

|                              |                          |                   |
|------------------------------|--------------------------|-------------------|
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| REVISIONS |     |                           |           |     |      |
|-----------|-----|---------------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|           | S2  | REVISED PER ECO-15-006450 | 28APR2015 | NK  | RH   |
|           | S3  | REVISED PER ECO-16-018654 | 15MAY2017 | RK  | PO   |
|           | S4  | REVISED PER ECO-17-012597 | 27OCT2017 | RK  | PO   |

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

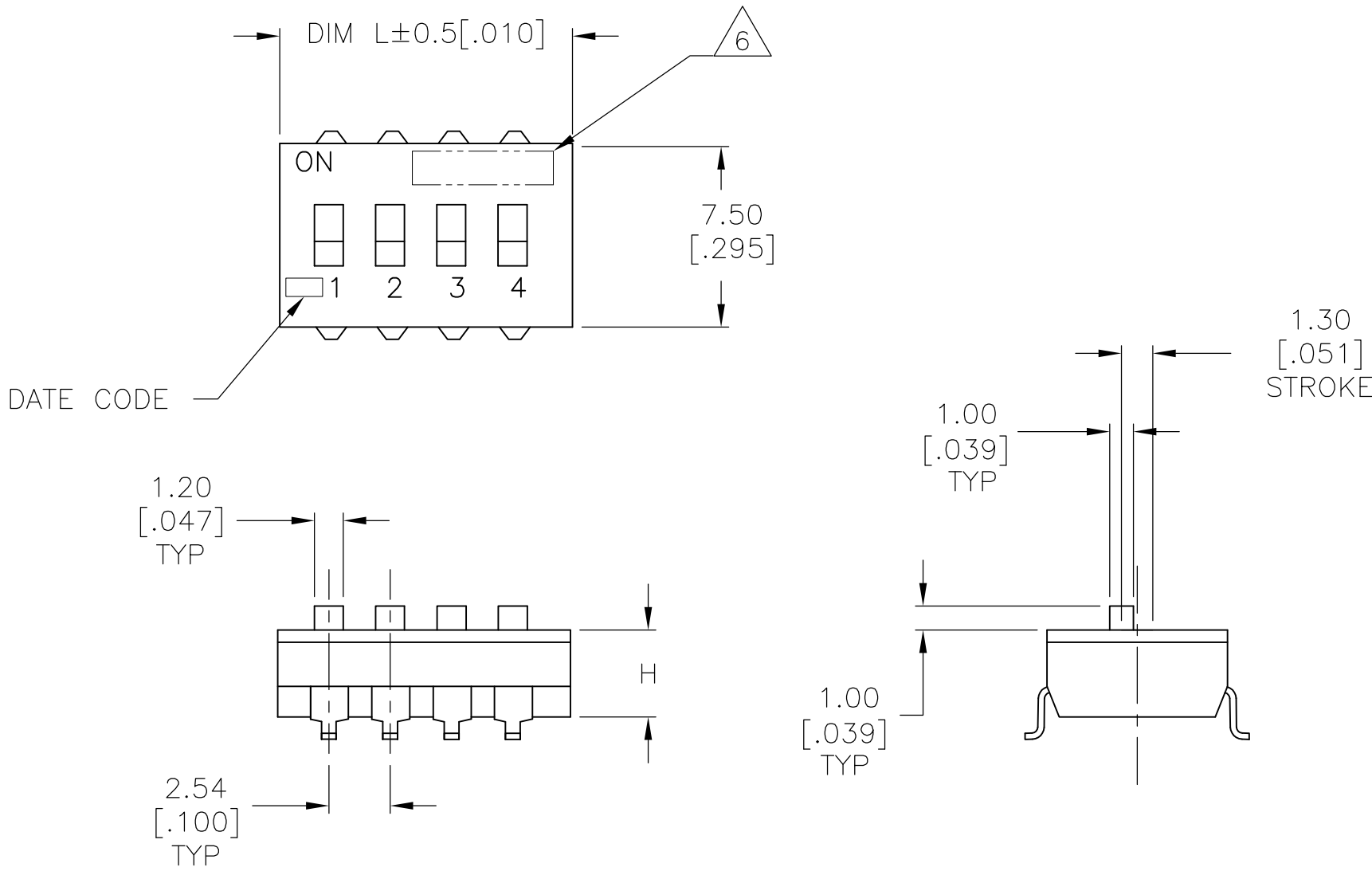
ELECTRICAL  
MAX CONTACT RATING SWITCHING, 100MILLIAMPER @ 24 VDC  
MIN CONTACT RATING SWITCHING, .1MICROAMP @ 1 MILLIVOLT  
MAX CONTACT NON-SWITCHING, 1AMP @ 5 VDC  
INITIAL CONTACT RESISTANCE, 50 MILLIOHMS MAX.  
CONTACT RESISTANCE (AFTER ENVIRONMENTAL TEST), 100 MILLIOHMS  
CONTACT RESISTANCE (AFTER 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

- 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.

SEE SHEET 2 FOR PART NUMBER TABLE  
AND MOUNTING OPTIONS



|                                                                                       |  |                       |         |                                    |                    |
|---------------------------------------------------------------------------------------|--|-----------------------|---------|------------------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>B.S.VISWESWARA | 10FEB05 | TE Connectivity                    |                    |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | CHK<br>M.SARVER       | -       |                                    |                    |
|                                                                                       |  | APVD<br>M.SARVER      | -       | NAME<br>DIP SWITCH, ADE-SMT SERIES |                    |
|                                                                                       |  | PRODUCT SPEC          | -       |                                    |                    |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                |  | APPLICATION SPEC      | -       | SIZE<br>A2                         | CAGE CODE<br>-     |
| 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± 0.30[0.012]<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - |  | WEIGHT                | -       | DRAWING NO<br>C=1825058            | RESTRICTED TO<br>- |
| MATERIAL<br>-                                                                         |  | CUSTOMER DRAWING      |         | SCALE<br>4:1                       | SHEET<br>1 OF 3    |
|                                                                                       |  |                       |         | REV<br>S4                          |                    |

D

C

B

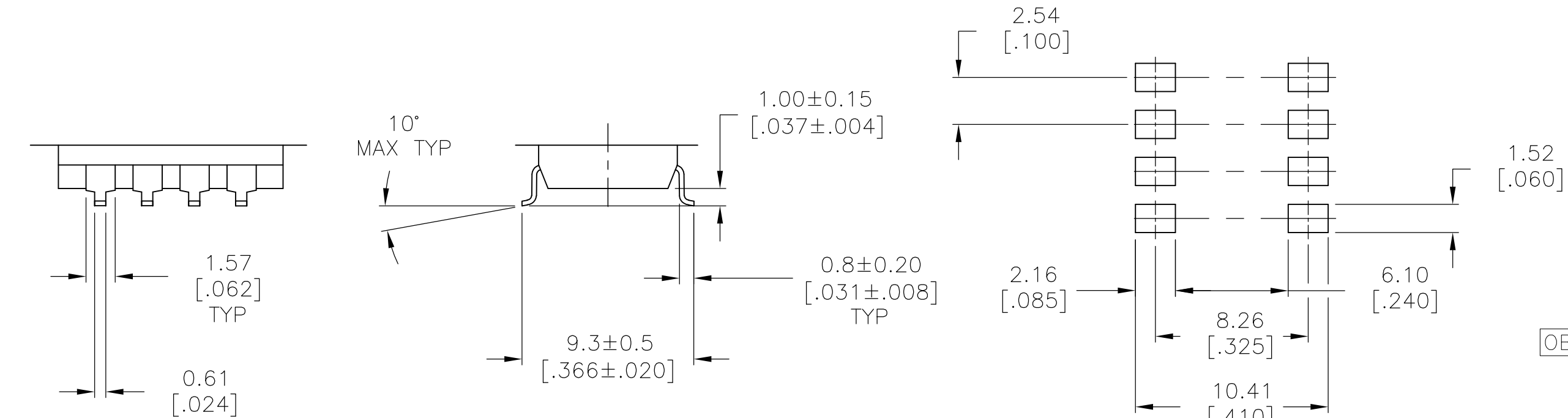
A

D

C

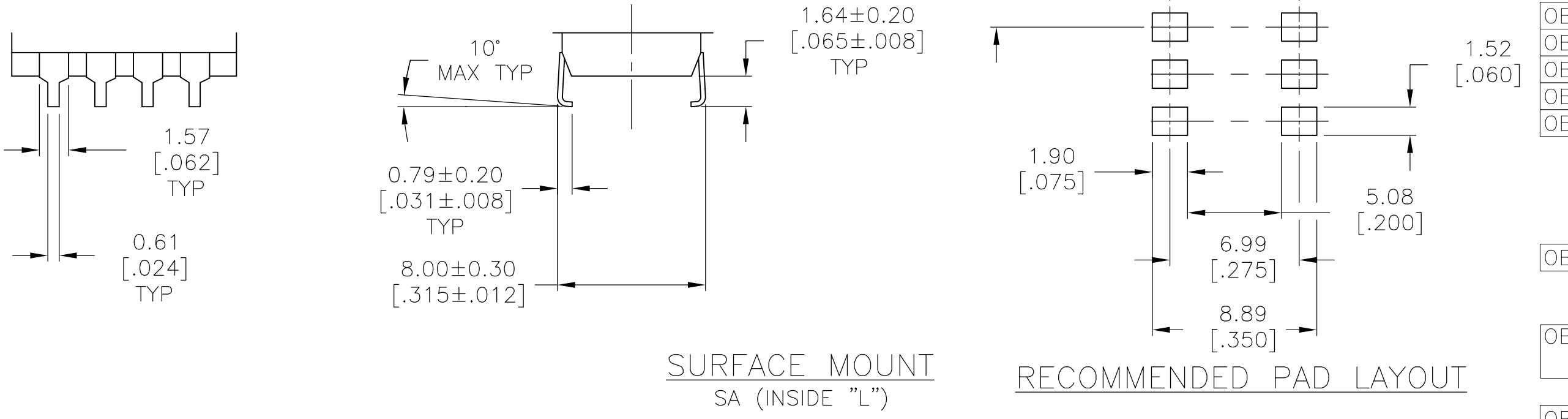
B

A



SURFACE MOUNT  
S (OUTSIDE "L")

RECOMMENDED PAD LAYOUT



SURFACE MOUNT  
SA (INSIDE "L")

RECOMMENDED PAD LAYOUT

|                                                                                       |             |       |        |       |          |          |             |
|---------------------------------------------------------------------------------------|-------------|-------|--------|-------|----------|----------|-------------|
| OBSOLETE                                                                              | ADE12STR04  | 3.61  | [.142] | 32.51 | [1.280]  | 12       | 4-1825058-1 |
|                                                                                       | ADE10STR04  | 3.50  | [.138] | 27.30 | [1.075]  | 10       | 4-1825058-0 |
|                                                                                       | ADE09STR04  | 3.50  | [.138] | 24.54 | [.978]   | 9        | 3-1825058-9 |
|                                                                                       | ADE08STR04  | 3.50  | [.138] | 22.30 | [.878]   | 8        | 3-1825058-8 |
| OBSOLETE                                                                              | ADE07STR04  | 3.50  | [.138] | 19.76 | [.778]   | 7        | 3-1825058-7 |
|                                                                                       | ADE06STR04  | 3.50  | [.138] | 17.22 | [.678]   | 6        | 3-1825058-6 |
| OBSOLETE                                                                              | ADE05STR04  | 3.50  | [.138] | 14.68 | [.578]   | 5        | 3-1825058-5 |
| OBSOLETE                                                                              | ADE04STR04  | 3.50  | [.138] | 12.14 | [.478]   | 4        | 3-1825058-4 |
| OBSOLETE                                                                              | ADE03STR04  | 3.50  | [.138] | 9.60  | [.378]   | 3        | 3-1825058-3 |
|    | ADE02STR04  | 3.50  | [.138] | 7.00  | [.276]   | 2        | 3-1825058-2 |
|                                                                                       | ADE04SATR04 | 3.50  | [.138] | 12.14 | [.478]   | 4        | 3-1825058-1 |
| OBSOLETE                                                                              | ADE12SB04   | 3.61  | [.142] | 32.51 | [1.280]  | 12       | 3-1825058-0 |
| OBSOLETE                                                                              | ADE12SA04   | 3.61  | [.142] | 32.51 | [1.280]  | 12       | 2-1825058-9 |
| OBSOLETE                                                                              | ADE12S04    | 3.61  | [.142] | 32.51 | [1.280]  | 12       | 2-1825058-8 |
| OBSOLETE                                                                              | ADE10SB04   | 3.50  | [.138] | 27.30 | [1.075]  | 10       | 2-1825058-7 |
| OBSOLETE                                                                              | ADE10SA04   | 3.50  | [.138] | 27.30 | [1.075]  | 10       | 2-1825058-6 |
|                                                                                       | ADE10S04    | 3.50  | [.138] | 27.30 | [1.075]  | 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 |
| OBSOLETE                                                                              | 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 |
|  | 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 |
| OBSOLETE                                                                              | ADE06SB04   | 3.50  | [.138] | 17.22 | [.678]   | 6        | 1-1825058-5 |
| OBSOLETE                                                                              | ADE06SA04   | 3.50  | [.138] | 17.22 | [.678]   | 6        | 1-1825058-4 |
|                                                                                       | ADE06S04    | 3.50  | [.138] | 17.22 | [.678]   | 6        | 1-1825058-3 |
| OBSOLETE                                                                              | 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   |
| OBSOLETE                                                                              | ADE04SA04   | 3.50  | [.138] | 12.14 | [.478]   | 4        | 1825058-8   |
|                                                                                       | ADE04S04    | 3.50  | [.138] | 12.14 | [.478]   | 4        | 1825058-7   |
| OBSOLETE                                                                              | ADE03SB04   | 3.50  | [.138] | 9.60  | [.378]   | 3        | 1825058-6   |
| OBSOLETE                                                                              | ADE03SA04   | 3.50  | [.138] | 9.60  | [.378]   | 3        | 1825058-5   |
|                                                                                       | ADE03S04    | 3.50  | [.138] | 9.60  | [.378]   | 3        | 1825058-4   |
| OBSOLETE                                                                              | ADE02SB04   | 3.50  | [.138] | 7.00  | [.276]   | 2        | 1825058-3   |
| OBSOLETE                                                                              | ADE02SA04   | 3.50  | [.138] | 7.00  | [.276]   | 2        | 1825058-2   |
|                                                                                       | ADE02S04    | 3.50  | [.138] | 7.00  | [.276]   | 2        | 1825058-1   |
|                                                                                       | T&B P/N     | DIM H |        | DIM L | POSITION | PART NO. |             |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm [INCHES]

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

MATERIAL  
-

FINISH  
-

DWN  
B.S.VISWESWARA

CHK  
M.SARVER

APVD  
M.SARVER

PRODUCT SPEC  
-

APPLICATION SPEC  
-

WEIGHT  
-

CUSTOMER DRAWING

10FEB05

TE Connectivity

NAME  
DIP SWITCH, ADE-SMT SERIES

SIZE  
A2

CAGE CODE  
-

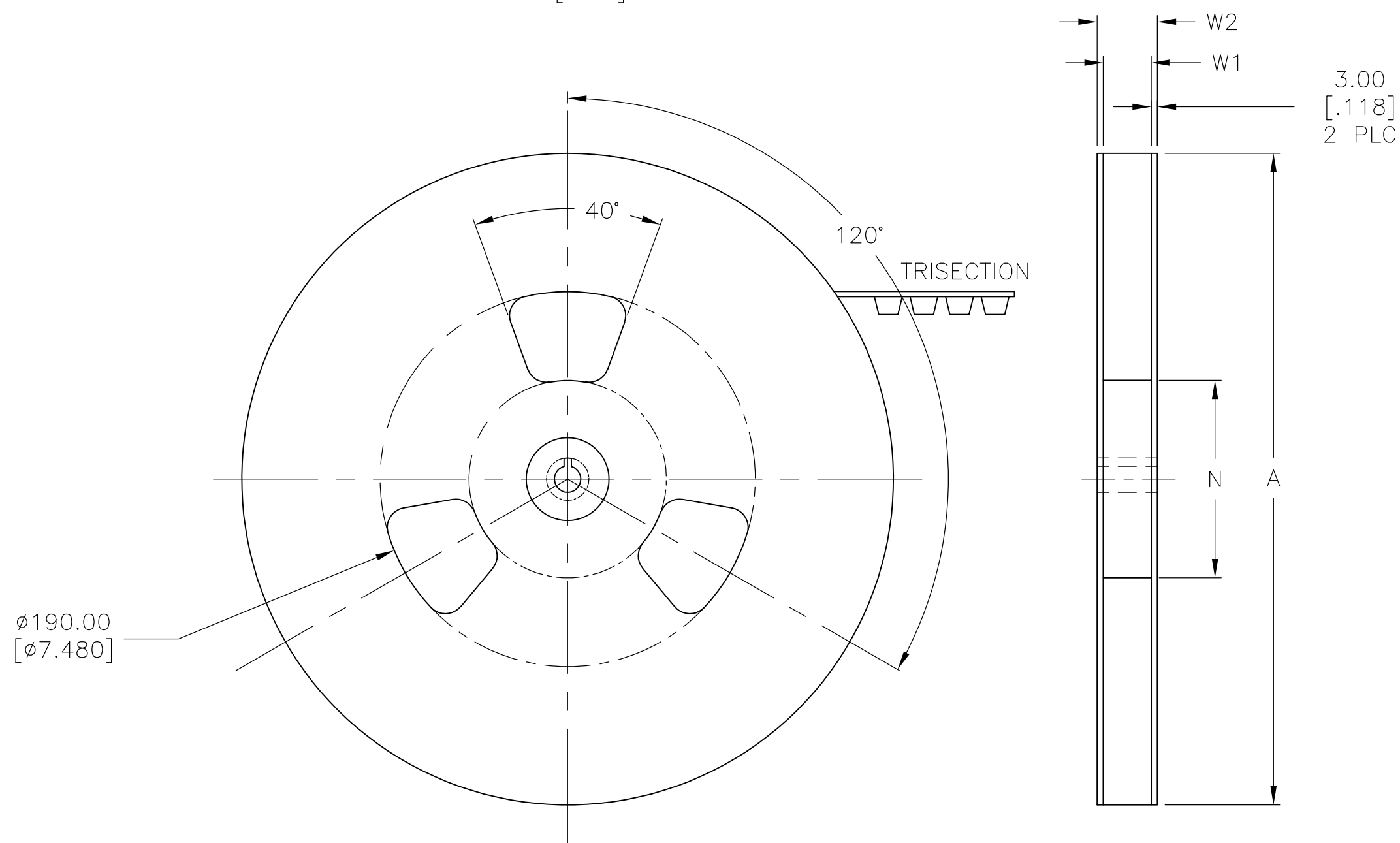
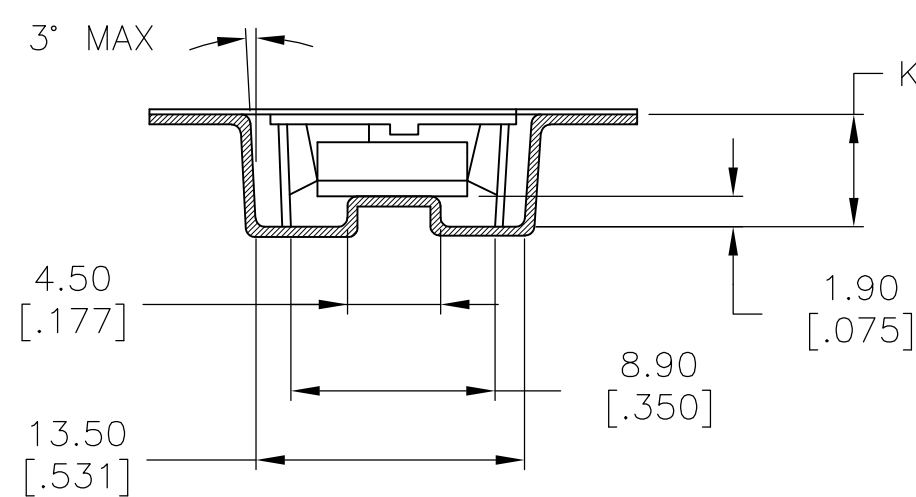
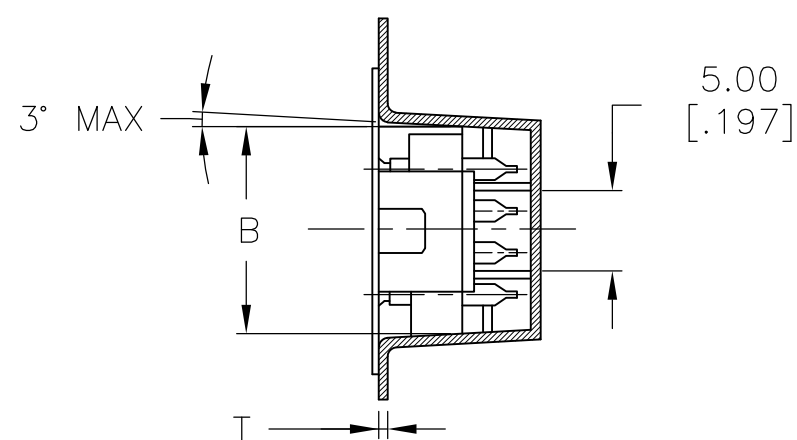
DRAWING NO  
1825058

RESTRICTED TO  
-

SCALE  
4:1

SHEET  
2 of 3

REV  
S4



|   | 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 <sup>+2.00</sup> <sub>-.790</sub><br>[.960 <sup>+2.000</sup> <sub>-.000</sub> ] | 30.40<br>[1.997] |
| NO OF POSITION | A                             | N (MIN)         | W1                                                                                    | W2 (MAX)         |

|                |                                                                                                                                                   |                                      |                                       |                                      |                                       |                                      |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|
| 4P             | $\varnothing 1.50 \begin{smallmatrix} +0.10 \\ 0 \end{smallmatrix}$<br>[ $\varnothing .059 \begin{smallmatrix} +.003 \\ .000 \end{smallmatrix}$ ] | $4.00 \pm 0.10$<br>[.157 $\pm$ .003] | $16.00 \pm 0.10$<br>[.629 $\pm$ .003] | $2.00 \pm 0.15$<br>[.078 $\pm$ .005] | $11.50 \pm 0.10$<br>[.453 $\pm$ .003] | $7.40 \pm 0.10$<br>[.291 $\pm$ .003] |
| NO OF 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 <sup>+0.10</sup> <sub>0</sub><br>[Ø.059 <sup>+0.003</sup> <sub>.000</sub> ] |
| NO OF POSITION | W                         | B                         | E                        | T                        | L                         | DO                                                                                |

|                                                                                       |  |                                           |  |                                                                                                       |           |            |               |     |
|---------------------------------------------------------------------------------------|--|-------------------------------------------|--|-------------------------------------------------------------------------------------------------------|-----------|------------|---------------|-----|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>B.S.VISWESWARA<br>10FEB05          |  |  TE Connectivity |           |            |               |     |
|                                                                                       |  | CHK<br>M.SARVER<br>-                      |  |                                                                                                       |           |            |               |     |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | NAME                                                                                                  |           |            |               |     |
|  |  | API/D<br>M.SARVER<br>-                    |  |                                                                                                       |           |            |               |     |
|                                                                                       |  | PRODUCT SPEC<br>-                         |  | DIP SWITCH, ADE-SMT SERIES                                                                            |           |            |               |     |
|                                                                                       |  | APPLICATION SPEC<br>-                     |  |                                                                                                       |           |            |               |     |
|                                                                                       |  |                                           |  | SIZE                                                                                                  | CAGE CODE | DRAWING NO | RESTRICTED TO |     |
| MATERIAL<br>-                                                                         |  | FINISH<br>-                               |  | A2                                                                                                    | -         | G-1825058  | -             |     |
|                                                                                       |  | CUSTOMER DRAWING                          |  |                                                                                                       |           | SCALE      | SHEET         | REV |
|                                                                                       |  |                                           |  |                                                                                                       |           | 4:1        | 3 of 3        | S4  |



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