

D

D

C

C

B

B

A

A

SPECIFICATIONS:

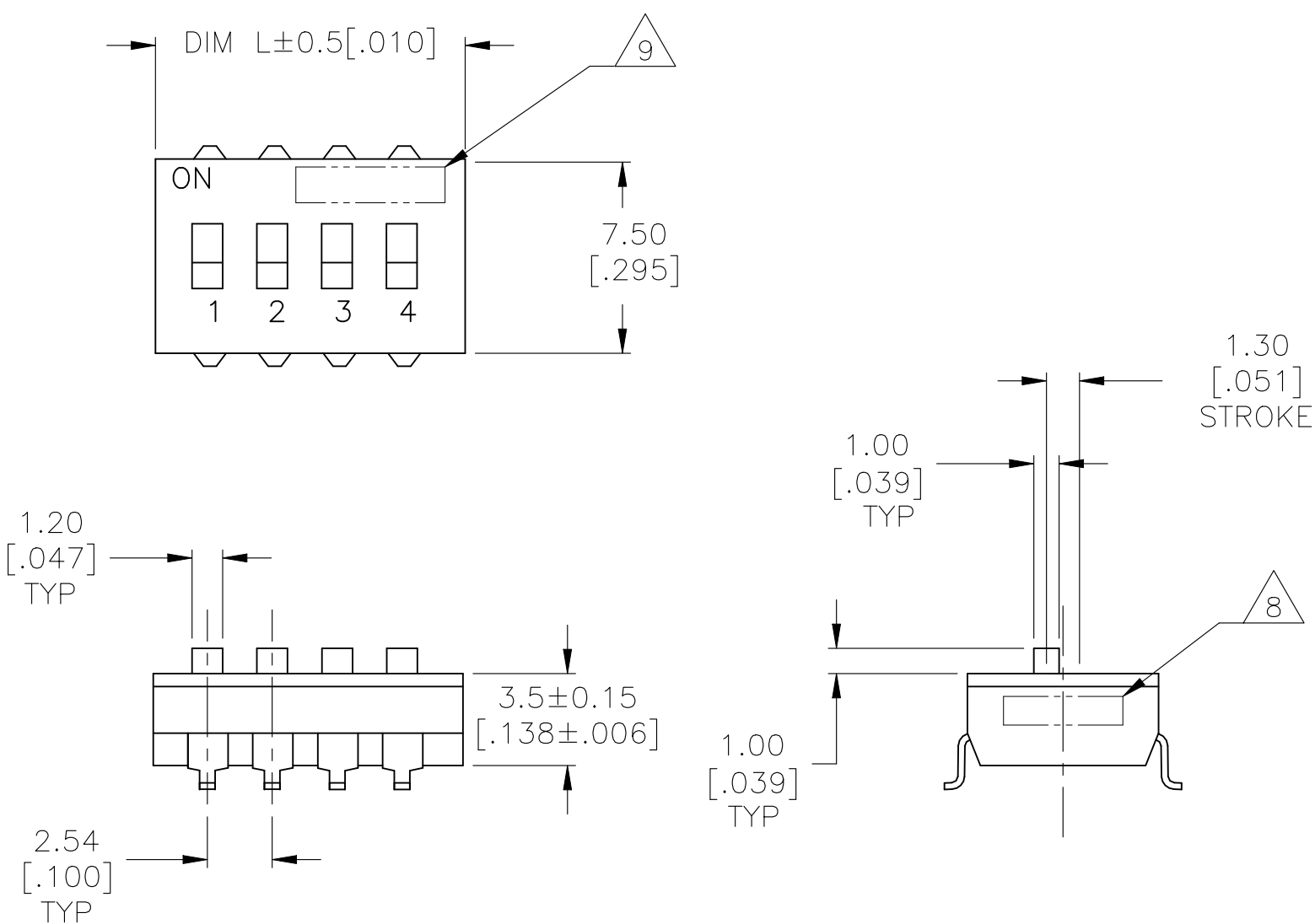
MATERIAL  
BASE, PPS, UL94V-0, BLACK  
COVER, PPS, UL94V-0, BLACK  
ACTUATOR, PA6T, UL94V-0, WHITE  
FIXED CONTACT/TERMINAL, CU ALLOY-GOLD FLASH OVER NICKEL  
MOVING CONTACT, CU ALLOY, PLATE-GOLD FLASH/NICKEL

ELECTRICAL  
MAX CONTACT RATING SWITCHING, -100mA @5VDC (Ampere max)  
- 25mA@24VDC (Voltage max).  
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, 100MΩ MIN@ 100VDC BETWEEN THE SAME POLES  
DIELECTRIC STRENGTH, 300V AC FOR 1 MINUTE.  
ELECTRICAL LIFE, 1,000 CYCLES (10mA@5VDC)  
WITHSTAND VOLTAGE, 300VAC FOR 1 MIN BETWEEN THE SAME POLES

MECHANICAL  
OPERATING FORCE, LESS THAN 800 GRAMS  
CONTACT PRESSURE, 2.9N MIN.

ENVIRONMENTAL  
OPERATING TEMPERATURE, -30 TO +85 DEGREES C  
STORAGE TEMPERATURE, -40 to 85 DEGREES C  
CLEANING, AQUEOUS OR SOLVENT  
SOLDER HEAT RESISTANCE, PER 109-201,COND B, SWITCH "OFF".  
SOLDERABILITY PER JIS C 0050 & JIS C 0053

- 1 SWITCHES TO BE RECEIVED IN THE "OFF" POSITION AND PACKAGED IN CLEAR TUBES TO ACCOMMODATE AUTO-INSERTION.
- 2 TOP SURFACE TO BE CLEARLY MARKED AS SHOWN.
- 3 SWITCHES TO BE BLACK WITH WHITE ACTUATORS AND MARKINGS.
- 4 TERMINAL OPTION: OLD T&B P/N ADExxS, SA OR SB  
S= OUTSIDE "L" TERMINALS; SA= INSIDE "L" TERMINALS;  
SB= BUTT TERMINALS.
- 5 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).
- 6 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI.
- 7 TAPE AND REEL PACKING PER PAGE 3 SPECIFICATIONS.



8 MARK ALCO PLUS FIRST 5 DIGITS PER T&B P/N.2 AND 3 POSITION SUPPLIED WITHOUT ALCO

15 5 8 A1  
SPACE INTERNAL CONTROL No. (2-digit)

YEAR OF PRODUCTION WITH 1-DIGIT FIGURE(4TH DIGIT OF CALENDAR YEAR)  
(EXAMPLE: Y2018: 8; Y2019: 9)

MONTH OF PRODUCTION WITH 1-DIGIT FIGURE OR ALPHABET  
(EXAMPLE: 1~9, X(10), Y(11), Z(12))

DATE OF PRODUCTION WITH 2-DIGIT FIGURES(01-31)

9 MARK ALCO PLUS FIRST 5 DIGITS PER T&B P/N.2 AND 3 POSITION SUPPLIED WITHOUT ALCO

SEE SHEET 2 FOR PART NUMBER TABLE  
AND MOUNTING OPTIONS

|                                                                                      |  |                                  |                                        |                         |                    |  |
|--------------------------------------------------------------------------------------|--|----------------------------------|----------------------------------------|-------------------------|--------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                               |  | DWN<br>B.S.VISWESWARA<br>10FEB05 | TE Connectivity                        |                         |                    |  |
| DIMENSIONS:<br>mm [INCHES]                                                           |  | CHK<br>M.SARVER                  |                                        |                         |                    |  |
|                                                                                      |  | APVD<br>M.SARVER                 | NAME<br><br>DIP SWITCH, ADE-SMT SERIES |                         |                    |  |
|                                                                                      |  | PRODUCT SPEC                     |                                        |                         |                    |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                                               |  | APPLICATION SPEC                 | SIZE<br>A2                             |                         |                    |  |
| 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± 0.30[.012]<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - |  | FINISH<br>-                      |                                        |                         |                    |  |
| MATERIAL<br>-                                                                        |  | WEIGHT<br>-                      | CAGE CODE<br>-                         | DRAWING NO<br>C=1825058 | RESTRICTED TO<br>- |  |
| CUSTOMER DRAWING                                                                     |  |                                  | SCALE<br>4:1                           | SHEET<br>1 OF 3         | REV<br>T           |  |

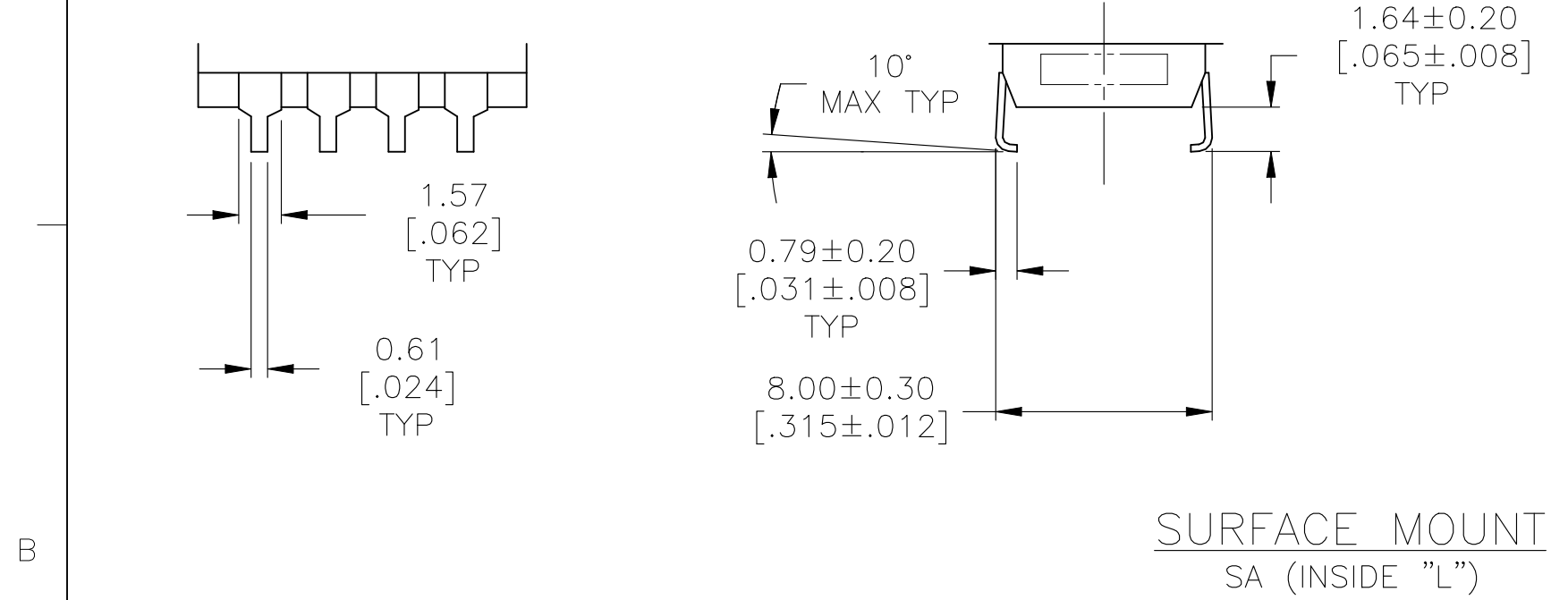
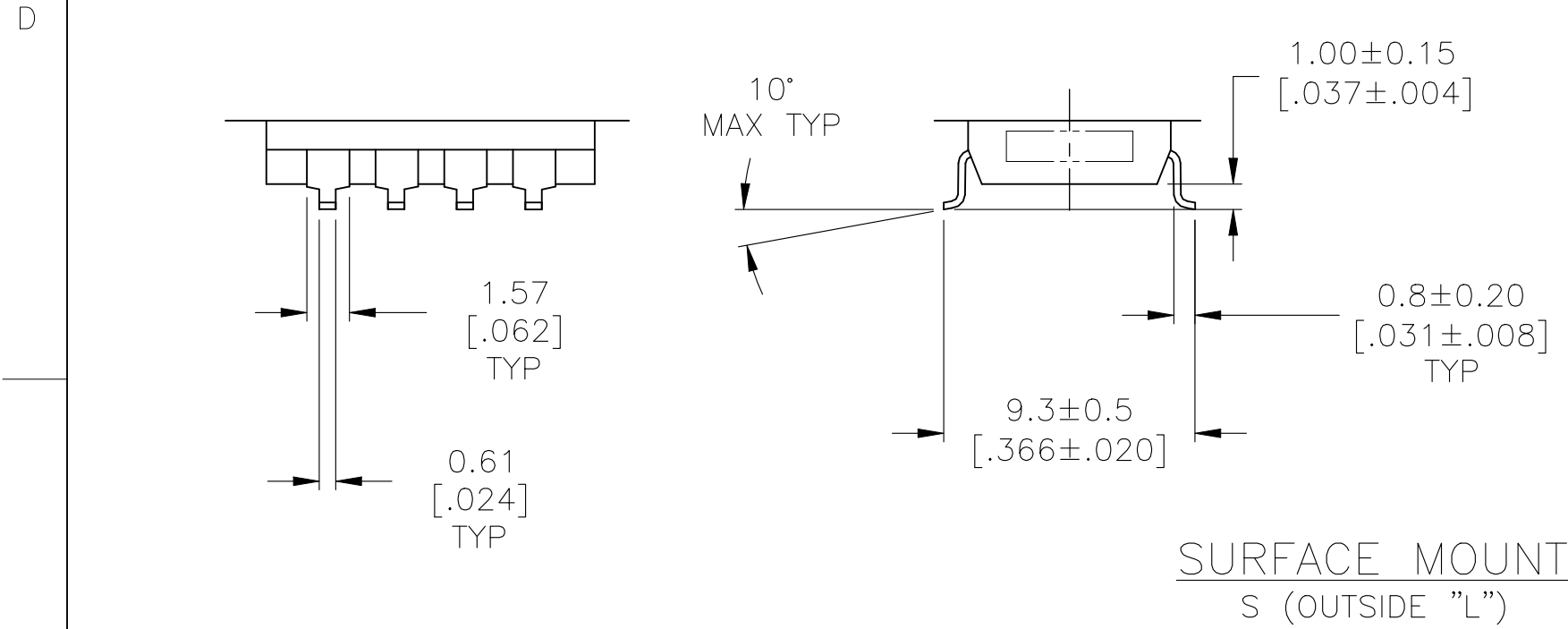
| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -         | -   | SEE SHEET 1 | -    | -   | -    |

D

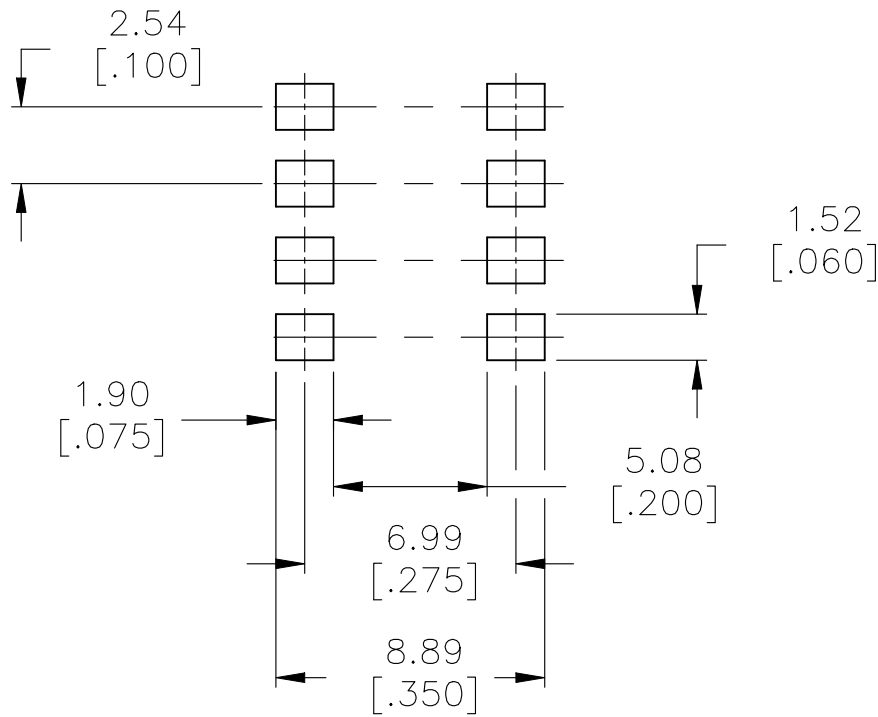
C

B

A



RECOMMENDED PAD LAYOUT



RECOMMENDED PAD LAYOUT

7  
OBSOLETE

OBSOLETE

OBSOLETE

OBSOLETE

6  
OBSOLETE

OBSOLETE

|             |       |         |          |             |
|-------------|-------|---------|----------|-------------|
| ADE12STR04  | 32.51 | [1.280] | 12       | 4-1825058-1 |
| ADE10STR04  | 27.30 | [1.075] | 10       | 4-1825058-0 |
| ADE09STR04  | 24.54 | [.978]  | 9        | 3-1825058-9 |
| ADE08STR04  | 22.30 | [.878]  | 8        | 3-1825058-8 |
| ADE07STR04  | 19.76 | [.778]  | 7        | 3-1825058-7 |
| ADE06STR04  | 17.22 | [.678]  | 6        | 3-1825058-6 |
| ADE05STR04  | 14.68 | [.578]  | 5        | 3-1825058-5 |
| ADE04STR04  | 12.14 | [.478]  | 4        | 3-1825058-4 |
| ADE03STR04  | 9.60  | [.378]  | 3        | 3-1825058-3 |
| ADE02STR04  | 7.00  | [.276]  | 2        | 3-1825058-2 |
| ADE04SATR04 | 12.14 | [.478]  | 4        | 3-1825058-1 |
| ADE12SB04   | 32.51 | [1.280] | 12       | 3-1825058-0 |
| ADE12SA04   | 32.51 | [1.280] | 12       | 2-1825058-9 |
| ADE12S04    | 32.51 | [1.280] | 12       | 2-1825058-8 |
| ADE10SB04   | 27.30 | [1.075] | 10       | 2-1825058-7 |
| ADE10SA04   | 27.30 | [1.075] | 10       | 2-1825058-6 |
| ADE10S04    | 27.30 | [1.075] | 10       | 2-1825058-5 |
| ADE09SB04   | 24.54 | [.978]  | 9        | 2-1825058-4 |
| ADE09SA04   | 24.54 | [.978]  | 9        | 2-1825058-3 |
| ADE09S04    | 24.54 | [.978]  | 9        | 2-1825058-2 |
| ADE08SB04   | 22.30 | [.878]  | 8        | 2-1825058-1 |
| ADE08SA04   | 22.30 | [.878]  | 8        | 2-1825058-0 |
| ADE08S04    | 22.30 | [.878]  | 8        | 1-1825058-9 |
| ADE07SB04   | 19.76 | [.778]  | 7        | 1-1825058-8 |
| ADE07SA04   | 19.76 | [.778]  | 7        | 1-1825058-7 |
| ADE07S04    | 19.76 | [.778]  | 7        | 1-1825058-6 |
| ADE06SB04   | 17.22 | [.678]  | 6        | 1-1825058-5 |
| ADE06SA04   | 17.22 | [.678]  | 6        | 1-1825058-4 |
| ADE06S04    | 17.22 | [.678]  | 6        | 1-1825058-3 |
| ADE05SB04   | 14.68 | [.578]  | 5        | 1-1825058-2 |
| ADE05SA04   | 14.68 | [.578]  | 5        | 1-1825058-1 |
| ADE05S04    | 14.68 | [.578]  | 5        | 1-1825058-0 |
| ADE04SB04   | 12.14 | [.478]  | 4        | 1825058-9   |
| ADE04SA04   | 12.14 | [.478]  | 4        | 1825058-8   |
| ADE04S04    | 12.14 | [.478]  | 4        | 1825058-7   |
| ADE03SB04   | 9.60  | [.378]  | 3        | 1825058-6   |
| ADE03SA04   | 9.60  | [.378]  | 3        | 1825058-5   |
| ADE03S04    | 9.60  | [.378]  | 3        | 1825058-4   |
| ADE02SB04   | 7.00  | [.276]  | 2        | 1825058-3   |
| ADE02SA04   | 7.00  | [.276]  | 2        | 1825058-2   |
| ADE02S04    | 7.00  | [.276]  | 2        | 1825058-1   |
| T&B P/N     |       | DIM L   | POSITION | PART NO.    |

|                                        |                                                                                                                                 |                                  |                                        |                    |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                                                                                 | DWN<br>B.S.VISWESWARA<br>10FEB05 | TE Connectivity                        |                    |
| DIMENSIONS:<br>mm [INCHES]             |                                                                                                                                 | CHK<br>M.SARVER                  |                                        |                    |
|                                        | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ± -<br>1 PLC ± -<br>2 PLC ± 0.30 [.012]<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - | APVD<br>M.SARVER                 | NAME<br><br>DIP SWITCH, ADE-SMT SERIES |                    |
|                                        |                                                                                                                                 | PRODUCT SPEC                     |                                        |                    |
|                                        |                                                                                                                                 | APPLICATION SPEC                 |                                        |                    |
| MATERIAL<br>-                          | FINISH<br>-                                                                                                                     | WEIGHT<br>-                      | SIZE<br>A2                             | CAGE CODE<br>-     |
|                                        |                                                                                                                                 | CUSTOMER DRAWING                 | DRAWING NO<br>C=1825058                | RESTRICTED TO<br>- |
|                                        |                                                                                                                                 | SCALE<br>4:1                     | SHEET<br>2 of 3                        | REV<br>T           |

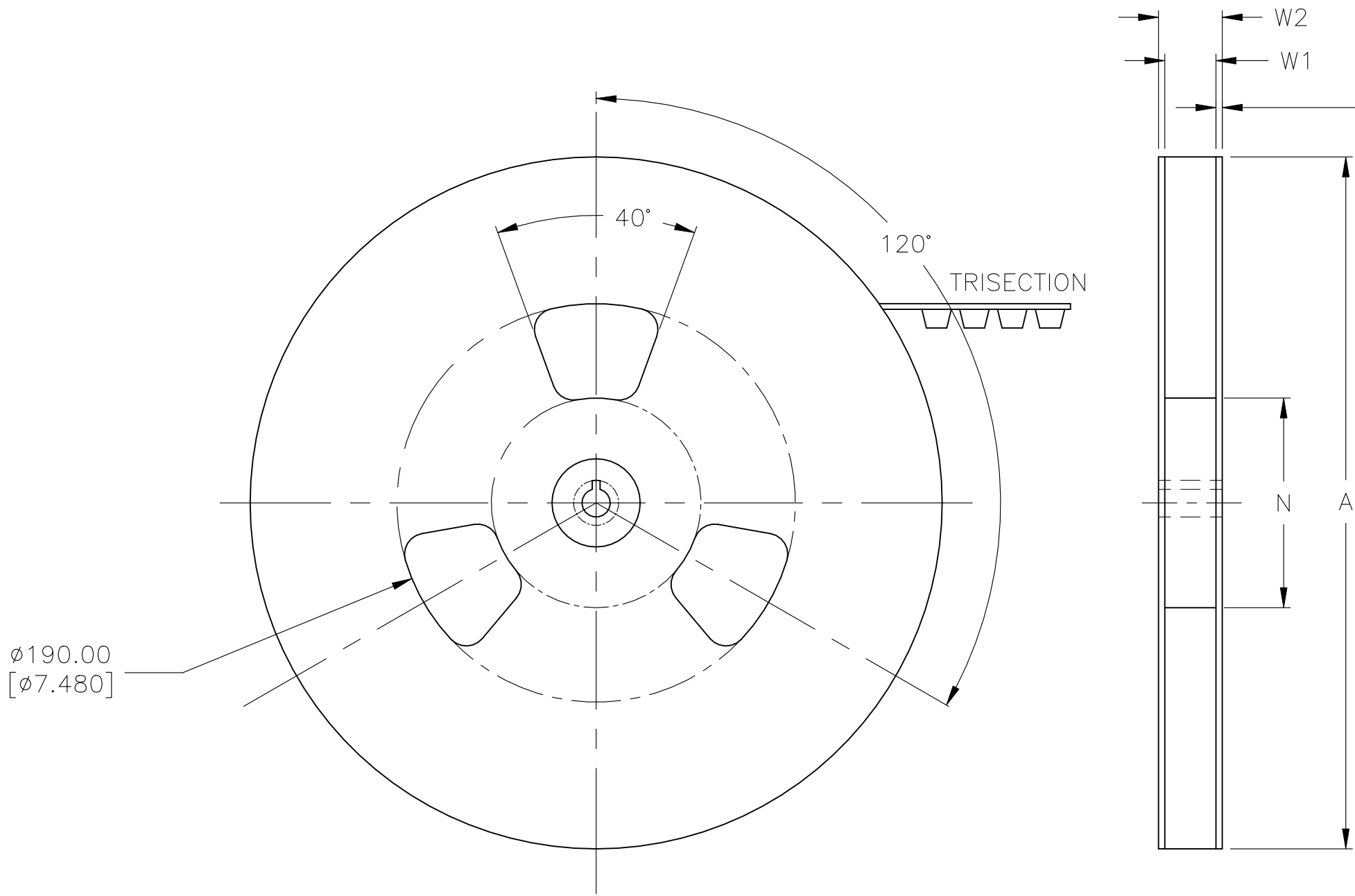
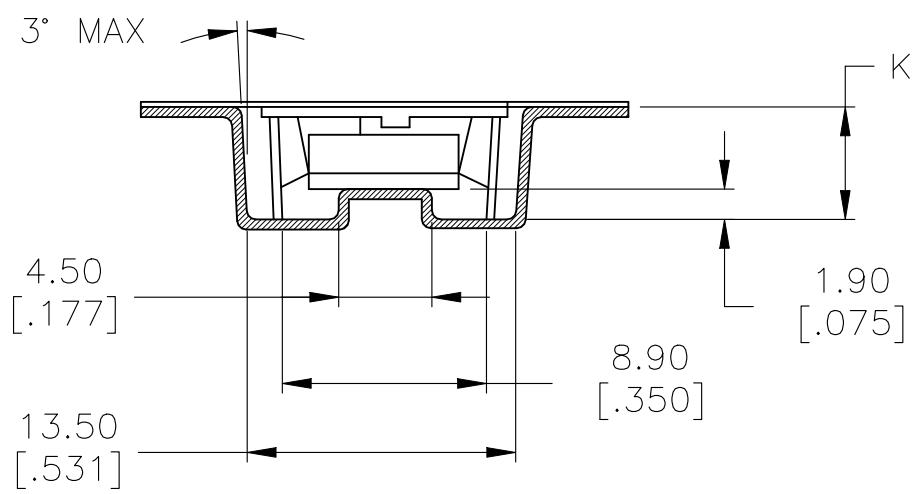
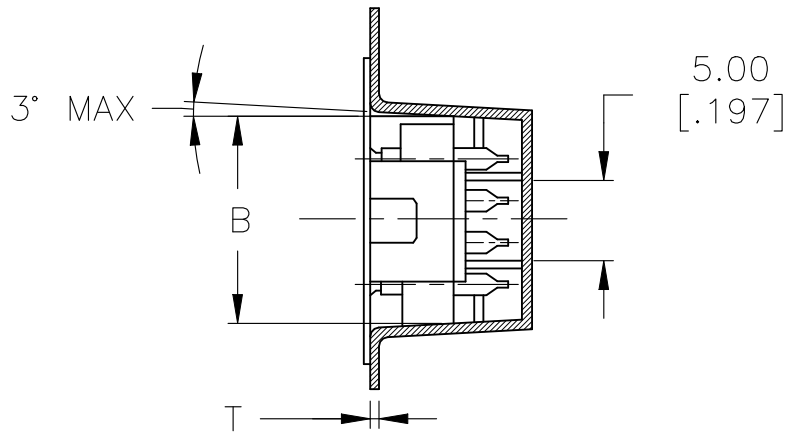
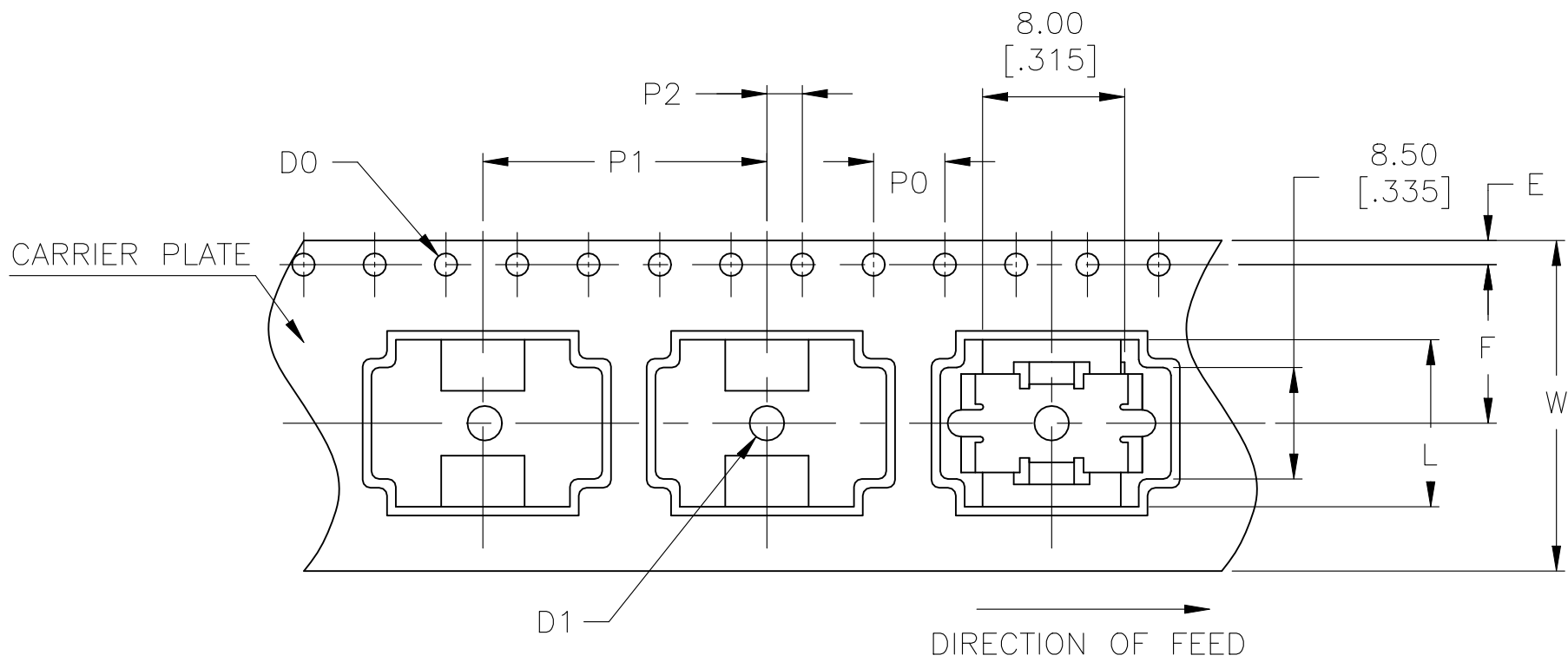
| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|           | -   | SEE SHEET 1 | -    | -   | -    |

D

C

B

A



|   | DESCRIPTION       | MATERIAL                           | DIMENSION          | FINISH     | REMARKS     |
|---|-------------------|------------------------------------|--------------------|------------|-------------|
| 1 | REEL              | SIDE: CARDBOARD<br>CORE: STYLOFOAM | MENTIONED<br>BELOW |            |             |
| 2 | EMBOSSSED<br>TAPE | -                                  | MENTIONED<br>BELOW | ANTISTATIC | BLACK       |
| 3 | TOP COVER<br>TAPE | -                                  | MENTIONED<br>BELOW | ANTISTATIC | TRANSPARENT |

|                   |                               |                 |                                       |                  |
|-------------------|-------------------------------|-----------------|---------------------------------------|------------------|
| 4P                | ø330.00±2.10<br>[12.992±.082] | ø100<br>[3.940] | 24.40 +2.00<br>[.960 +.798]<br>[.000] | 30.40<br>[1.997] |
| NO OF<br>POSITION | A                             | N (MIN)         | W1                                    | W2 (MAX)         |

|                   |                                      |                          |                           |                          |                           |                          |
|-------------------|--------------------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|
| 4P                | ø1.50 +0.10<br>[.059+.003]<br>[.000] | 4.00±0.10<br>[.157±.003] | 16.00±0.10<br>[.629±.003] | 2.00±0.15<br>[.078±.005] | 11.50±0.10<br>[.453±.003] | 7.40±0.10<br>[.291±.003] |
| NO OF<br>POSITION | D1                                   | P0                       | P1                        | P2                       | F                         | K                        |

|                   |                           |                           |                          |                          |                           |                                     |
|-------------------|---------------------------|---------------------------|--------------------------|--------------------------|---------------------------|-------------------------------------|
| 4P                | 24.00±0.30<br>[.944±.011] | 12.90±0.10<br>[.507±.003] | 1.75±0.10<br>[.068±.003] | 0.50±0.05<br>[.020±.001] | 12.14±0.50<br>[.477±.020] | ø1.50+0.10<br>[.059+.003]<br>[.000] |
| NO OF<br>POSITION | W                         | B                         | E                        | T                        | L                         | DO                                  |

|                                        |  |                                  |                                        |                 |                    |                         |
|----------------------------------------|--|----------------------------------|----------------------------------------|-----------------|--------------------|-------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>B.S.VISWESWARA<br>10FEB05 | TE Connectivity                        |                 |                    |                         |
| DIMENSIONS:<br>mm [INCHES]             |  | CHK<br>M.SARVER                  |                                        |                 |                    |                         |
|                                        |  | APVD<br>M.SARVER                 | NAME<br><br>DIP SWITCH, ADE-SMT SERIES |                 |                    |                         |
|                                        |  | PRODUCT SPEC                     |                                        |                 |                    |                         |
| MATERIAL<br>-                          |  | APPLICATION SPEC                 | SIZE<br>A2                             |                 | CAGE CODE<br>-     | DRAWING NO<br>C=1825058 |
|                                        |  | FINISH<br>-                      | WEIGHT                                 |                 | RESTRICTED TO<br>- |                         |
| CUSTOMER DRAWING                       |  |                                  | SCALE<br>4:1                           | SHEET<br>3 OF 3 | REV<br>T           |                         |

D

C

1825058

B

A