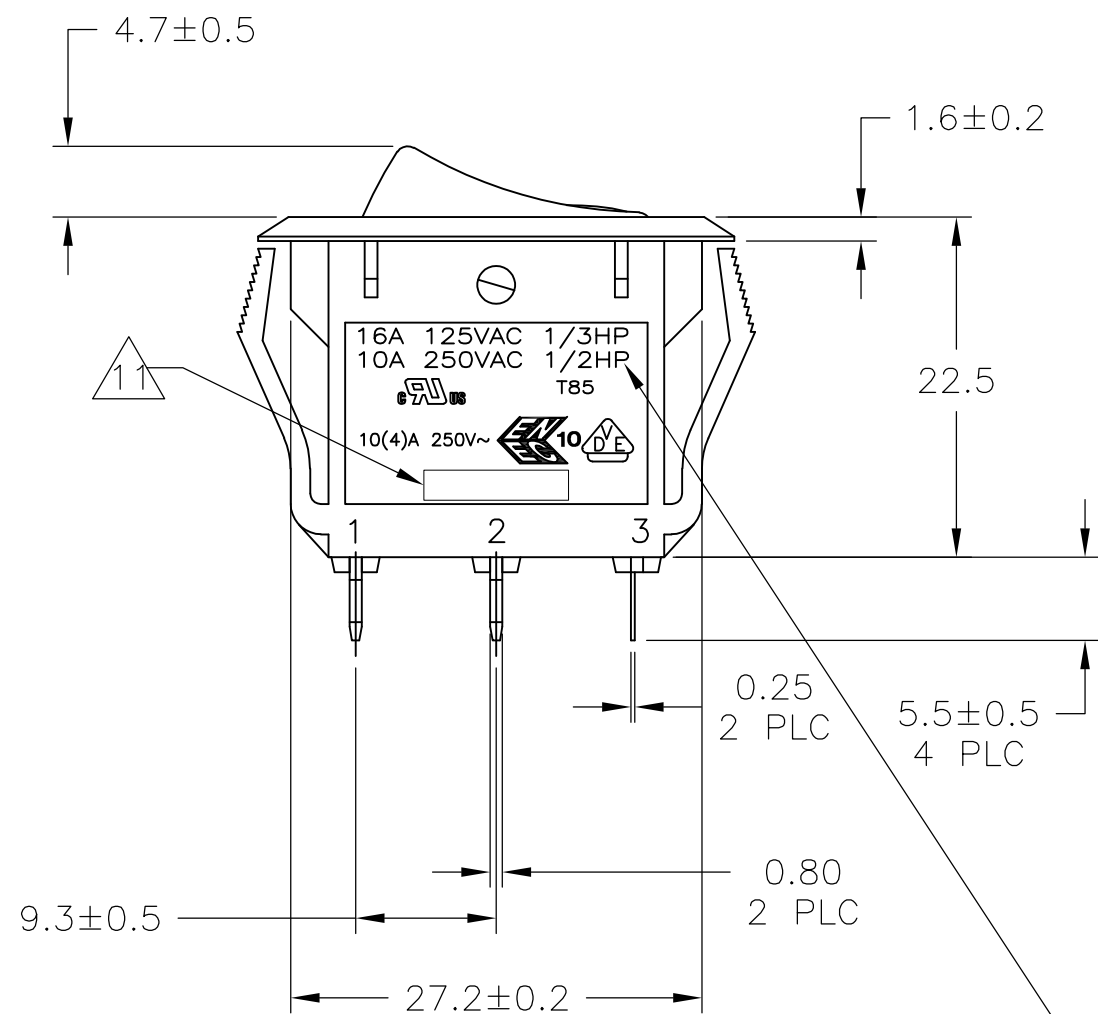
1571087



DETAIL A
SCALE 4:1



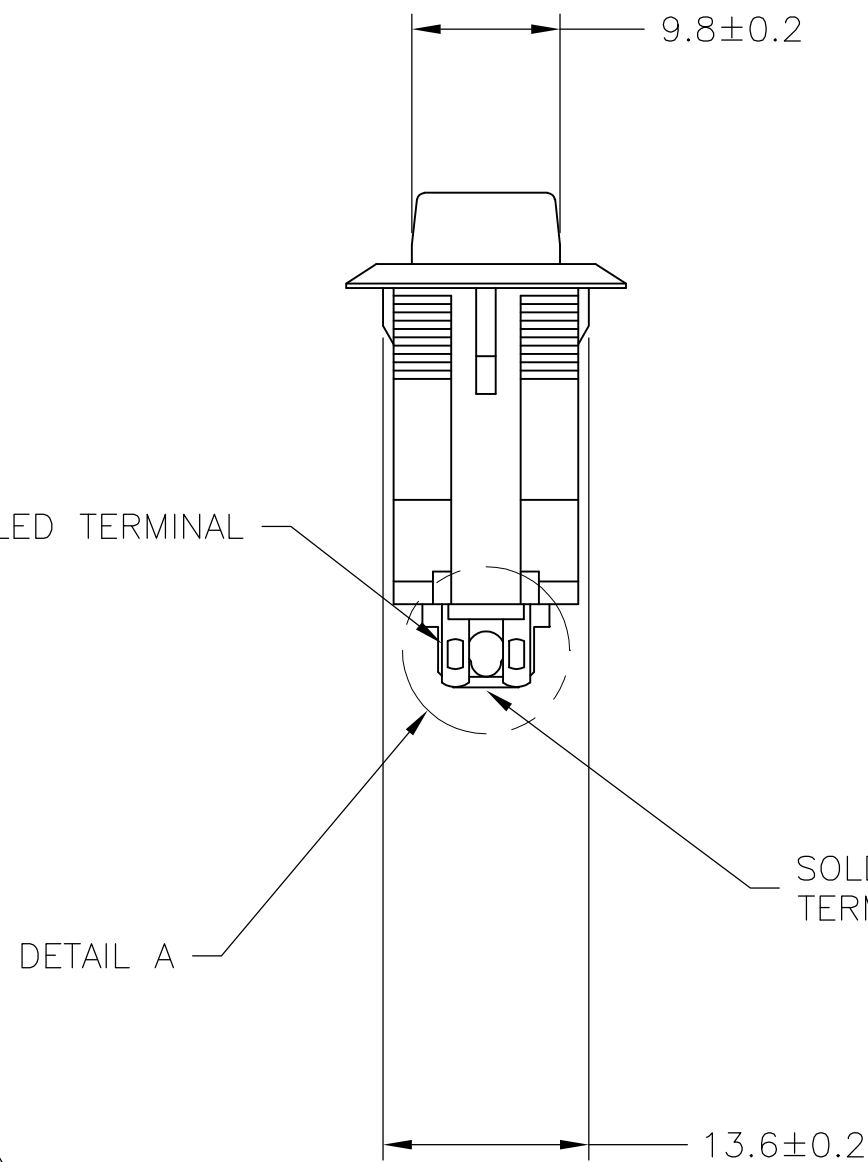
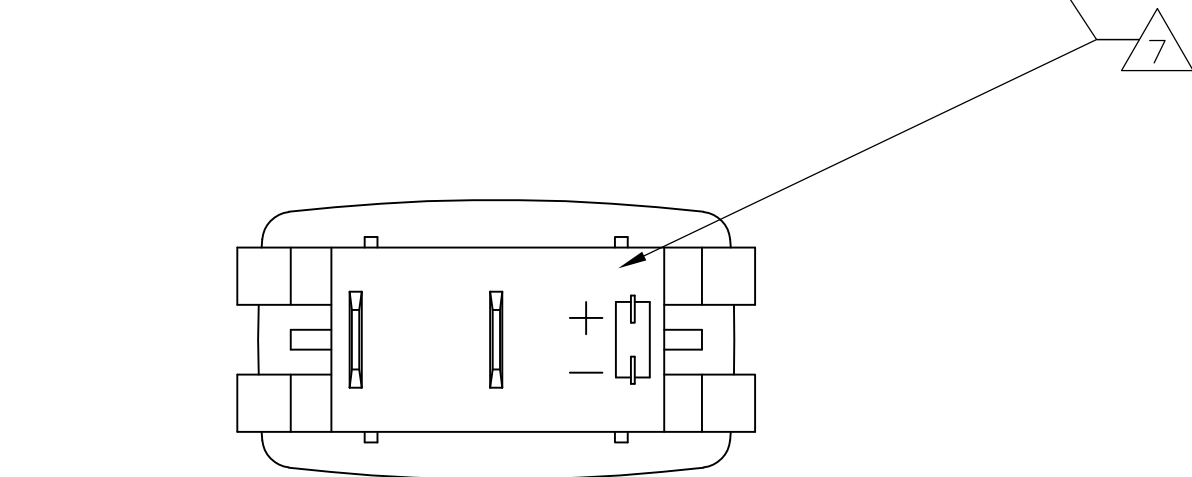
4.00–5.00	28.0–0.1	13.8+0.1
3.00–4.00	27.8–0.1	13.8+0.1
0.75–3.00	27.6–0.1	13.8+0.1
PANEL THICKNESS	X	Y



LED TERMINAL

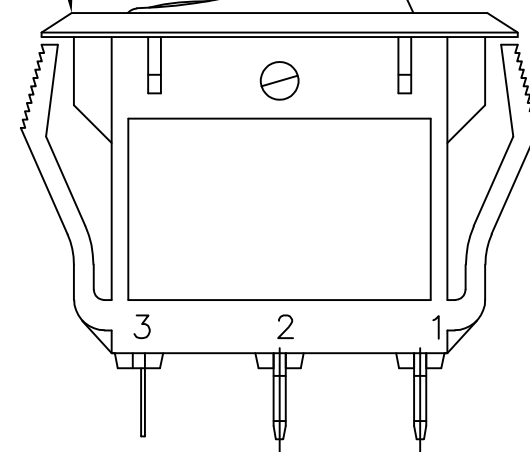
SEE DETAIL A

SOLDER LUG
TERMINAL

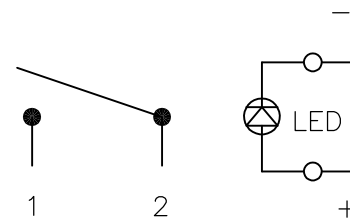


SWITCH FRAME

ROCKER BUTTON



SWITCH FUNCTION C1
CIRCUIT DIAGRAM



1571087-2 SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER 25FEB2002	Tyco Electronics Corporation Harrisburg, PA 17105-3608			
DIMENSIONS: mm		CHK J.MOSIER	NAME			
		APVD -	PRODUCT SPEC			
		NOT APPLICABLE				
		APPLICATION SPEC				
		NOT APPLICABLE				
MATERIAL	FINISH	WEIGHT -	SIZE A2	CAGE CODE 00779	DRAWING NO C=1571087	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 2:1	SHEET 2 OF 3	REV D1	

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LOC

DIST

REVISIONS

AD

00

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

LEGACY PART NUMBER

X₁X₂

X₃

X₄

X₅X₆

—

X₇X₈

X₉

—

X₁₀

X₁₁

X₁₂

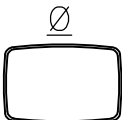
X₁₃

X₁₄

SWITCH TYPE: X₁X₂ = PR — POWER ROCKER

SECONDARY ROCKER COLOR (LED COLOR): X₁₂ = A — AMBER
G — GREEN
R — RED

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

LEGEND TEXT PATTERN: X₁₃ = 

NUMBER OF POLES: X₄ = S — SINGLE

LEGEND TEXT COLOR: X₁₄ = Ø — NOT APPLICABLE

SWITCH FUNCTION: X₅X₆ = C1 — ON-OFF, SINGLE-COLOR ROCKER
BUTTON WITH LED WINDOW.

CURRENT RATING: X₇X₈ = 16 — 

ROCKER COLOR: X₁₁ = B — BLACK
G — GREEN
R — RED
W — WHITE

TERMINAL TYPE: X₉ = F — QC TAB
L — SOLDER LUG

FRAME COLOR: X₁₀ = B — BLACK
W — WHITE

1

MATERIALS:
ROCKER BUTTON & HOUSING: NYLON 66, UL 94 V-2.
LED WINDOW: POLYCARBONATE, UL 94 V-2
TERMINAL, ACTIVE CONTACTOR, COPPER ALLOY PER ASTM B152/B152M
PLUNGER, LED TERMINALS: COPPER ALLOY PER ASTM B036
SPRING: STEEL WIRE PER ASTM A228/A228M
CONTACT: SILVER-TIN OXIDE
LED — RED: FOWARD VOLTAGE 2.0 VDC AT 20mA FORWARD CURRENT
GREEN: FOWARD VOLTAGE 2.2 VDC AT 20mA FORWARD CURRENT
AMBER: FOWARD VOLTAGE 2.1 VDC AT 20mA FORWARD CURRENT

2

FINISH:
TERMINAL, ACTIVE CONTACTOR: 1.0µm MIN SILVER
PLUNGER: 3.0µm MIN NICKEL
LED TERMINALS: 3.0µm MIN TIN

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
ENCE: 10(4) A 250V~

7

ELECTRICAL RATINGS, APPROVED AGENCY LOGOS, TERMINAL
IDENTIFICATION NUMBERS, LED POLARITY SYMBOLS, MOLDED
APPROXIMATELY AS SHOWN ON THE SIDE AND BOTTOM SURFACES
OF THE SWITCH HOUSING.

8

COMPONENT-RECOGNIZED TO US & CANADIAN STANDARDS
UL FILE NO.E4675.

9

COMPONENT-RECOGNIZED TO EUROPEAN STANDARDS (ENEC & VDE)
MARKS LICENSE NO. 40020315

10

ROHS 2002/95/EC COMPLIANT.

11

TYCO ELECTRONICS LOGO LOCATED APPROXIMATELY AS SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm





MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± 0.30

2 PLC ± 0.05

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH

DWN

CHK

APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

25FEB2002

M.BINNER

J.MOSIER

-

NOT APPLICABLE

NOT APPLICABLE

-



Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME

POWER ROCKER SWITCH, 13.8mm X 27.6mm
PANEL CUT-OUT SIZE, SINGLE POLE,
FOUR TERMINALS, LED-ILLUMINATED

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A2

00779

C=1571087

-

SCALE

SHEET

REV

1:1

3 OF 3

D1

1471-9 (1/08)

1571087

Authorized Distribution Brand :



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