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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

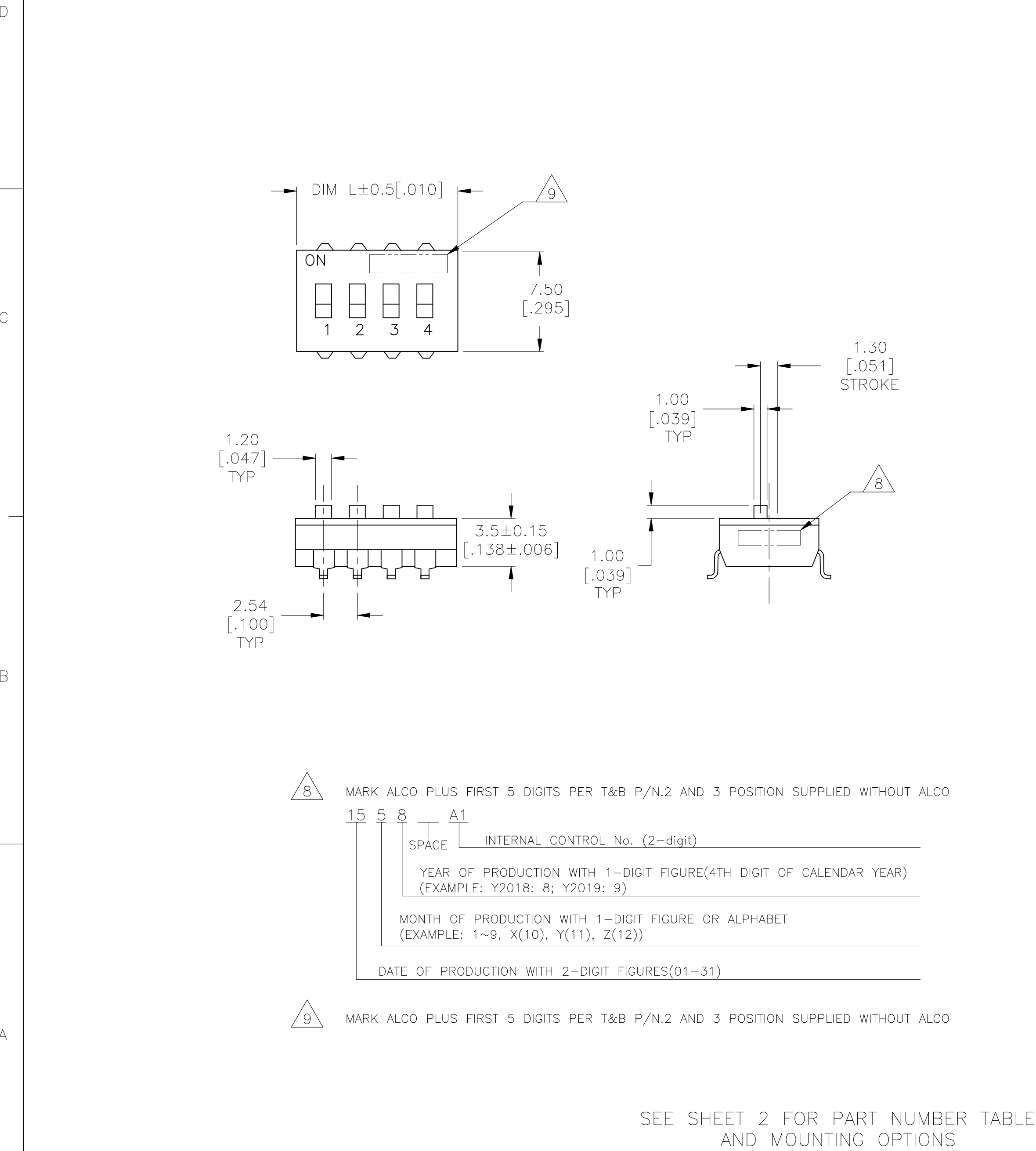
MECHANICAL

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.



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

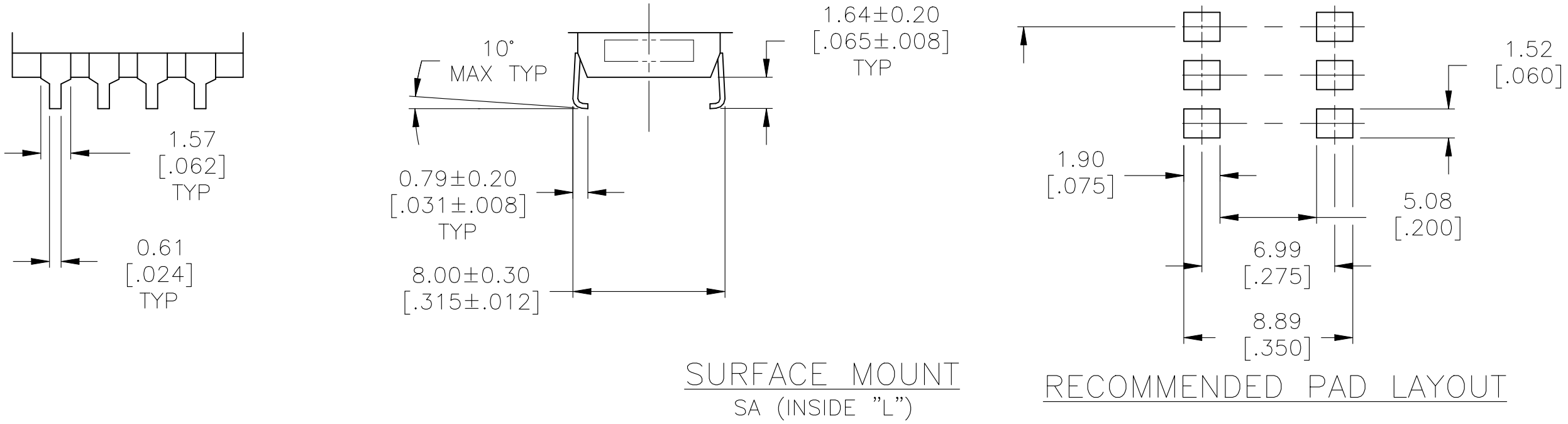
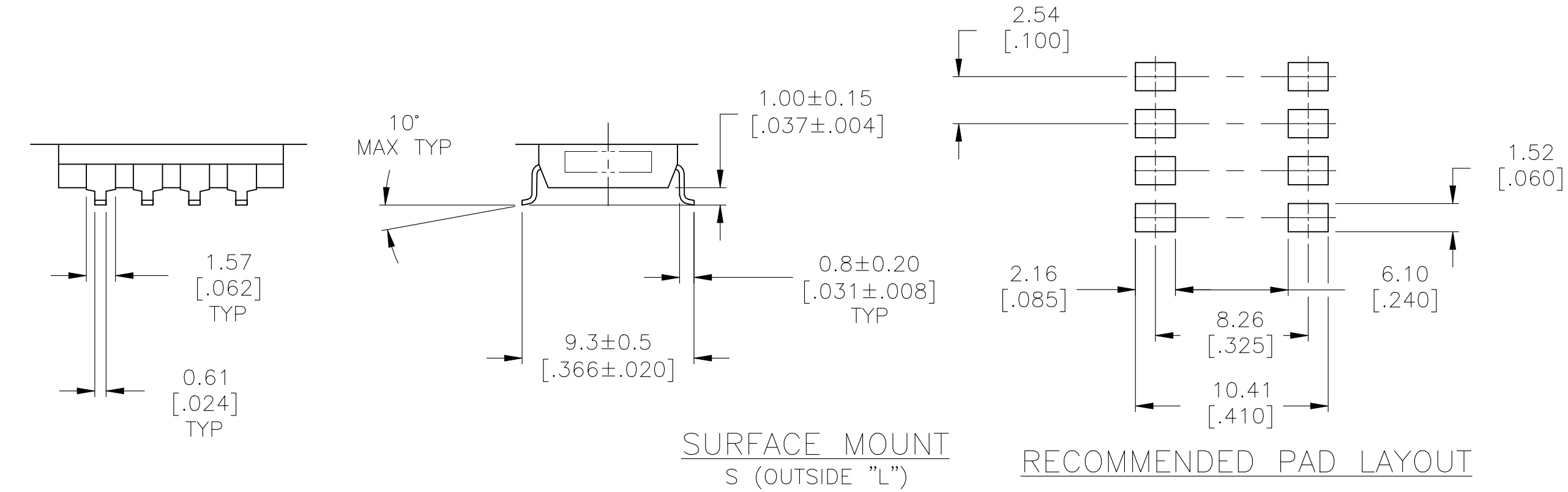
| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|           | –   | SEE SHEET 1 | –    | –   | –    |

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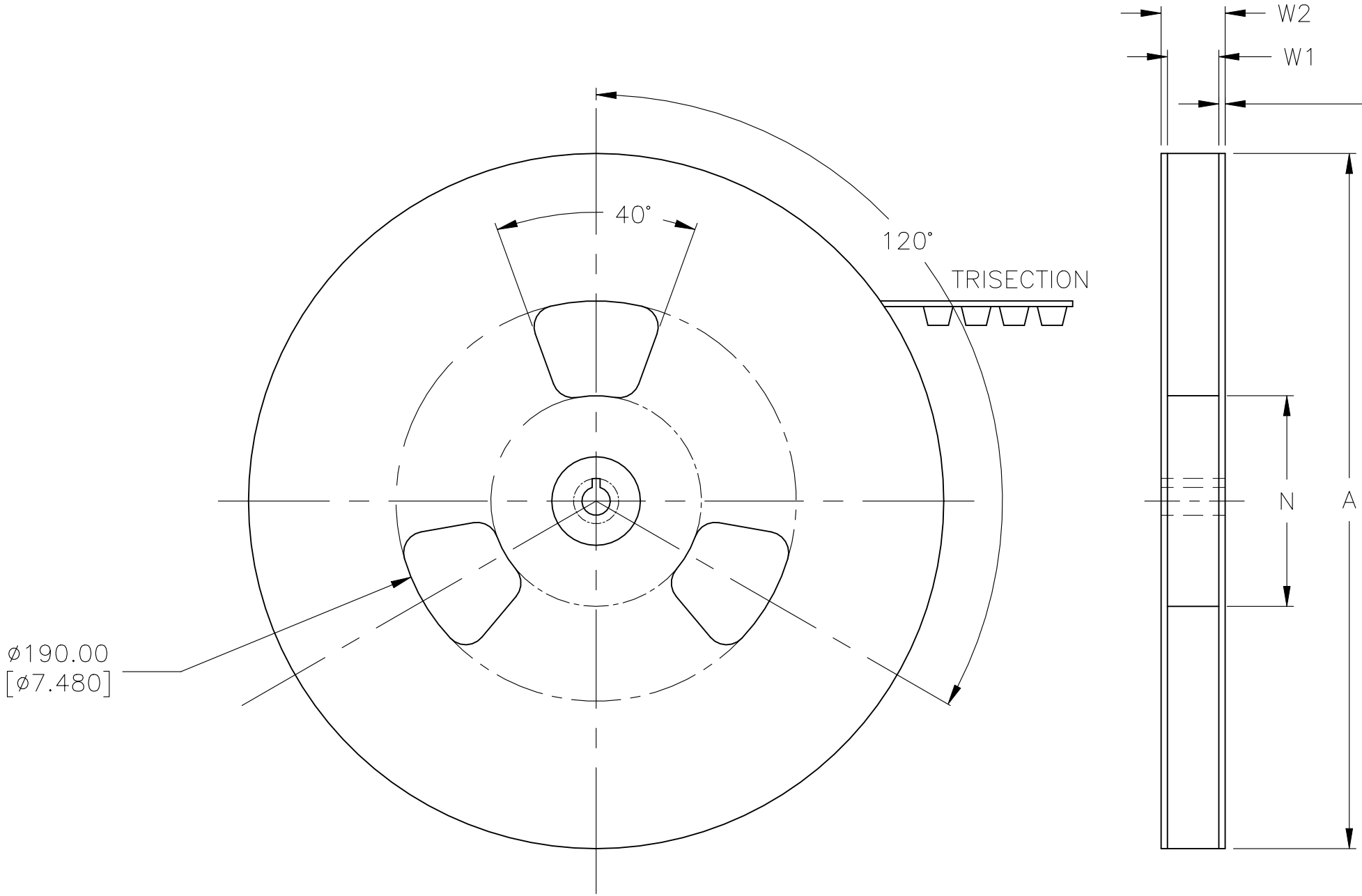
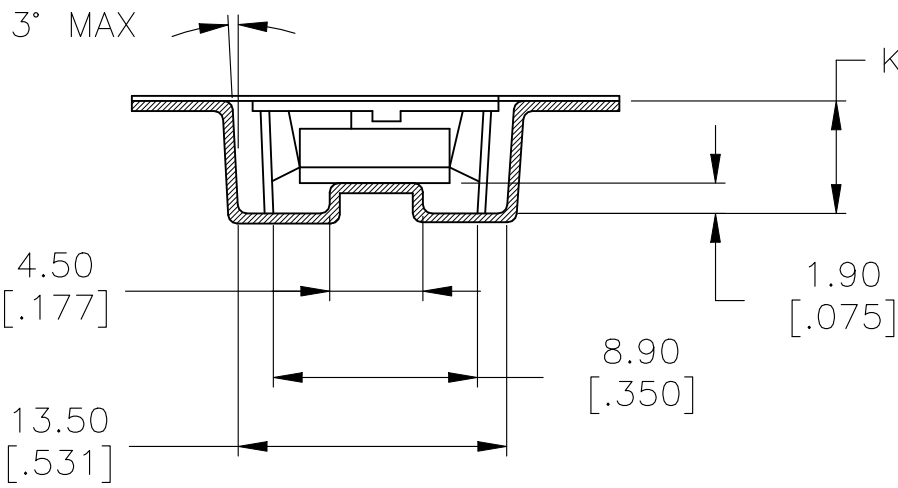
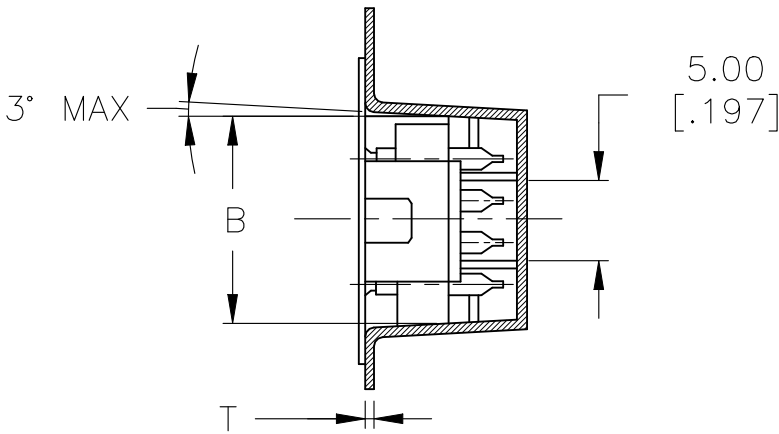
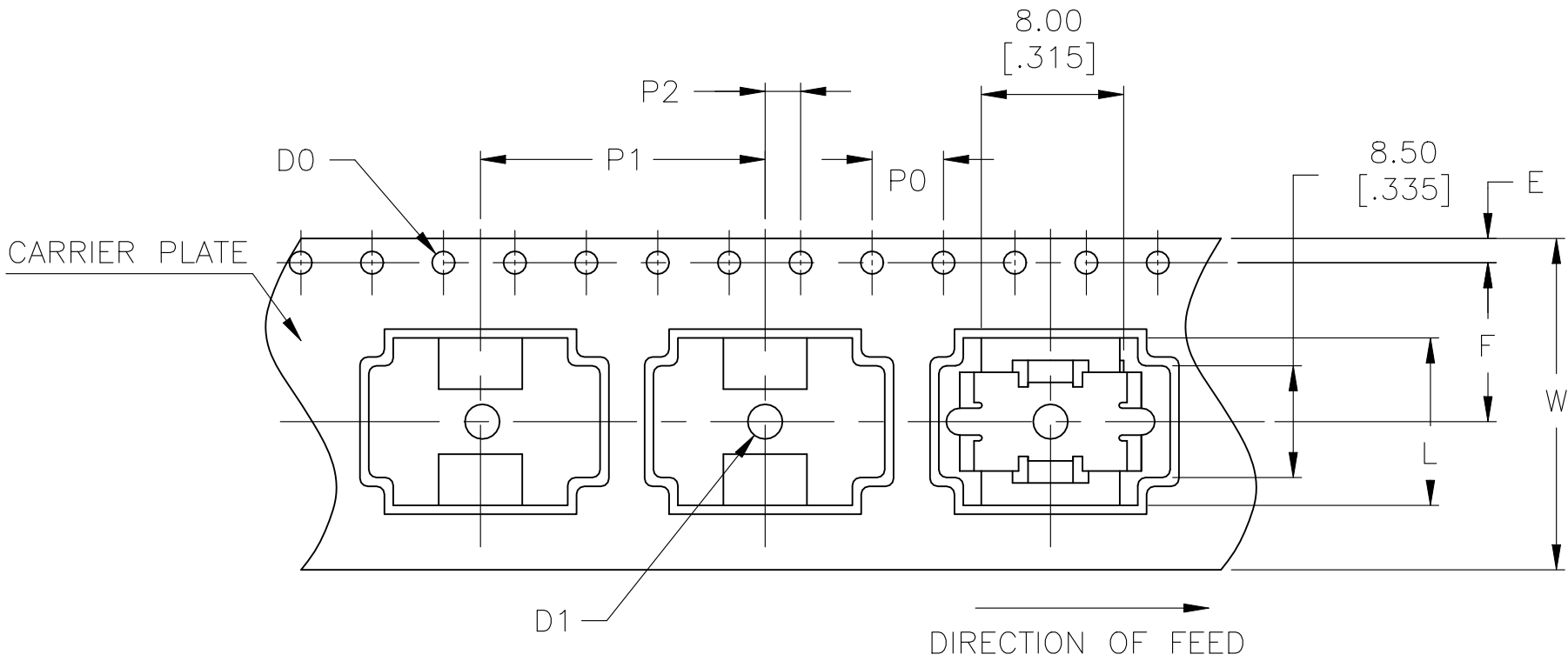


RECOMMENDED PAD LAYOUT

RECOMMENDED PAD LAYOUT

|                                  |             |              |          |             |
|----------------------------------|-------------|--------------|----------|-------------|
|                                  | 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 |
| <div>7</div> <div>OBSOLETE</div> | 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 |
| <div>OBSOLETE</div>              | 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 |
| <div>OBSOLETE</div>              | 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 |
| <div>OBSOLETE</div>              | 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   |
| <div>6</div> <div>OBSOLETE</div> | ADE03SB04   | 9.60[.378]   | 3        | 1825058–6   |
|                                  | ADE03SA04   | 9.60[.378]   | 3        | 1825058–5   |
|                                  | ADE03S04    | 9.60[.378]   | 3        | 1825058–4   |
| <div>OBSOLETE</div>              | 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 | <div><div>TE</div>TE Connectivity</div> |                         |
| DIMENSIONS:<br>mm [INCHES]             |                                                                                      | CHK<br>M.SARVER                  |                                         |                         |
|                                        | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                               | APVD<br>M.SARVER                 | NAME<br><br>DIP SWITCH, ADE–SMT SERIES  |                         |
|                                        | 0 PLC ± –<br>1 PLC ± –<br>2 PLC ± 0.30[.012]<br>3 PLC ± –<br>4 PLC ± –<br>ANGLES ± – | PRODUCT SPEC<br>–                |                                         |                         |
|                                        | FINISH<br>–                                                                          | APPLICATION SPEC<br>–            |                                         |                         |
| MATERIAL<br>–                          | WEIGHT<br>–                                                                          | SIZE<br>A2                       | CAGE CODE<br>–                          | DRAWING NO<br>C=1825058 |
| CUSTOMER DRAWING                       |                                                                                      |                                  | RESTRICTED TO<br>–                      | SCALE<br>4:1            |
|                                        |                                                                                      |                                  | SHEET<br>2 OF 3                         | REV<br>T                |



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

|                |                                           |                       |                                           |                  |
|----------------|-------------------------------------------|-----------------------|-------------------------------------------|------------------|
| 4P             | $\phi 330.00 \pm 2.10$<br>[12.992 ± .082] | $\phi 100$<br>[3.940] | $24.40^{+2.00}_0$<br>[.960 $^{+.798}_0$ ] | 30.40<br>[1.997] |
| NO OF POSITION | A                                         | N (MIN)               | W1                                        | W2 (MAX)         |

|                |                                               |                                  |                                   |                                  |                                   |                                  |
|----------------|-----------------------------------------------|----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|
| 4P             | $\phi 1.50^{+0.10}_0$<br>[.059 $^{+.003}_0$ ] | $4.00 \pm 0.10$<br>[.157 ± .003] | $16.00 \pm 0.10$<br>[.629 ± .003] | $2.00 \pm 0.15$<br>[.078 ± .005] | $11.50 \pm 0.10$<br>[.453 ± .003] | $7.40 \pm 0.10$<br>[.291 ± .003] |
| NO OF POSITION | D1                                            | P0                               | P1                                | P2                               | F                                 | K                                |

|                |                                   |                                   |                                  |                                  |                                   |                                               |
|----------------|-----------------------------------|-----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------------------|
| 4P             | $24.00 \pm 0.30$<br>[.944 ± .011] | $12.90 \pm 0.10$<br>[.507 ± .003] | $1.75 \pm 0.10$<br>[.068 ± .003] | $0.50 \pm 0.05$<br>[.020 ± .001] | $12.14 \pm 0.50$<br>[.477 ± .020] | $\phi 1.50^{+0.10}_0$<br>[.059 $^{+.003}_0$ ] |
| NO OF POSITION | W                                 | B                                 | E                                | T                                | L                                 | DO                                            |

|                                        |  |                       |                  |  |  |  |
|----------------------------------------|--|-----------------------|------------------|--|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>B.S.VISWESWARA | 10FEB05          |  |  |  |
| DIMENSIONS:<br>mm [INCHES]             |  | CHK<br>M.SARVER       | -                |  |  |  |
|                                        |  | APVD<br>M.SARVER      | -                |  |  |  |
|                                        |  | PRODUCT SPEC          | -                |  |  |  |
| MATERIAL<br>-                          |  | FINISH<br>-           | WEIGHT           |  |  |  |
|                                        |  |                       | CUSTOMER DRAWING |  |  |  |
|                                        |  |                       | SCALE 4:1        |  |  |  |
|                                        |  |                       | SHEET 3 OF 3     |  |  |  |
|                                        |  |                       | REV T            |  |  |  |

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