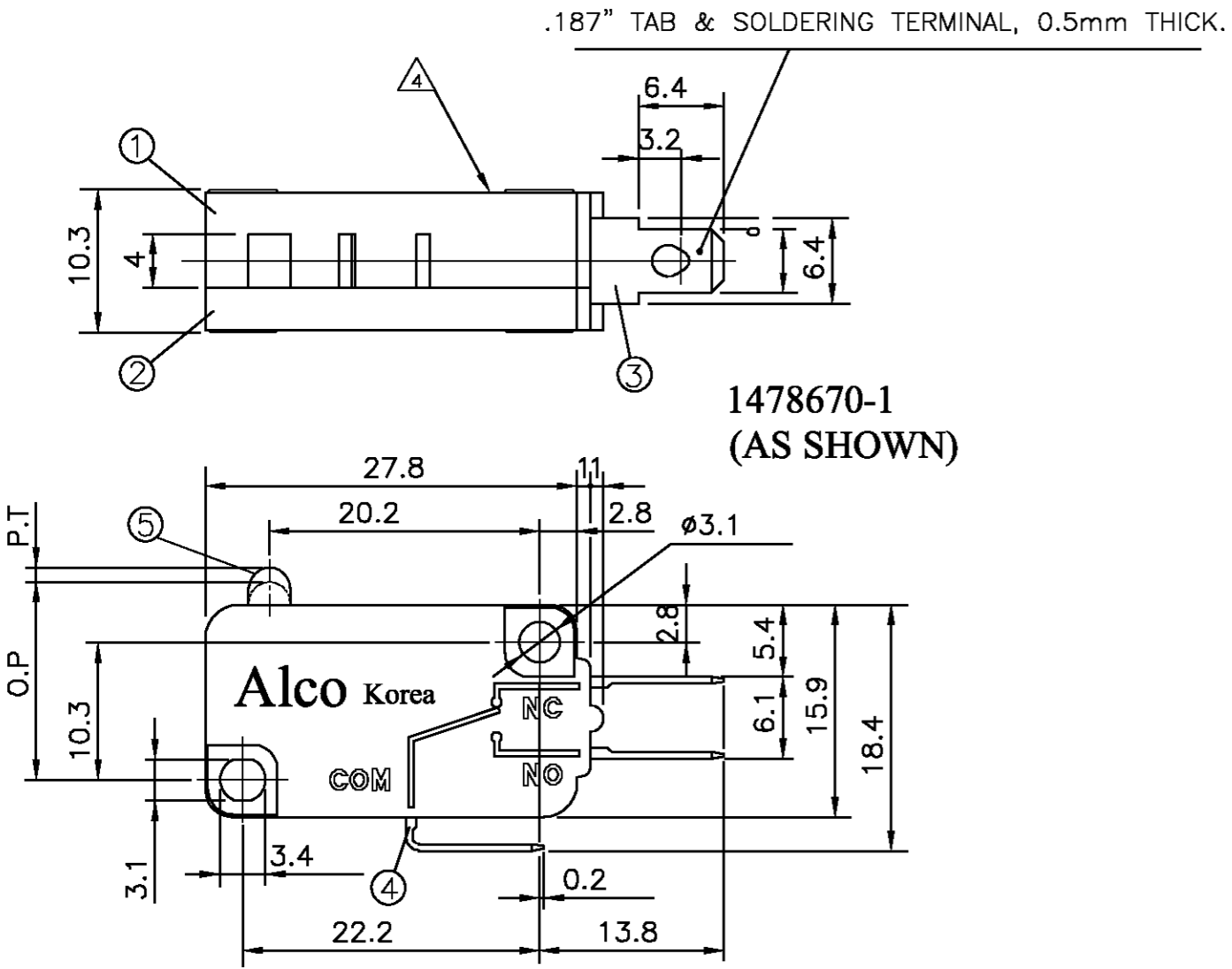


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| Loc |     | DIST         |          | REVISIONS |      |  |  |
|-----|-----|--------------|----------|-----------|------|--|--|
| P   | LTR | DESCRIPTION  | DATE     | DWN       | APVD |  |  |
| E   | B   | EBD0-0129-03 | 09-06-03 | SS        | JA   |  |  |
| D   |     | EB00-0025-03 | 04-02-03 | PB        | JA   |  |  |
| C   |     | EB00-0308-02 | 23-09-02 | SS        | JA   |  |  |

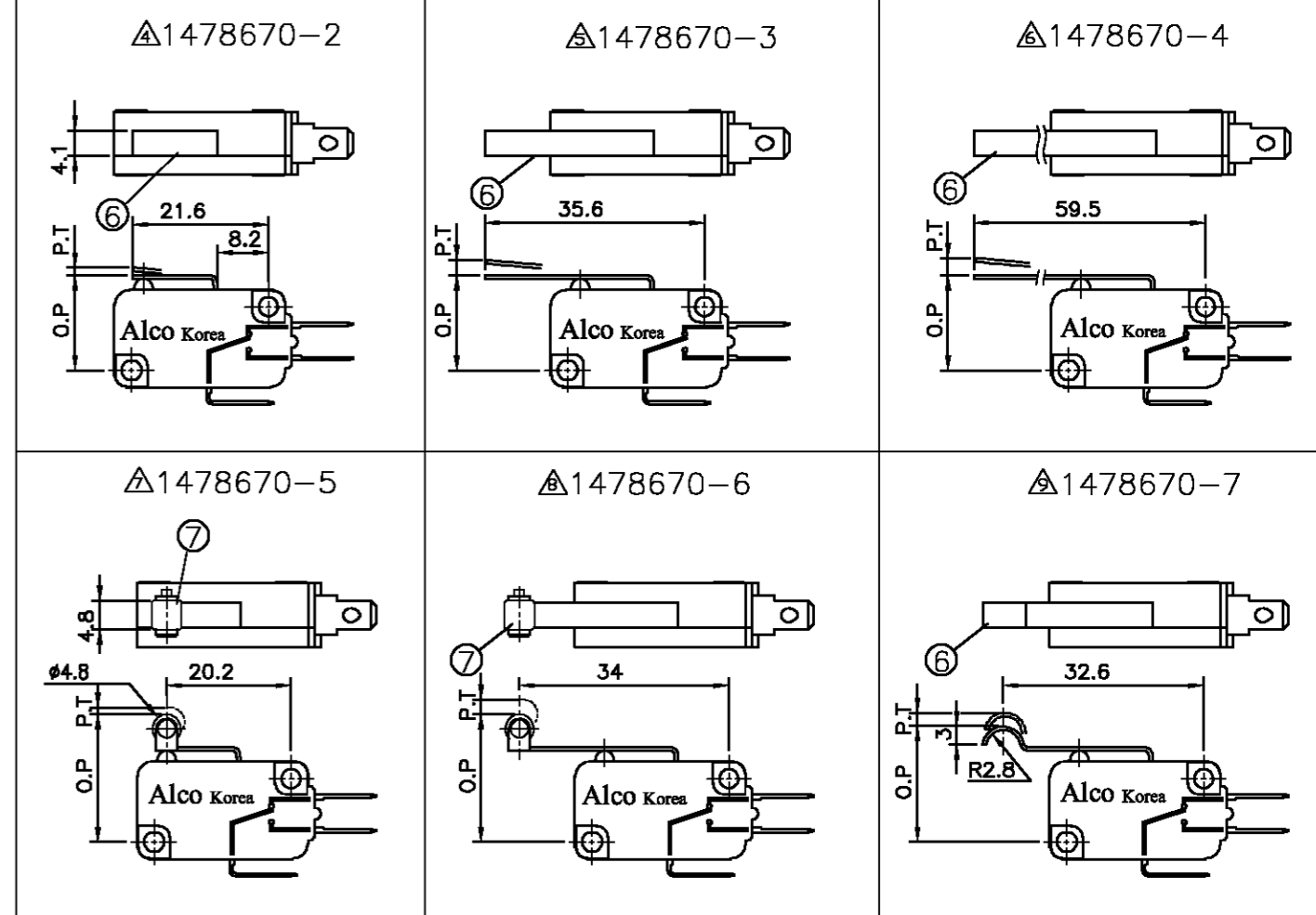
SPECIFICATION DATA

|  |                                   | Minature Range   |                        |                                  |
|--|-----------------------------------|--|------------------------|----------------------------------|
|  |                                   | 16   | 5                      | 0.1                              |
| <b>Amp Rating</b>                                    |                                   |  |                        |                                  |
| <b>Insulation Resistance</b>                         |                                   | Min. 100M ohm  |                        |                                  |
| <b>Contact Resistance</b>                            |                                   | Max 15 M ohm   |                        | Max 50 M ohm                     |
| <b>Dielectric Strength</b>                           | Between Non-consecutive terminals | AC 2,000V  |                        |                                  |
| <b>Operating Speed</b>                               |                                   | 0.2mm/sec - 1,000mm/sec                                  | 1mm/sec - 500mm/sec    |                                  |
| <b>Max allowed Mechanical Open/Close Frequencies</b> |                                   | 600 Cycles/min   | 300 Cycles/min         |                                  |
| <b>Shock Resistance (Without Lever)</b>              |                                   | 300mm/sec sq (approx 30G)                                |                        |                                  |
| <b>Vibration Resistance (Without Lever)</b>          |                                   | 1.5mm 10-55 Hz (2Hr)                                     | 1.5mm 10 - 20Hz (2 Hr) |                                  |
| <b>Electrical Life</b>                               |                                   | 100,000 Operations at Rated Load (Max 20 Operations/min) |                        | 1,000,000 Operations             |
| <b>Mechanical Life</b>                               |                                   | 10,000,000 Operations (Max 200 operations/min)           |                        |                                  |
| <b>Safety Approval</b>                               |                                   | UL / CSA / VDE   |                        |                                  |
| <b>Operating Temperature Range</b>                   |                                   | -20 deg C to 130 deg C RH85% Max                         |                        | -30 deg C to 130 deg C RH90% Max |
| <b>UL File No.</b>                                   |                                   | E60363   |                        |                                  |
| <b>CSA File No</b>                                   |                                   | 218582   |                        |                                  |
| <b>VDE File No.</b>                                  |                                   | 40006699   |                        | 40006698                         |



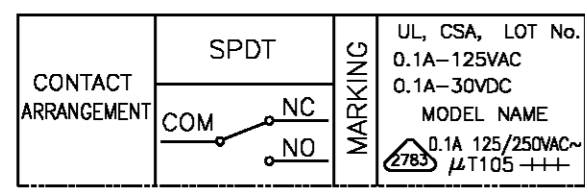
1478670-1 (AS SHOWN)

| NO | DRAWING NO | △ | CHARACTERISTICS |                 |             |                    |             |                       |
|----|------------|---|-----------------|-----------------|-------------|--------------------|-------------|-----------------------|
|    |            |   | Operating Force | Releasing Force | Pre Travel  | Operating Position | Over Travel | Movement Differential |
| 1  | 1478670-1  | — | Max 60 g        | Min 12 g        | Max 1.6 m/m | 14.8 ±0.4 m/m      | Min 0.8 m/m | Max 0.4 m/m           |
| 2  | 1478670-2  | △ | 60 g            | 12 g            | 1.6 m/m     | 15.4 ±0.4 m/m      | 0.8 m/m     | 0.4 m/m               |
| 3  | 1478670-3  | △ | 35 g            | 6 g             | 4.0 m/m     | 15.4 ±1.4 m/m      | 1.3 m/m     | 1.2 m/m               |
| 4  | 1478670-4  | △ | 15 g            | 3 g             | 7.5 m/m     | 15.4 ±3.0 m/m      | 2.6 m/m     | 2.4 m/m               |
| 5  | 1478670-5  | △ | 60 g            | 12 g            | 1.6 m/m     | 20.7 ±0.8 m/m      | 0.8 m/m     | 0.4 m/m               |
| 6  | 1478670-6  | △ | 35 g            | 6 g             | 4.0 m/m     | 20.7 ±1.6 m/m      | 1.3 m/m     | 1.2 m/m               |
| 7  | 1478670-7  | △ | 35 g            | 6 g             | 4.0 m/m     | 18.6 ±1.5 m/m      | 1.3 m/m     | 1.2 m/m               |



NOTES:

- FOR TECHNICAL DATA REFER TO YOUR LOCAL TYCO ELECTRONICS SALES OFFICE.
- ALL DIMENSIONS ARE NOMINAL. FOR REFERENCE ONLY UNLESS OTHERWISE STATED.
- ALL DIMENSIONS ARE COMMON TO THE MAIN BODY. VARIATIONS ARE IN THE OPERATING LEVERS.
- TYCO PART NUMBER AND LOT No. INKJET MARKED IN THIS AREA.
- GENERAL INFO.



|    |                 |      |
|----|-----------------|------|
| 7  | ROLLER          | (1)  |
| 6  | LEVER           | (1)  |
| 5  | BUTTON          | 1    |
| 4  | COMMON TERMINAL | 1    |
| 3  | TERMINAL        | 1    |
| 2  | COVER           | 1    |
| 1  | BOX             | 1    |
| NO | PART NAME       | Q'TY |

| TYCO SALES PART No. | TYCO PART NO. | DESCRIPTION               | COLOUR | QTY  | PACK DESC |
|---------------------|---------------|---------------------------|--------|------|-----------|
| MP01-DT-ASMM        | 1478670-7     | Microswitch, Simu Lever   | Grey   | 1000 | CARTON    |
| MP01-DT-ANRM        | 1478670-6     | Microswitch, Norm Roller  | Grey   | 800  | CARTON    |
| MP01-DT-ASRB        | 1478670-5     | Microswitch, Short Roller | Grey   | 1000 | CARTON    |
| MP01-DT-ALLL        | 1478670-4     | Microswitch, Long Lever   | Grey   | 600  | CARTON    |
| MP01-DT-ANLM        | 1478670-3     | Microswitch, Norm Lever   | Grey   | 800  | CARTON    |
| MP01-DT-ASLB        | 1478670-2     | Microswitch, Short Lever  | Grey   | 1000 | CARTON    |
| MP01-DT-AOLB        | 1478670-1     | Microswitch, Pin Plunger  | Grey   | 1000 | CARTON    |

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|      |             |           |
|------|-------------|-----------|
| DWN  | P. Bates    | 04FEB2003 |
| CHK  | C. Kaminski | 17-10-01  |
| APVD | C. Kaminski | 17-10-01  |

tyco Electronics Tyco Electronics Corporation Stanmore, Middlesex, HA7 4RS

NAME: MICRO SWITCH 0.1A SOLDER TERMINAL 60g RANGE

|       |     |           |       |            |           |               |   |
|-------|-----|-----------|-------|------------|-----------|---------------|---|
| SIZE  | A2  | CAGE CODE | 00779 | DRAWING NO | C=1478670 | RESTRICTED TO |   |
| SCALE | 1:1 | SHEET     | 1     | OF         | 2         | REV           | E |

CUSTOMER DRAWING

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| LOC |     | DIST         |          | REVISIONS |      |  |  |
|-----|-----|--------------|----------|-----------|------|--|--|
| P   | LTR | DESCRIPTION  | DATE     | DWN       | APVD |  |  |
| E   | B   | EBD0-0129-03 | 09-06-03 | SS        | JA   |  |  |
|     |     |              |          |           |      |  |  |
|     |     |              |          |           |      |  |  |

# MAJOR COMPONENT & MATERIAL LIST

| NO | PART NAME         | MATERIAL                                | Q'ty | UL FRAME | FINISH (COLOR) |
|----|-------------------|---|------|----------|----------------|
| 1  | CASE              | P.B.T RESIN                             | 1    | 94 V-0   |                |
| 2  | COVER             |   | 1    |          |                |
| 3  | MOVABLE CONTACTOR | Phosphor Bronze Sheet<br>t=0.3          | 1    |          |                |
| 4  | GUIDE PLATE       | Brass Sheet<br>t=0.8                    | 1    |          | SILVER PLATING |
| 5  | COMMON TERMINAL   | Brass Sheet<br>t=0.8                    | 1    |          | SILVER PLATING |
| 6  | PLATE SPRING      | Beryllium Copper Sheet<br>(t=0.1~ 0.25) | 1    |          |                |
| 7  | TERMINAL AID      | Brass Sheet<br>(t=0.8)                  | 0    |          |                |
| 8  | CONTACT           | Au alloy                                | 4    |          |                |
| 9  | TERMINAL          | Brass Sheet<br>(t=0.8)                  | 2    |          |                |
| 10 | ACTUATOR          | PHENOLIC RESIN                          | 1    | 94 V-0   |                |
| 11 | LEVER             | Stainless SteelSheet<br>(t=0.6)         | (1)  |          |                |

( ) = Where Applicable

|   |  |                                     |  |                    |
|---|--|-------------------------------------|--|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                      |  | DWN<br>S.Shackson<br>09JUN2003      | Tyco Electronics Corporation<br>Stanmore, Middlesex, HA7 4RS |                    |
| DIMENSIONS:<br>MM   |  | CHK<br>F.Wheeler-King<br>09JUN2003  | NAME<br>MICRO SWITCH 0.1A<br>SOLDER TERMINAL<br>60g RANGE    |                    |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                                      |  | APVD<br>F.Wheeler-King<br>09JUN2003 | SIZE<br>A2   | CAGE CODE<br>00779 |
| 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± -<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - |  | PRODUCT SPEC<br>-                   | DRAWING NO<br>C=1478670                                      | RESTRICTED TO<br>- |
| MATERIAL<br>-   |  | FINISH<br>-                         | WEIGHT<br>-  | SCALE<br>1:1       |
| CUSTOMER DRAWING  |  |                                     | SHEET<br>2   | OF<br>2            |
|   |  |                                     | REV<br>E   |                    |