

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
AD	00		A	ECO-07-019301	23AUG07	MB	DR

D

D

C

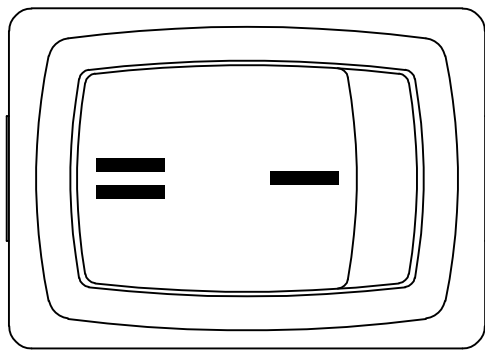
C

B

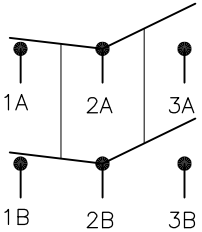
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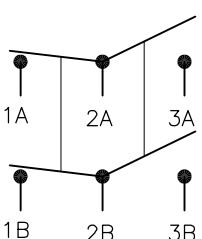
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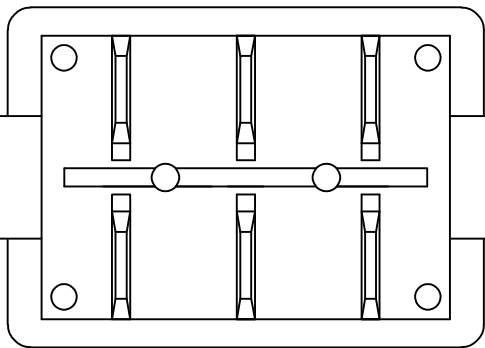
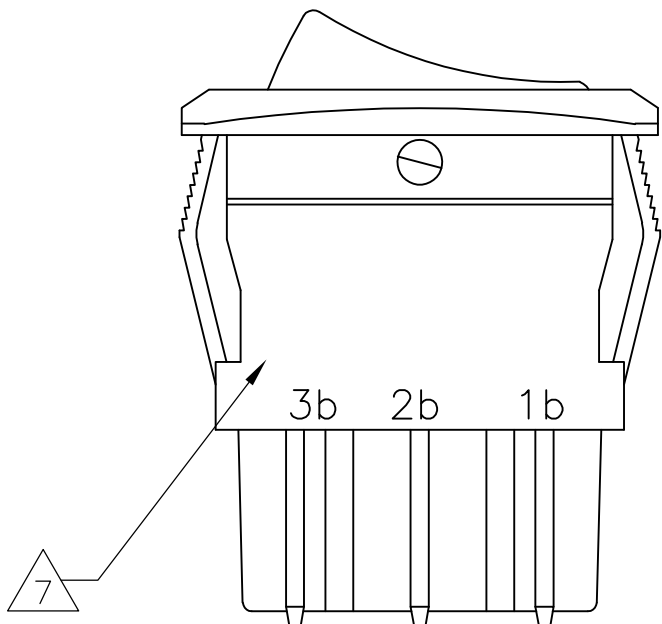
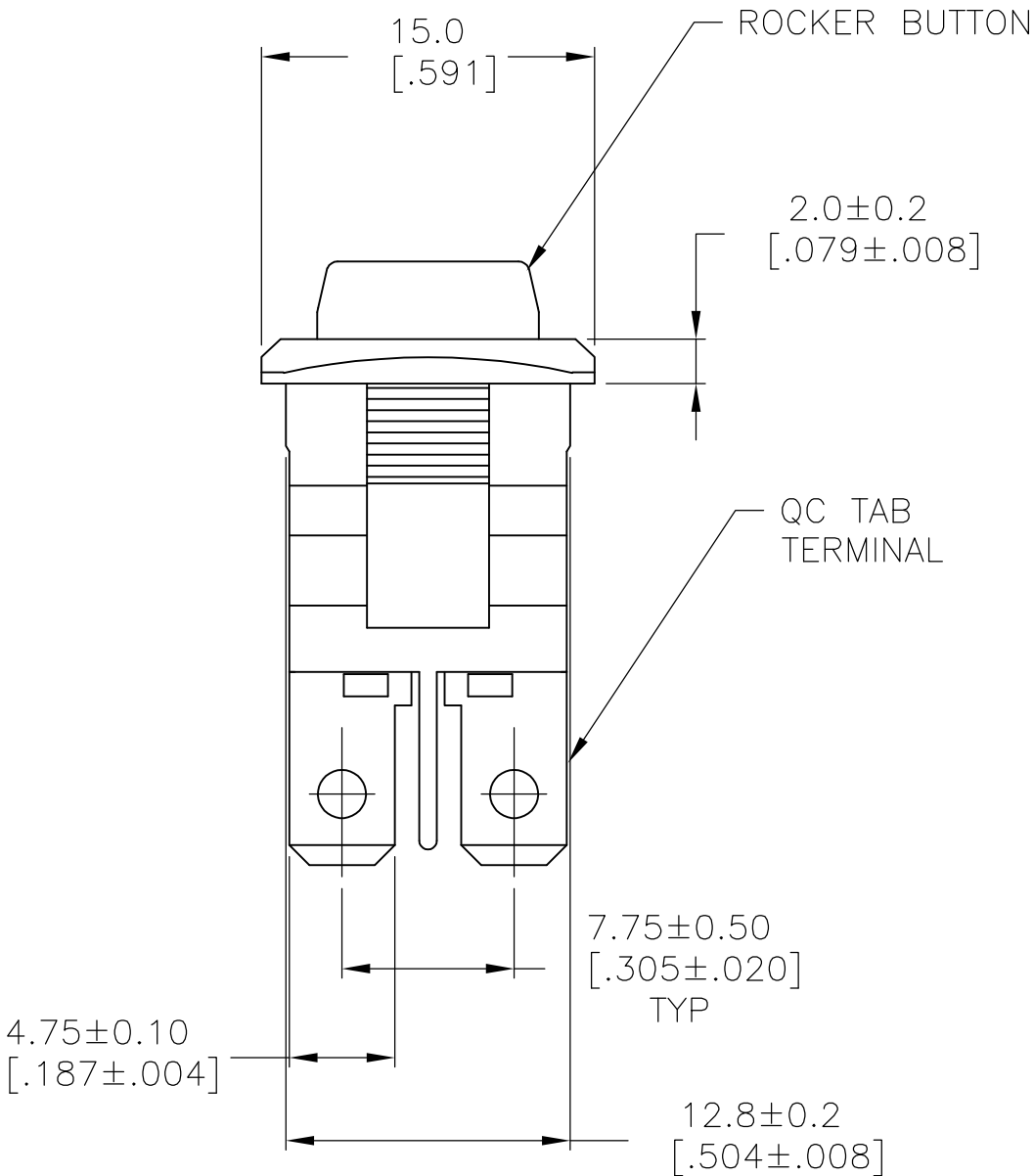
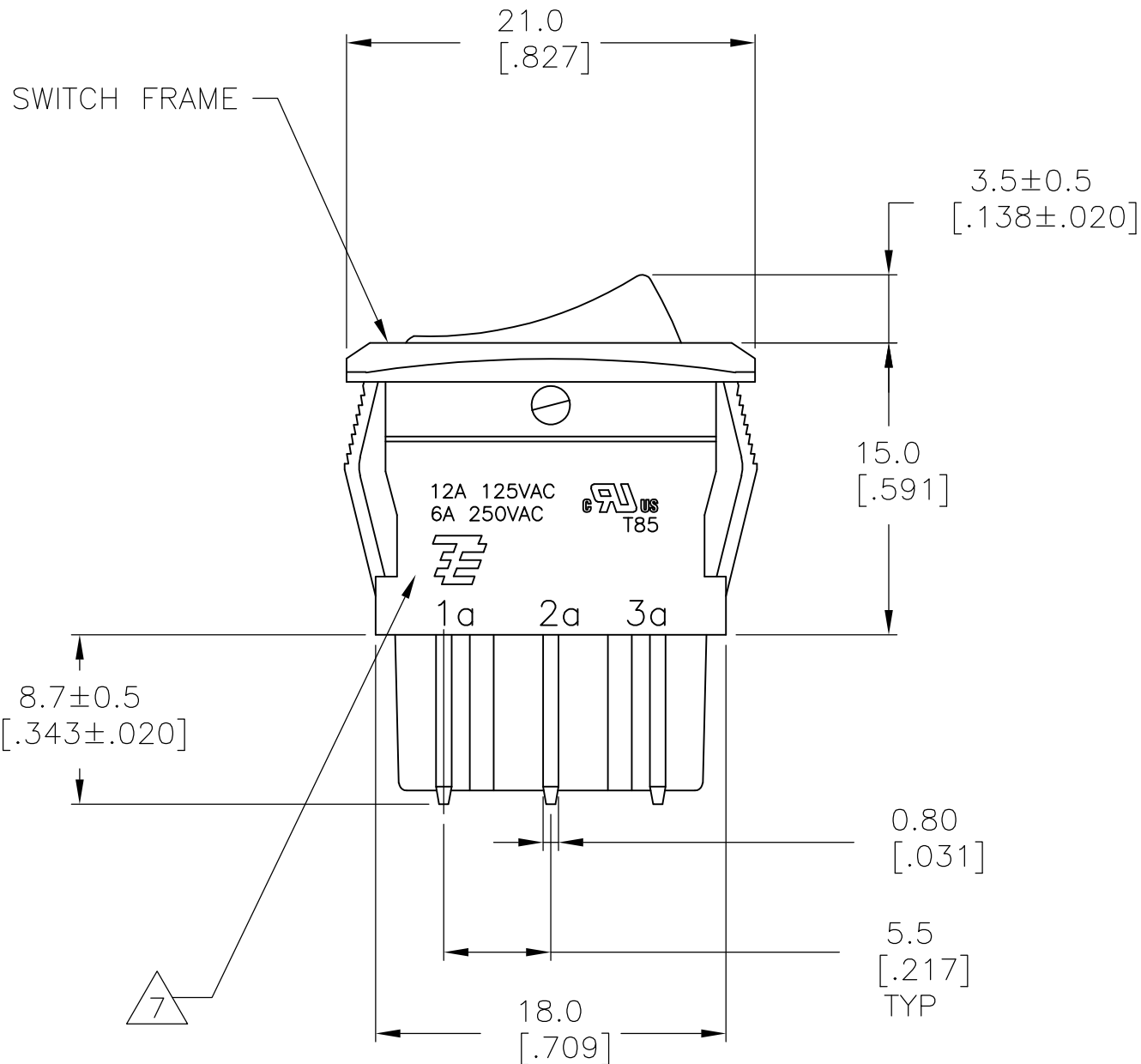
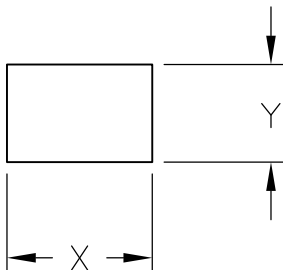
SWITCH FUNCTION D1
CIRCUIT DIAGRAM



SWITCH FUNCTION D2
CIRCUIT DIAGRAM



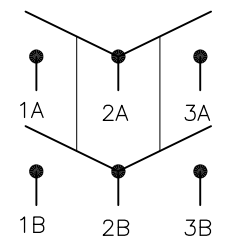
PANEL CUT OUT



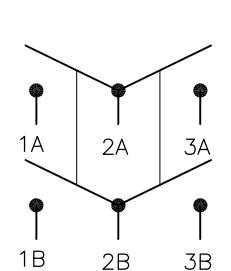
1977069-2 SHOWN

2.00-4.00[.079-.158]	19.8-0.1 [.780-.004]	13.0+0.1 [.512+.004]
1.25-2.00[.049-.079]	19.4-0.1 [.764-.004]	13.0+0.1 [.512+.004]
0.75-1.25[.030-.049]	19.2-0.1 [.756-.004]	13.0+0.1 [.512+.004]
PANEL THICKNESS	X	Y

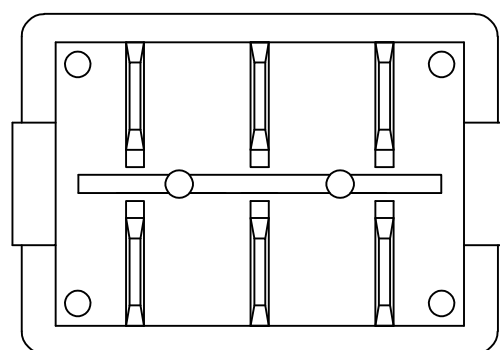
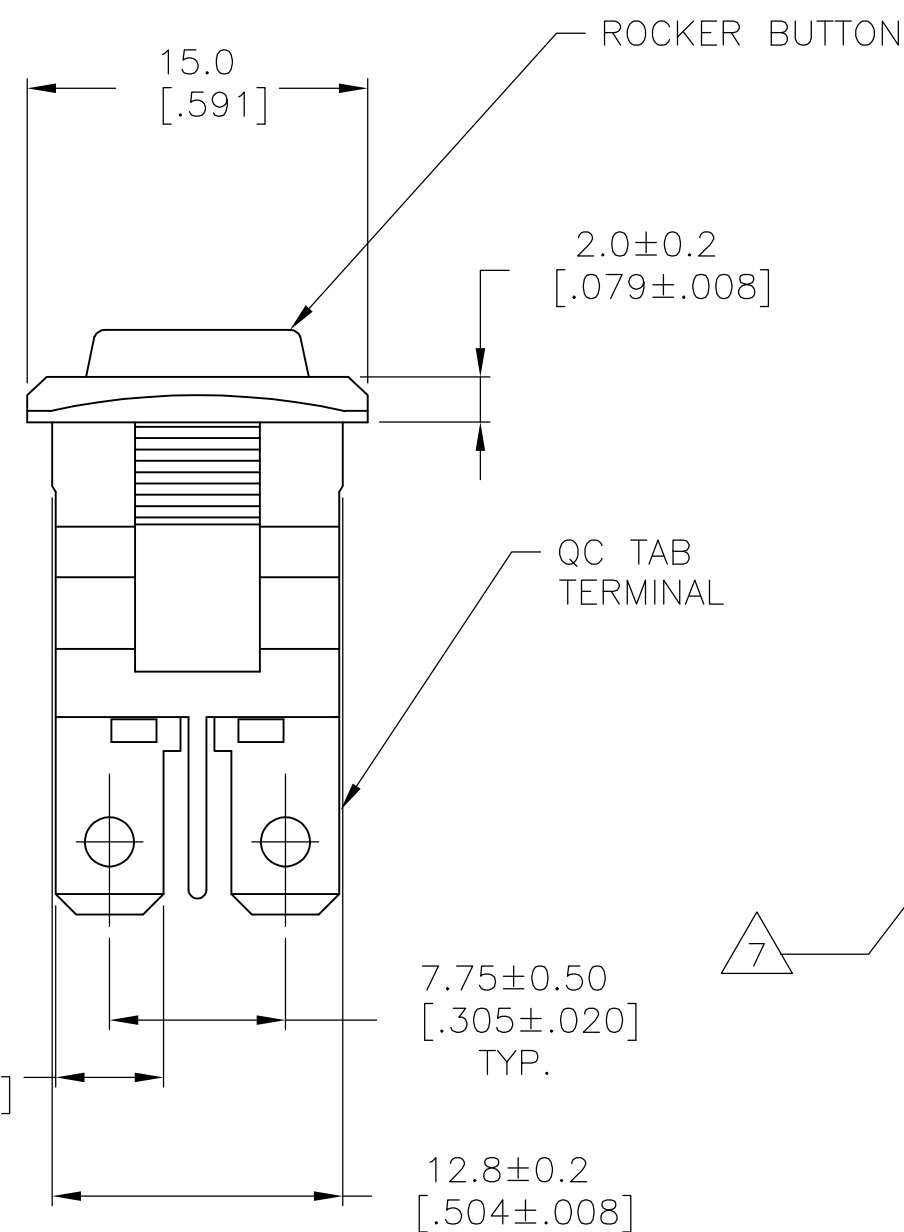
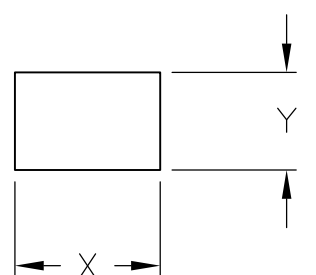
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER	03APR2007	Tyco Electronics Corporation Harrisburg, Pa 17105-3608		
DIMENSIONS: mm [INCHES]		CHK D.ROHDE		Tyco Electronics		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD -		NAME		
0 PLC ± -		PRODUCT SPEC		POWER ROCKER SWITCH, 13.0mm X 19.2mm		
1 PLC ± 0.30[.012]		NOT APPLICABLE		PANEL CUT-OUT SIZE, DOUBLE POLE, DOUBLE THROW,		
2 PLC ± 0.05[.002]		APPLICATION SPEC		SIX TERMINALS, NON-ILLUMINATED		
3 PLC ± -		NOT APPLICABLE		SIZE CAGE CODE DRAWING NO		
4 PLC ± -		WEIGHT		A200719C=1977069		
ANGLES ± -		CUSTOMER DRAWING		RESTRICTED TO		
FINISH		SCALE		3:1		
1		SHEET		1 OF 3		
2		REV		A		



SWITCH FUNCTION D4 CIRCUIT DIAGRAM



PANEL CUT OUT



1-1977069-1 SHOWN

2.00–4.00[.079–.158]	19.8–0.1 [.780–.004]	13.0+0.1 [.512+.004]
1.25–2.00[.049–.079]	19.4–0.1 [.764–.004]	13.0+0.1 [.512+.004]
0.75–1.25[.030–.049]	19.2–0.1 [.756–.004]	13.0+0.1 [.512+.004]
PANEL THICKNESS	X	Y

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER		03APR2007		Tyco Electronics		Tyco Electronics Corporation	
		CHK D.ROHDE		-				Harrisburg, Pa 17105-3608	
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD -		NAME		POWER ROCKER SWITCH, 13.0mm X 19.2mm	
		0 PLC ± -		PRODUCT SPEC		PANEL CUT-OUT SIZE, DOUBLE POLE, DOUBLE THROW, SIX TERMINALS, NON-ILLUMINATED			
		1 PLC ± 0.30[.012]		NOT APPLICABLE					
		2 PLC ± 0.05[.002]		APPLICATION SPEC		SIZE		CAGE CODE	
		3 PLC ± -		NOT APPLICABLE		DRAWING NO		RESTRICTED TO	
MATERIAL		FINISH		WEIGHT		A2		00779	
				-		C-1977069		-	
CUSTOMER DRAWING						SCALE 3:1		SHEET 2 OF 3	
								REV A	

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

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 = A - 13.0x19.2[.512x.756]

NUMBER OF POLES: X₄ = D - DOUBLE

SWITCH FUNCTION: X₅X₆ =

D1: ON-ON, WITH OPAQUE, SINGLE COLOR ROCKER BUTTON

D2: ON-(ON), WITH OPAQUE, SINGLE COLOR ROCKER BUTTON

D3: ON-OFF-ON, WITH OPAQUE, SINGLE COLOR ROCKER BUTTON

D4: ON-OFF-(ON), WITH OPAQUE, SINGLE COLOR ROCKER BUTTON

CURRENT RATING: X₇X₈ = 12 - △6

LEGEND TEXT PATTERN: X₁₃ =

Ø

D

E

F

G

- =

I II

- O =

I O II

TERMINAL TYPE: X₉ = E - QC TAB

LEGEND TEXT COLOR: X₁₄ =

Ø - NOT APPLICABLE

G - GREEN

R - RED

B - BLACK

W - WHITE

FRAME COLOR: X₁₀ =

B - BLACK

W - WHITE

ROCKER COLOR: X₁₁ =

B - BLACK

G - GREEN

R - RED

W - WHITE

1

MATERIALS:

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

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

PLUNGER: BRASS PER ASTM B036

SPRING: STEEL WIRE PER ASTM A228/A228M

2

FINISH:

PLUNGER: 1.02µm[.000040]MIN NICKEL

3

ELECTRICAL SPECIFICATIONS:

CURRENT AND VOLTAGE: △6

CONTACT RESISTANCE: (INITIAL): <100mΩ

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

INSULATION RESISTANCE (INITIAL): >100MΩ (500 VDC 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: 400g MIN, 1400g MAX

OPERATING LIFE ENDURANCE: >100,000 OPERATIONS

TERMINAL RETENTION FORCE: >6.8kg- QC TAB

5

ENVIRONMENTAL SPECIFICATIONS:

AMBIENT TEMPERATURE: -20°C TO +85°C

HUMIDITY: MAX 85%

SALT SPRAY: NO REMARKABLE RUST ON METAL PARTS

(5% SALT/ 35°C, 24HRS)

SHOCK: NO MECHANICAL DEFECT OR DAMAGE

(500G 11MSEC / X,Y,Z, 3 TIMES)

6

12A@125VAC/6A@250VAC

7

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

8

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

9

ROHS 2002/95/EC COMPLIANT.

2	PRADD4-12F-BB0GW	1-1977069-2
2	PRADD4-12F-BB0FW	1-1977069-1
2	PRADD4-12F-BB000	1-1977069-0
1	PRADD2-12F-BB0EW	1977069-9
1	PRADD2-12F-BB0DW	1977069-8
1	PRADD2-12F-BB000	1977069-7
2	PRADD3-12F-BB0GW	1977069-6
2	PRADD3-12F-BB0FW	1977069-5
2	PRADD3-12F-BB000	1977069-4
1	PRADD1-12F-BB0EW	1977069-3
1	PRADD1-12F-BB0DW	1977069-2
1	PRADD1-12F-BB000	1977069-1
SHEET REF	LEGACY PART NUMBER	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± 0.30[.012]

2 PLC ± 0.05[.002]

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH

MATERIAL

1

DWN
M.BINNER

CHK
D.ROHDE

APVD
-

PRODUCT SPEC
NOT APPLICABLE

APPLICATION SPEC
NOT APPLICABLE

WEIGHT
-

CUSTOMER DRAWING

03APR2007

NAME
Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

POWER ROCKER SWITCH, 13.0mm X 19.2mm
PANEL CUT-OUT SIZE, DOUBLE POLE,DOUBLE THROW,
SIX TERMINALS, NON-ILLUMINATED

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1977069

RESTRICTED TO
-

SCALE
3:1

SHEET
3

OF
3

REV
A

AMP 1471-9 REV 31MAR2000

1977069

Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[PRADD2-12F-BB0DW](#)