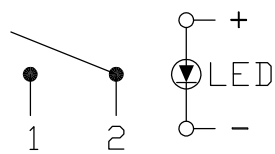
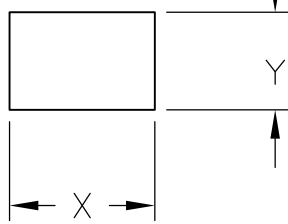


| LOC | DIST | REVISIONS |     |                           |         |      |
|-----|------|-----------|-----|---------------------------|---------|------|
| AD  | 00   | P         | LTR | DESCRIPTION               | DATE    | APVD |
|     |      | G1        |     | REVISED PER ECO-10-005254 | 19MAR10 | NE   |

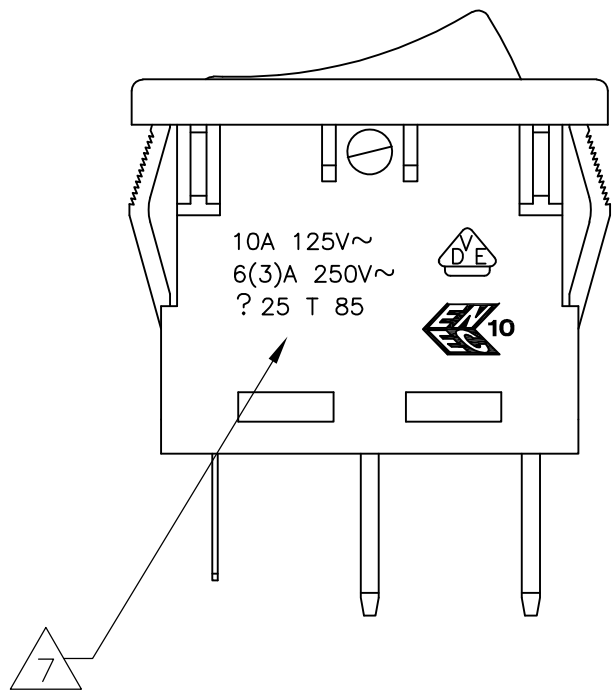
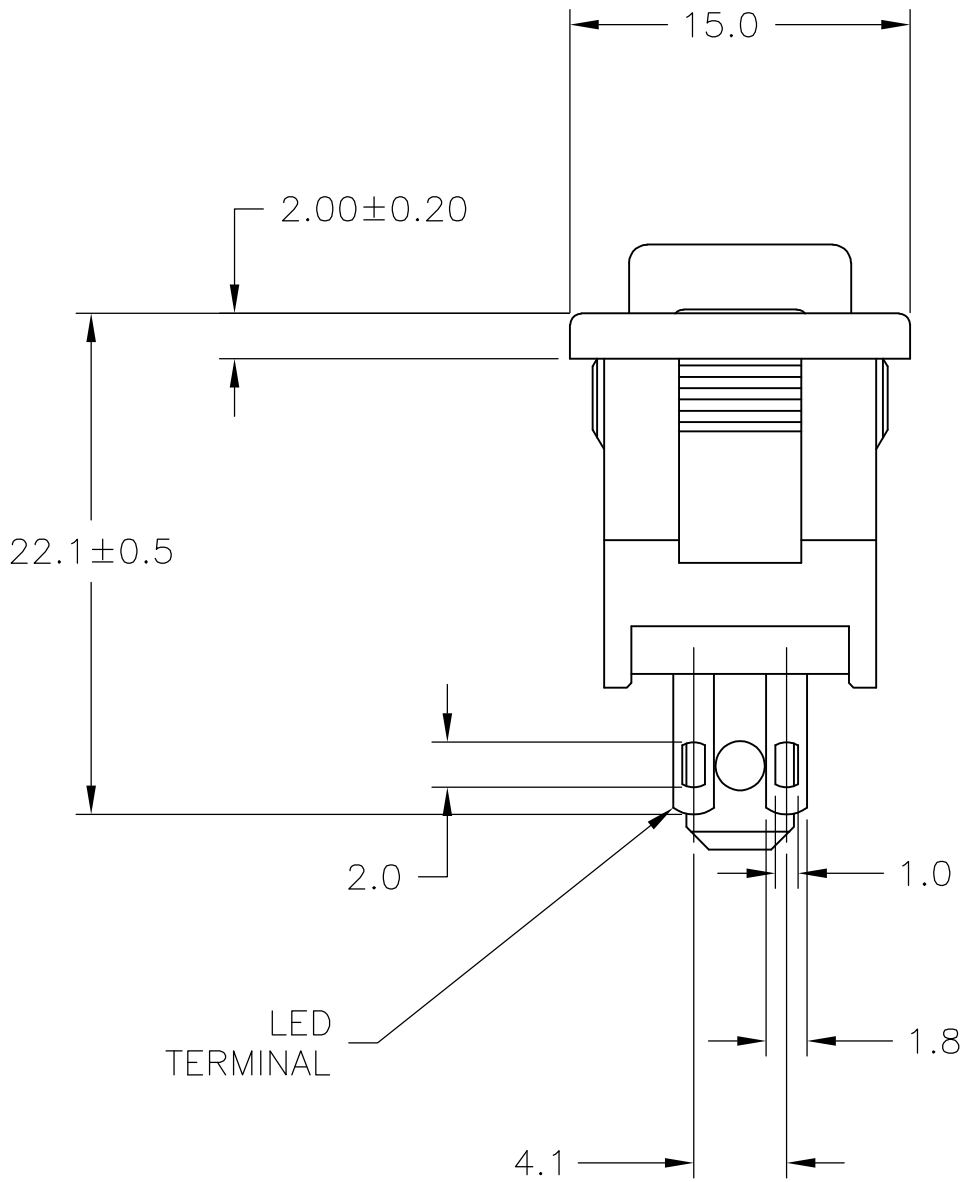
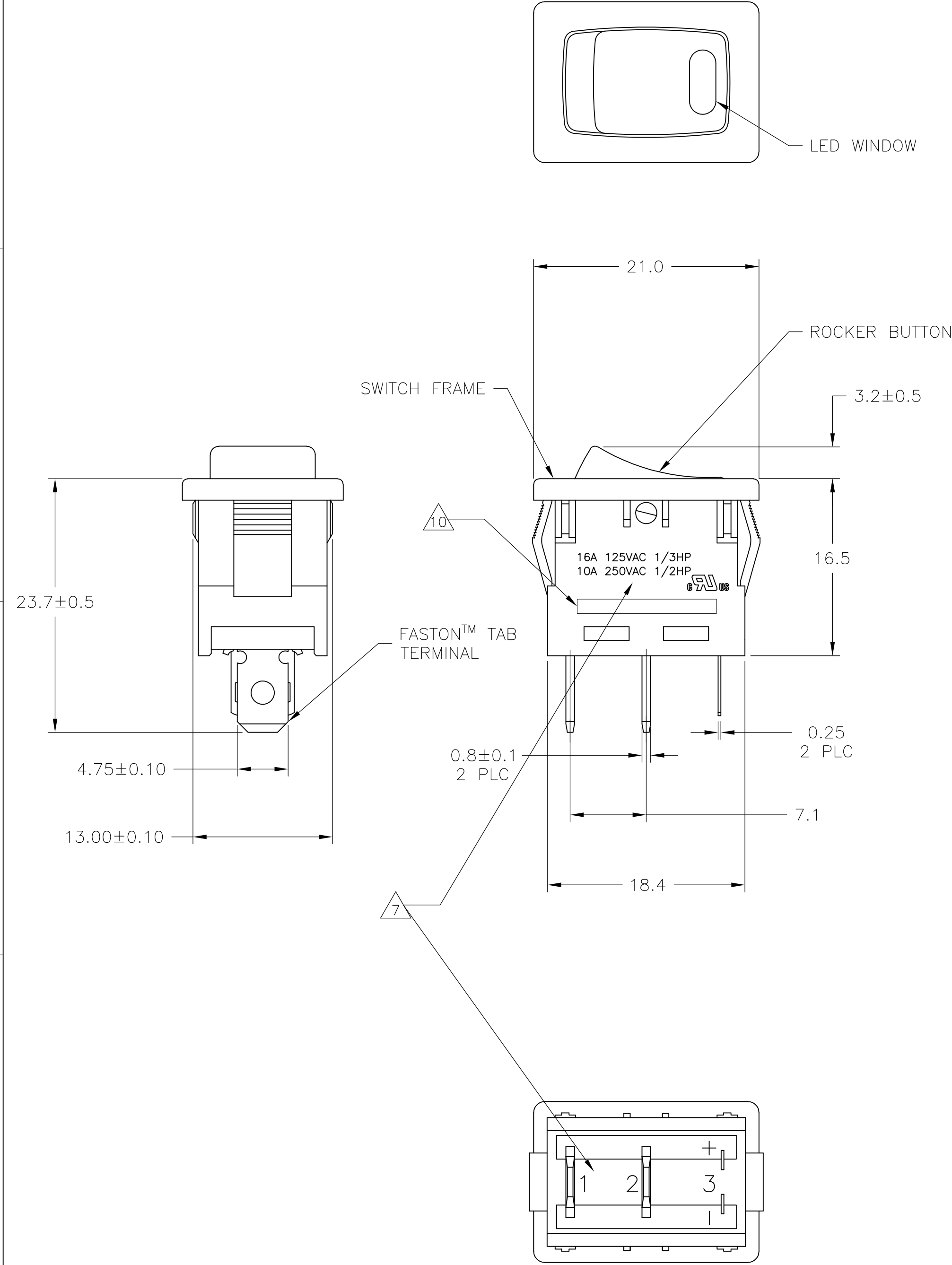
SWITCH FUNCTION C1  
CIRCUIT DIAGRAM



PANEL CUT OUT



|                 |          |          |
|-----------------|----------|----------|
| 2.00-3.00       | 19.8-0.1 | 13.0+0.1 |
| 1.25-2.00       | 19.4-0.1 | 13.0+0.1 |
| 0.75-1.25       | 19.2-0.1 | 13.0+0.1 |
| PANEL THICKNESS | X        | Y        |



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

DWN  
M.BINNER

CHK  
J.MOSIER

APVD  
-

PRODUCT SPEC  
NOT APPLICABLE

APPLICATION SPEC  
NOT APPLICABLE

WEIGHT  
-

CUSTOMER DRAWING

25FEB2002

Tyco Electronics Corporation  
Harrisburg, PA 17057

NAME  
POWER ROCKER SWITCH, 13.0mm X 19.2mm  
PANEL CUT-OUT SIZE, SINGLE POLE, SINGLE THROW,  
FOUR TERMINALS, LED-ILLUMINATED

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
C=1571083

RESTRICTED TO  
-

SCALE  
3:1

SHEET  
1

OF  
2

REV  
G1

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RELEASED FOR PUBLICATION

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LOC

DIST

AD00

REVISIONS

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

ALCOSWITCH PART NUMBER

X<sub>1</sub>X<sub>2</sub>

X<sub>3</sub>

X<sub>4</sub>

X<sub>5</sub>X<sub>6</sub>

—

X<sub>7</sub>X<sub>8</sub>

X<sub>9</sub>

—

X<sub>10</sub>

X<sub>11</sub>

X<sub>12</sub>

X<sub>13</sub>

X<sub>14</sub>

SWITCH TYPE: X<sub>1</sub>X<sub>2</sub> = PR — POWER ROCKER

NOMINAL PANEL CUT OUT SIZE: X<sub>3</sub> = A — 13.0x19.2

NUMBER OF POLES: X<sub>4</sub> = S — SINGLE

SWITCH FUNCTION: X<sub>5</sub>X<sub>6</sub> = C1 — ON–OFF, OPAQUE, LED ILLUMINATED WINDOW, ROCKER BUTTON

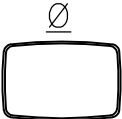
CURRENT RATING: X<sub>7</sub>X<sub>8</sub> = 16 — △6

TERMINAL TYPE: X<sub>9</sub> = F — FASTON™ TAB  
L — SOLDER LUG

FRAME COLOR: X<sub>10</sub> = B — BLACK  
W — WHITE

ROCKER COLOR: X<sub>11</sub> = B — BLACK  
G — GREEN  
R — RED  
W — WHITE

LED COLOR: X<sub>12</sub> = A — AMBER  
G — GREEN  
R — RED

LEGEND TEXT PATTERN: X<sub>13</sub> = 

LEGEND TEXT COLOR: X<sub>14</sub> = Ø — NOT APPLICABLE

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  
LED TERMINALS, PLUNGER: COPPER ALLOY PER ASTM B036  
SPRING: STEEL WIRE PER ASTM A228/A228M  
CONTACT: SILVER–TIN OXIDE

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

3. ELECTRICAL SPECIFICATIONS:  
CURRENT AND VOLTAGE: △6  
CONTACT RESISTANCE (INITIAL): <100mΩ (5V, 1A DC)  
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, VOLTAGE DROP: <100mV  
TEMPERATURE RISE AT TERMINALS: <30°C, 6000 OPERATIONS  
(AMBIENT CONDITIONS: 25±2°C AND 65±5%R.H)  
LED — RED: FORWARD VOLTAGE 2.0 VDC AT 20mA FORWARD CURRENT  
GREEN: FORWARD VOLTAGE 2.2 VDC AT 20mA FORWARD CURRENT  
AMBER: FORWARD VOLTAGE 2.1 VDC AT 20mA FORWARD CURRENT

4. MECHANICAL SPECIFICATIONS:  
ACTUATING FORCE: 150g MIN, 650g MAX  
OPERATING LIFE ENDURANCE: >100,000 OPERATIONS  
TERMINAL RETENTION STRENGTH: >2.5kg– SOLDER LUG  
>6.8kg– FASTON 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 ½HP / 10A@250VAC ½HP  
ENEC: 10A 125V~, 6(3)A 250V~, µ25T85

△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.

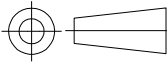
8. COMPONENT RECOGNIZED TO US AND CANADIAN STANDARDS, UL FILE NO. E46765.

9. COMPONENT RECOGNIZED TO EUROPEAN STANDARDS (ENEC & VDE). MARKS LICENSE No. 40006757

△10 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

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M.BINNER

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SHEET  
2

OF  
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REV  
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AMP 1471–9 REV 31MAR2000

1571083