

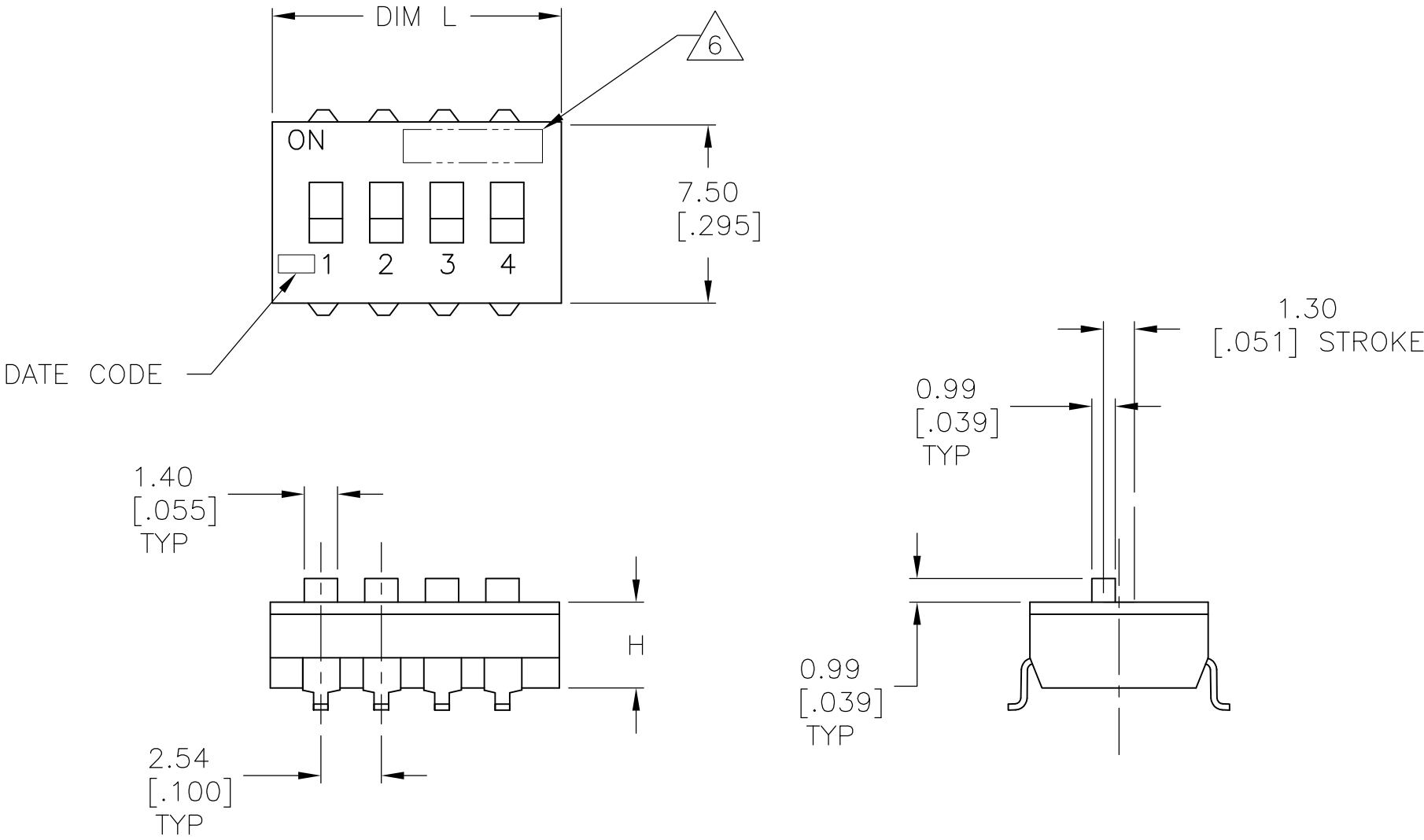
| LOC | DIST | REVISIONS |     |                           |         |     |      |
|-----|------|-----------|-----|---------------------------|---------|-----|------|
|     |      | P         | LTR | DESCRIPTION               | DATE    | DWN | APVD |
| AD  | 0    |           | 03  | REVISED PER ECO-08-000954 | 1/11/08 | SS  | MS   |
|     |      |           | 04  | REVISED PER ECO-09-024927 | 09NOV09 | KK  | AEG  |
|     |      |           |     |                           |         |     |      |

D

C

B

A



SPECIFICATIONS:

MATERIAL  
BASE, PPS, UL94V-0, BLACK  
COVER, PPS, UL94V-0, BLACK  
ACTUATOR, PA6T, UL94V-0, WHITE  
FIXED CONTACT/TERMINAL, CU ALLOY-GOLD FLASH OVER NICKEL  
MOVING CONTACT, CU ALLOY, PLATE-GOLD FLASH/NICKEL

ELECTRICAL  
MAX CONTACT RATING SWITCHING, 100MILLIAMPS @ 24 VDC  
MIN CONTACT RATING SWITCHING, .1MICROAMP @ 1 MILLIVOLT  
MAX CONTACT NON-SWITCHING, 1AMP @ 5 VDC  
INITIAL CONTACT RESISTANCE, 50 MILLIOHMS MAX.  
CONTACT RESISTANCE (AFTER ENVIRONMENTAL TEST), 100 MILLIOHMS  
CONTACT RESISTANCE (AFTER GAS TEST), 300 MILLIOHMS  
INSULATION RESISTANCE, 1,000 MEGOHMS MIN. @ 100 VDC  
DIELECTRIC STRENGTH, 500 VAC RMS @ SEA LEVEL  
LIFE EXPECTANCY, 1,000 CYCLES

MECHANICAL  
OPERATING FORCE, LESS THAN 800 GRAMS  
CONTACT PRESSURE, 280,000 PSI

ENVIRONMENTAL  
OPERATING TEMPERATURE, -30 TO +85 DEGREES C  
STORAGE TEMPERATURE, -45 TO +105 DEGREES C  
CLEANING, AQUEOUS OR SOLVENT  
SOLDER HEAT RESISTANCE, PER 109-201,COND B, SWITCH "OFF".  
SOLDERABILITY PER JIS C 0050 & JIS C 0053

- SWITCHES TO BE RECEIVED IN THE "OFF" POSITION AND PACKAGED IN CLEAR TUBES TO ACCOMMODATE AUTO-INSERTION.
- TOP SURFACE TO BE CLEARLY MARKED AS SHOWN
- SWITCHES TO BE BLACK WITH WHITE ACTUATORS AND MARKINGS.
- TERMINAL OPTION: OLD T&B P/N ADExxS, SA OR SB  
S= OUTSIDE "L" TERMINALS; SA= INSIDE "L" TERMINALS;  
SB= BUTT TERMINALS
- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
- OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

SEE SHEET 2 FOR PART NUMBER TABLE  
AND MOUNTING OPTIONS

|                                        |  |                       |                 |                                                           |                    |
|----------------------------------------|--|-----------------------|-----------------|-----------------------------------------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>B.S.VISWESWARA | 10FEB05         | Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |                    |
| DIMENSIONS:<br>mm [INCHES]             |  | CHK<br>M.SARVER       | -               |                                                           |                    |
|                                        |  | APVD<br>M.SARVER      | -               | NAME<br>DIP SWITCH, ADE-SMT SERIES                        |                    |
|                                        |  | PRODUCT SPEC          | -               |                                                           |                    |
|                                        |  | APPLICATION SPEC      | -               |                                                           |                    |
| MATERIAL<br>-                          |  | WEIGHT<br>-           | -               | SIZE<br>A2                                                | CAGE CODE<br>-     |
| FINISH<br>-                            |  | CUSTOMER DRAWING      |                 | DRAWING NO<br>C=1825058                                   | RESTRICTED TO<br>- |
|                                        |  | SCALE<br>4:1          | SHEET<br>1 OF 2 | REV<br>04                                                 |                    |

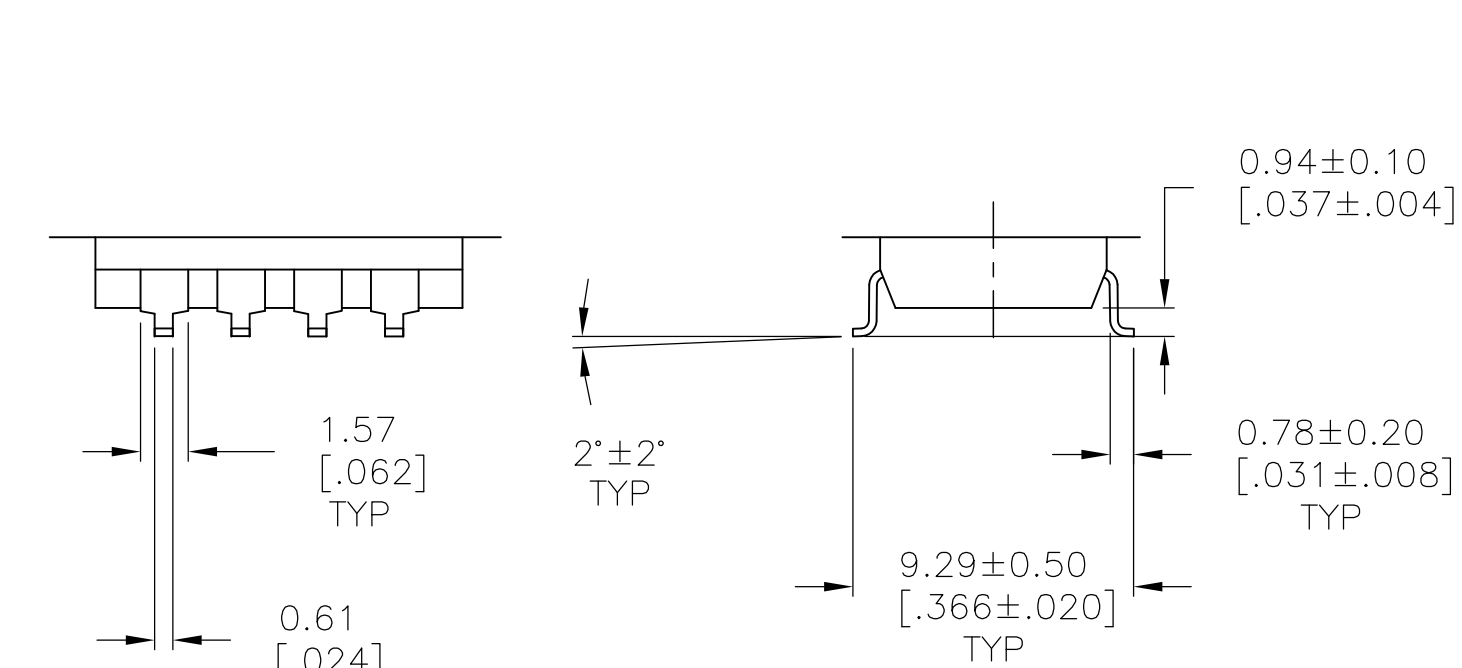
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| AD  | 0    |           | —   | SEE SHEET 1 | —    | —   | —    |

D

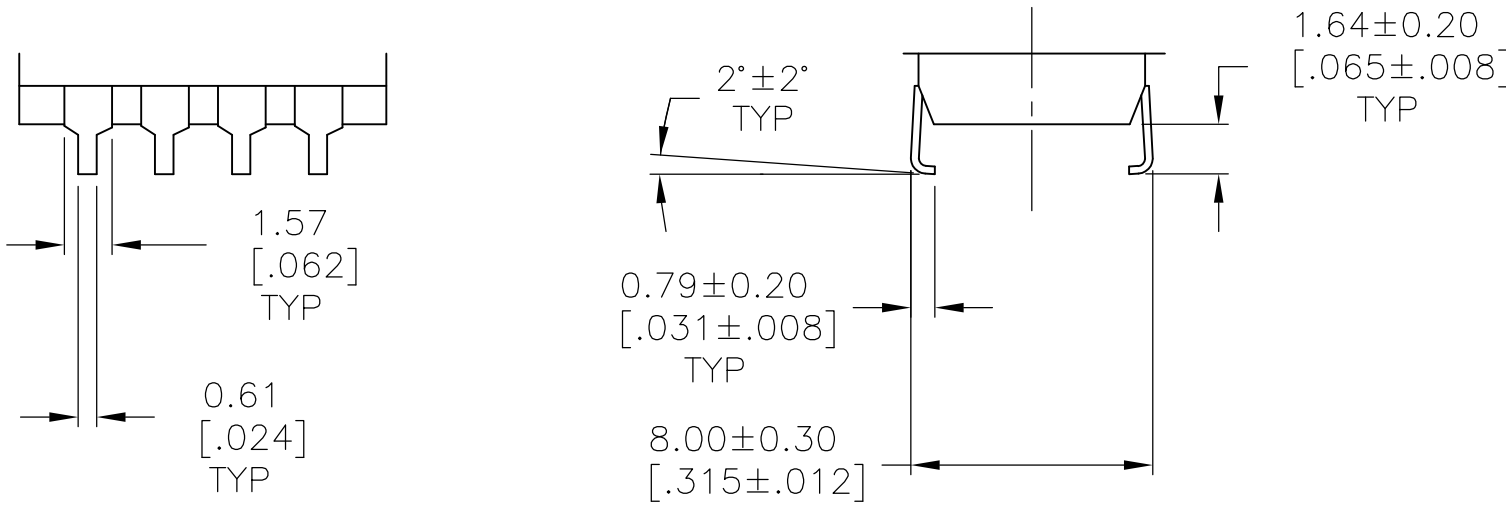
C

B

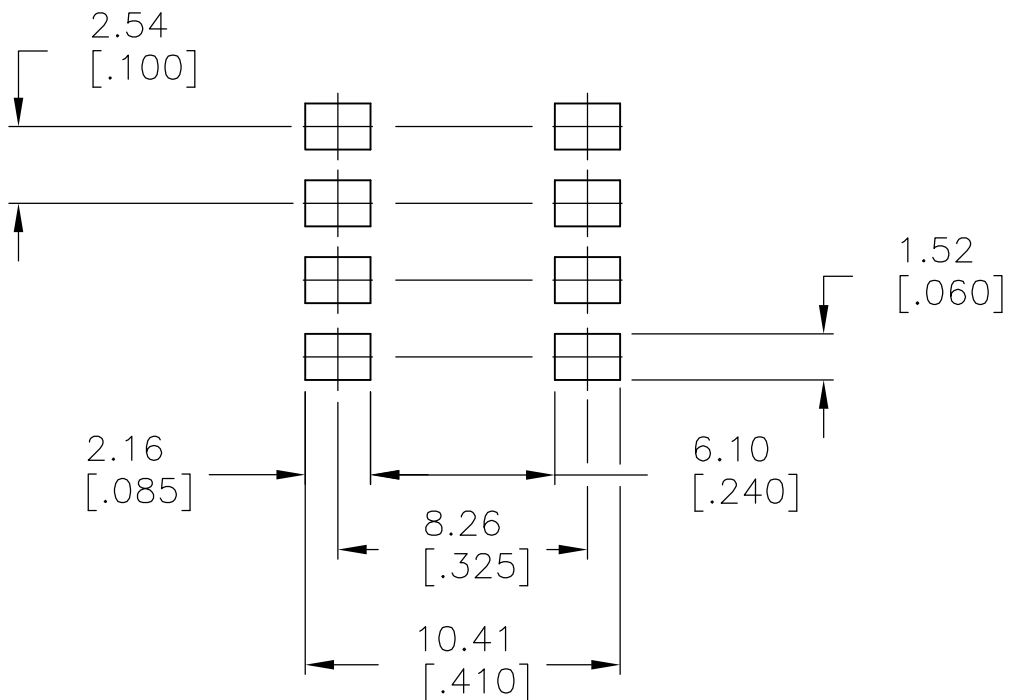
A



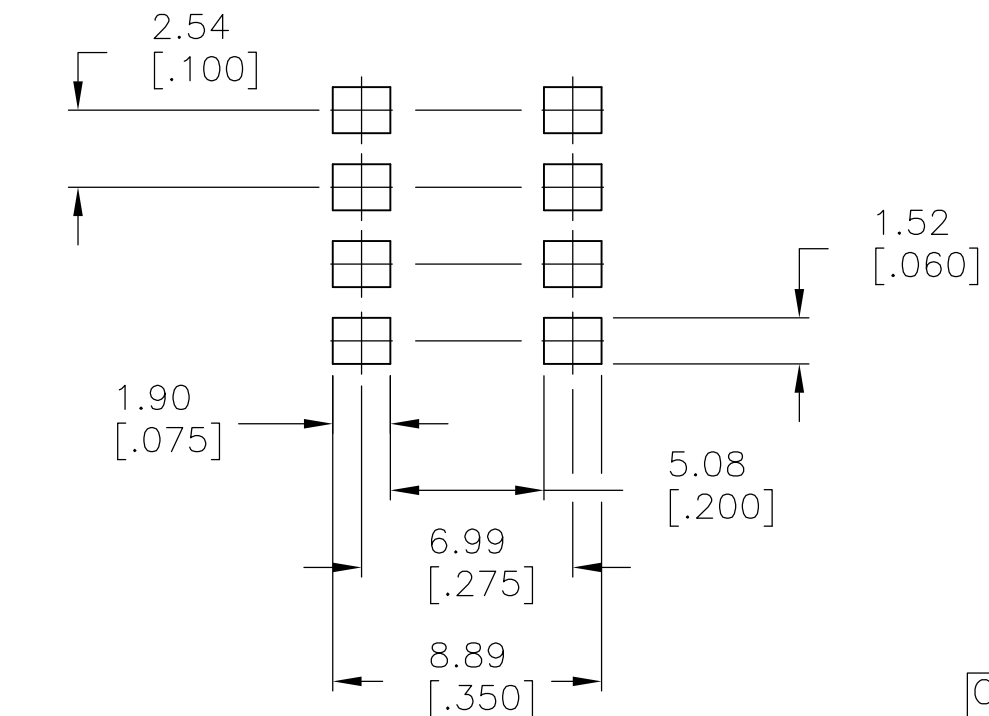
SURFACE MOUNT  
S (OUTSIDE "L")



SURFACE MOUNT  
SA (INSIDE "L")



RECOMMENDED PAD LAYOUT



RECOMMENDED PAD LAYOUT

|               |           |            |              |          |             |
|---------------|-----------|------------|--------------|----------|-------------|
|               | ADE12SB04 | 3.61[.142] | 32.51[1.280] | 12       | 3-1825058-0 |
|               | ADE12SA04 | 3.61[.142] | 32.51[1.280] | 12       | 2-1825058-9 |
|               | ADE12S04  | 3.61[.142] | 32.51[1.280] | 12       | 2-1825058-8 |
|               | ADE10SB04 | 3.50[.138] | 27.36[.1078] | 10       | 2-1825058-7 |
|               | ADE10SA04 | 3.50[.138] | 27.36[.1078] | 10       | 2-1825058-6 |
|               | ADE10S04  | 3.50[.138] | 27.36[.1078] | 10       | 2-1825058-5 |
|               | ADE09SB04 | 3.50[.138] | 24.54[.978]  | 9        | 2-1825058-4 |
|               | ADE09SA04 | 3.50[.138] | 24.54[.978]  | 9        | 2-1825058-3 |
|               | ADE09S04  | 3.50[.138] | 24.54[.978]  | 9        | 2-1825058-2 |
|               | ADE08SB04 | 3.50[.138] | 22.30[.878]  | 8        | 2-1825058-1 |
|               | ADE08SA04 | 3.50[.138] | 22.30[.878]  | 8        | 2-1825058-0 |
|               | ADE08S04  | 3.50[.138] | 22.30[.878]  | 8        | 1-1825058-9 |
| OBSOLETE<br>6 | ADE07SB04 | 3.50[.138] | 19.76[.778]  | 7        | 1-1825058-8 |
|               | ADE07SA04 | 3.50[.138] | 19.76[.778]  | 7        | 1-1825058-7 |
|               | ADE07S04  | 3.50[.138] | 19.76[.778]  | 7        | 1-1825058-6 |
|               | ADE06SB04 | 3.50[.138] | 17.22[.678]  | 6        | 1-1825058-5 |
|               | ADE06SA04 | 3.50[.138] | 17.22[.678]  | 6        | 1-1825058-4 |
|               | ADE06S04  | 3.50[.138] | 17.22[.678]  | 6        | 1-1825058-3 |
| OBSOLETE<br>6 | ADE05SB04 | 3.50[.138] | 14.68[.578]  | 5        | 1-1825058-2 |
|               | ADE05SA04 | 3.50[.138] | 14.68[.578]  | 5        | 1-1825058-1 |
|               | ADE05S04  | 3.50[.138] | 14.68[.578]  | 5        | 1-1825058-0 |
|               | ADE04SB04 | 3.50[.138] | 12.14[.478]  | 4        | 1825058-9   |
|               | ADE04SA04 | 3.50[.138] | 12.14[.478]  | 4        | 1825058-8   |
|               | ADE04S04  | 3.50[.138] | 12.14[.478]  | 4        | 1825058-7   |
| 6OBSOLETE     | ADE03SB04 | 3.50[.138] | 9.60[.378]   | 3        | 1825058-6   |
|               | ADE03SA04 | 3.50[.138] | 9.60[.378]   | 3        | 1825058-5   |
|               | ADE03S04  | 3.50[.138] | 9.60[.378]   | 3        | 1825058-4   |
|               | ADE02SB04 | 3.50[.138] | 7.06[.278]   | 2        | 1825058-3   |
|               | ADE02SA04 | 3.50[.138] | 7.06[.278]   | 2        | 1825058-2   |
|               | ADE02S04  | 3.50[.138] | 7.06[.278]   | 2        | 1825058-1   |
|               | T&B P/N   | DIM H      | DIM L        | POSITION | PART NO.    |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm [INCHES]

MATERIAL  
—

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± —  
1 PLC ± —  
2 PLC ± 0.30[.012]  
3 PLC ± —  
4 PLC ± —  
ANGLES ± —  
FINISH —

DWN  
B.S.VISWESWARA  
CHK  
M.SARVER  
APVD  
M.SARVER  
PRODUCT SPEC  
APPLICATION SPEC  
WEIGHT  
—  
CUSTOMER DRAWING

10FEB05  
—  
—  
—  
—  
—  
—  
—  
—  
—

Tyco Electronics Corporation  
Harrisburg, PA 17105-3608

NAME  
DIP SWITCH, ADE-SMT SERIES

SIZE  
A2

CAGE CODE  
—

DRAWING NO  
C=1825058

RESTRICTED TO  
—

SCALE  
4:1

SHEET  
2 OF 2

REV  
04