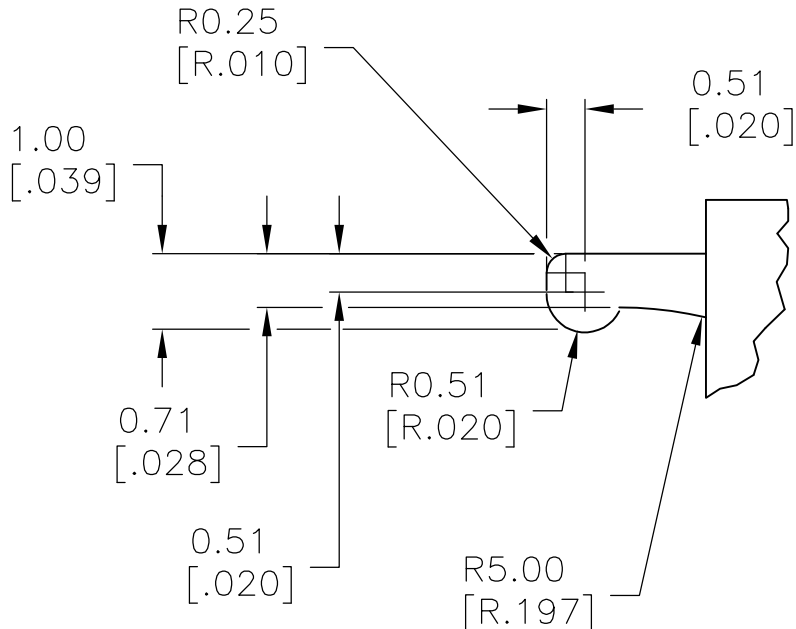
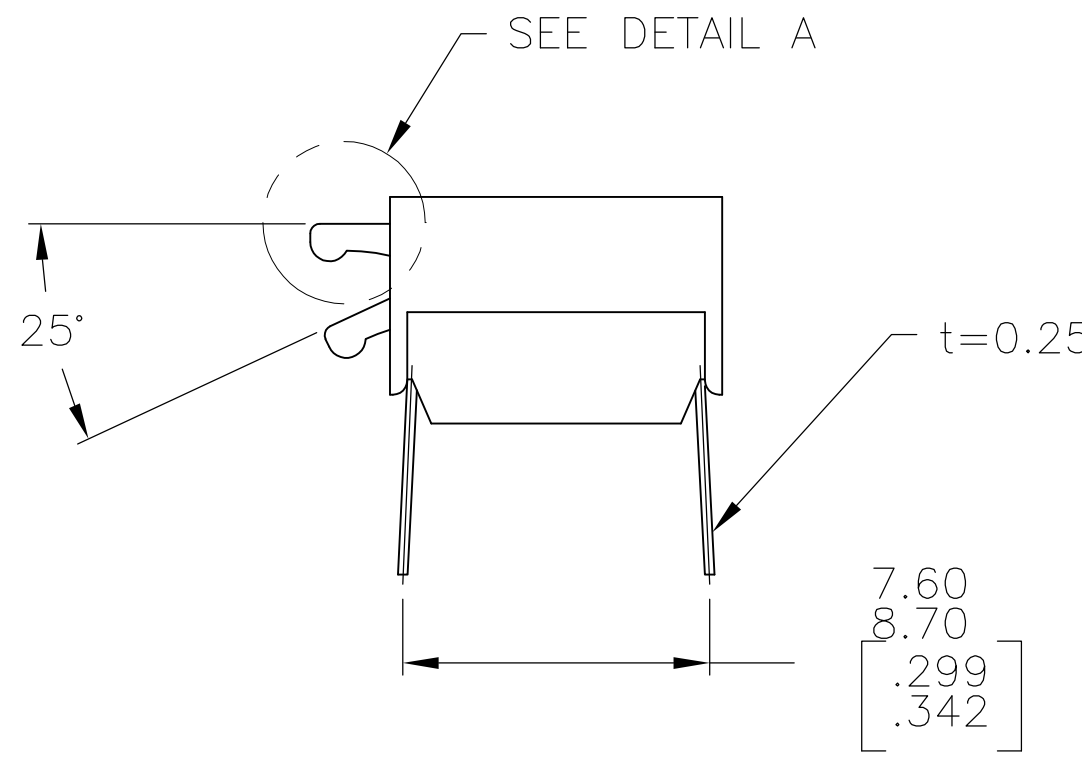


|     |      |           |     |                           |         |     |      |
|-----|------|-----------|-----|---------------------------|---------|-----|------|
| LOC | DIST | REVISIONS |     |                           |         |     |      |
| AD  | 00   | P         | LTR | DESCRIPTION               | DATE    | DWN | APVD |
|     |      |           | D2  | REVISED PER ECO-08-025166 | 13OCT08 | HMR | MS   |



## RECOMMENDED HOLE LAYOUT



DETAIL A  
SCALE: 10:1

SPECIFICATIONS:

MATERIAL:  
CASE: PPS 94V-0, BLACK  
COVER: PPS 94V-0, BLACK  
ACTUATOR: NYLON PA6T 94V-0, WHITE  
MOVING CONTACT: COPPER ALLOY, GOLD OVER NICKEL PLATE.  
FIXED CONTACT/TERMINAL: COPPER ALLOY, GOLD OVER NICKEL PLATE.

ELECTRICAL:  
CONTACT RATING: MAX RATING (SWITCHING) 100 MILLIAMPS @ 24V DC,  
MIN (SWITCHING) 0.10 MICROAMPS @1 MILLIVOLT,  
MAX (NON-SWITCHING) 1 AMP @ 5V DC INITIAL  
CONTACT RESISTANCE: 50 MILLIOHMS MAX.  
INSULATION RESISTANCE: 100 MEGOHMS MIN. @ 100 VDC.  
DIELECTRIC STRENGTH: 500 VAC. LIFE EXPECTANCY: 1000 CYCLES MIN.

MECHANICAL:  
ACTUATION FORCE: 800g MAX.

ENVIRONMENTAL:  
OPERATING TEMPERATURE: -22°F TO +185°F (-30°C TO +85°C).  
STORAGE TEMPERATURE: -49°F TO +212°F (-45°C TO +100°C).  
SOLDER HEAT RESISTANCE TO 265±3°C FOR 8±2 SECONDS.  
SOLDERABILITY PER JIS C 0050 & JIS C 0053

- 1 CONTACT PRESSURE: 280,000 PSI.
- 2 CLEANING: AQUEOUS SOLUTION OR SOLVENT.
- 3 PACKAGING OPTIONS- CLEAR TUBES OR TAPE AND REEL PER  
EIA-481 SWITCH SUPPLIED IN THE "OFF" POSITION UNLESS "ON"  
IS SPECIFIED IN THE ALCO PART NUMBER  
(SEE PART NUMBER TABLE FOR ALL OPTIONS)
- 4 TOP & FRONT SURFACES TO BE CLEARLY MARKED AS SHOWN.
- 5 SWITCHES TO BE BLACK WITH WHITE ACTUATORS AND MARKINGS.
- 6 ALL MATERIAL AND FINISHES SHALL COMPLY WITH EU DIRECTIVE  
2002/95/EC OF 27JAN2003 (ROHS)

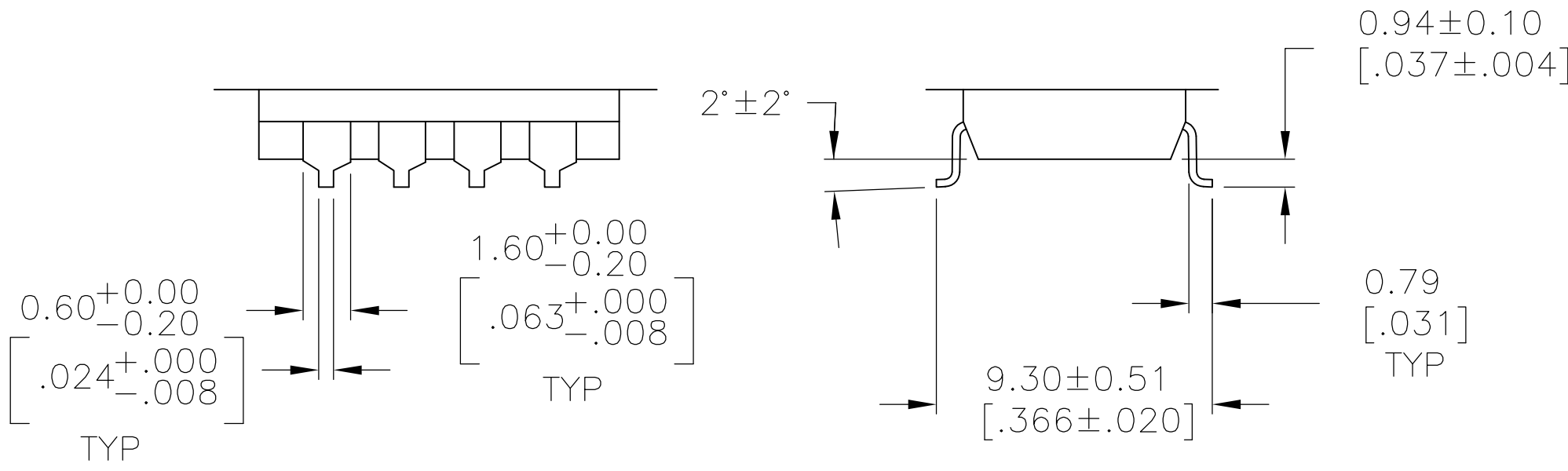
SEE SHEET 2 FOR SURFACE MOUNT OPTIONS AND DIMENSIONS.

|  |             |                        |                       |               |             |             |
|--|-------------|------------------------|-----------------------|---------------|-------------|-------------|
|  | TUBE        | 10                     | 27.38 [1.078]         | ADPA10SA04    | 6-1571999-4 |             |
|  | TUBE        | 10                     | 27.38 [1.078]         | ADPA10S04     | 6-1571999-3 |             |
|  | TUBE        | 10                     | 27.38 [1.078]         | ADPA1004      | 6-1571999-2 |             |
|  | TUBE        | 9                      | 24.84 [.978]          | ADPA09SA04    | 6-1571999-1 |             |
|  | TUBE        | 9                      | 24.84 [.978]          | ADPA09S04     | 6-1571999-0 |             |
|  | TUBE        | 9                      | 24.84 [.978]          | ADPA0904      | 5-1571999-9 |             |
|  | TUBE        | 8                      | 22.30 [.878]          | ADPA08SA04    | 5-1571999-8 |             |
|  | TUBE        | 8                      | 22.30 [.878]          | ADPA08S04     | 5-1571999-7 |             |
|  | TUBE        | 8                      | 22.30 [.878]          | ADPA0804      | 5-1571999-6 |             |
|  | TUBE        | 7                      | 19.76 [.778]          | ADPA07SA04    | 5-1571999-5 |             |
|  | TUBE        | 7                      | 19.76 [.778]          | ADPA07S04     | 5-1571999-4 |             |
|  | TUBE        | 7                      | 19.76 [.778]          | ADPA0704      | 5-1571999-3 |             |
|  | TUBE        | 6                      | 17.22 [.678]          | ADPA06SA04    | 5-1571999-2 |             |
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|  | TUBE        | 6                      | 17.22 [.678]          | ADPA0604      | 5-1571999-0 |             |
|  | TUBE        | 5                      | 14.68 [.578]          | ADPA05SA04    | 4-1571999-9 |             |
|  | TUBE        | 5                      | 14.68 [.578]          | ADPA05S04     | 4-1571999-8 |             |
|  | TUBE        | 5                      | 14.68 [.578]          | ADPA0504      | 4-1571999-7 |             |
|  | TUBE        | 4                      | 12.14 [.478]          | ADPA04SA04    | 4-1571999-6 |             |
|  | TUBE        | 4                      | 12.14 [.478]          | ADPA04S04     | 4-1571999-5 |             |
|  | TUBE        | 4                      | 12.14 [.478]          | ADPA0404      | 4-1571999-4 |             |
|  | TUBE        | 2                      | 7.06 [.278]           | ADPA02SA04    | 4-1571999-3 |             |
|  | TUBE        | 2                      | 7.06 [.278]           | ADPA02S04     | 4-1571999-2 |             |
|  | TUBE        | 2                      | 7.06 [.278]           | ADPA0204      | 4-1571999-1 |             |
|  | OBSOLETE    | -TAPE & REEL SWITCH ON | 10                    | 27.38 [1.078] | ADP10STR04  | 4-1571999-0 |
|  | TAPE & REEL | 10                     | 27.38 [1.078]         | ADP10STR04    | 3-1571999-9 |             |
|  | TUBE        | 10                     | 27.38 [1.078]         | ADP10SA04     | 3-1571999-8 |             |
|  | TUBE        | 10                     | 27.38 [1.078]         | ADP10S04      | 3-1571999-7 |             |
|  | TUBE        | 10                     | 27.38 [1.078]         | ADP1004       | 3-1571999-6 |             |
|  | OBSOLETE    | -TAPE & REEL SWITCH ON | 9                     | 24.84 [.978]  | ADP09STR04  | 3-1571999-5 |
|  | TAPE & REEL | 9                      | 24.84 [.978]          | ADP09STR04    | 3-1571999-4 |             |
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|  | TUBE        | 9                      | 24.84 [.978]          | ADP0904       | 3-1571999-1 |             |
|  | OBSOLETE    | -TAPE & REEL SWITCH ON | 8                     | 22.30 [.878]  | ADP08STR04  | 3-1571999-0 |
|  | TAPE & REEL | 8                      | 22.30 [.878]          | ADP08STR04    | 2-1571999-9 |             |
|  | TUBE        | 8                      | 22.30 [.878]          | ADP08SA04     | 2-1571999-8 |             |
|  | TUBE        | 8                      | 22.30 [.878]          | ADP08S04      | 2-1571999-7 |             |
|  | TUBE        | 8                      | 22.30 [.878]          | ADP0804       | 2-1571999-6 |             |
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|  | TUBE        | 7                      | 19.76 [.778]          | ADP0704       | 2-1571999-1 |             |
|  | OBSOLETE    | -TAPE & REEL SWITCH ON | 6                     | 17.22 [.678]  | ADP06STR04  | 2-1571999-0 |
|  | TAPE & REEL | 6                      | 17.22 [.678]          | ADP06STR04    | 1-1571999-9 |             |
|  | TUBE        | 6                      | 17.22 [.678]          | ADP06SA04     | 1-1571999-8 |             |
|  | TUBE        | 6                      | 17.22 [.678]          | ADP06S04      | 1-1571999-7 |             |
|  | TUBE        | 6                      | 17.22 [.678]          | ADP0604       | 1-1571999-6 |             |
|  | OBSOLETE    | -TAPE & REEL SWITCH ON | 5                     | 14.68 [.578]  | ADP05STR04  | 1-1571999-5 |
|  | TAPE & REEL | 5                      | 14.68 [.578]          | ADP05STR04    | 1-1571999-4 |             |
|  | TUBE        | 5                      | 14.68 [.578]          | ADP05SA04     | 1-1571999-3 |             |
|  | TUBE        | 5                      | 14.68 [.578]          | ADP05S04      | 1-1571999-2 |             |
|  | TUBE        | 5                      | 14.68 [.578]          | ADP0504       | 1-1571999-1 |             |
|  | OBSOLETE    | -TAPE & REEL SWITCH ON | 4                     | 12.14 [.478]  | ADP04STR04  | 1-1571999-0 |
|  | TAPE & REEL | 4                      | 12.14 [.478]          | ADP04STR04    | 1571999-9   |             |
|  | TUBE        | 4                      | 12.14 [.478]          | ADP04SA04     | 1571999-8   |             |
|  | TUBE        | 4                      | 12.14 [.478]          | ADP04S04      | 1571999-7   |             |
|  | TUBE        | 4                      | 12.14 [.478]          | ADP0404       | 1571999-6   |             |
|  | OBSOLETE    | -TAPE & REEL SWITCH ON | 2                     | 7.00 [.276]   | ADP02STR04  | 1571999-5   |
|  | TAPE & REEL | 2                      | 7.00±0.50 [.276±.020] | ADP02STR04    | 1571999-4   |             |
|  | TUBE        | 2                      | 7.00±0.50 [.276±.020] | ADP02SA04     | 1571999-3   |             |
|  | TUBE        | 2                      | 7.00±0.50 [.276±.020] | ADP02S04      | 1571999-2   |             |
|  | TUBE        | 2                      | 7.00±0.50 [.276±.020] | ADP0204       | 1571999-1   |             |
|  | PACKAGING   | Pole                   | Dim L                 | Old T&B P/N   | TE P/N      |             |

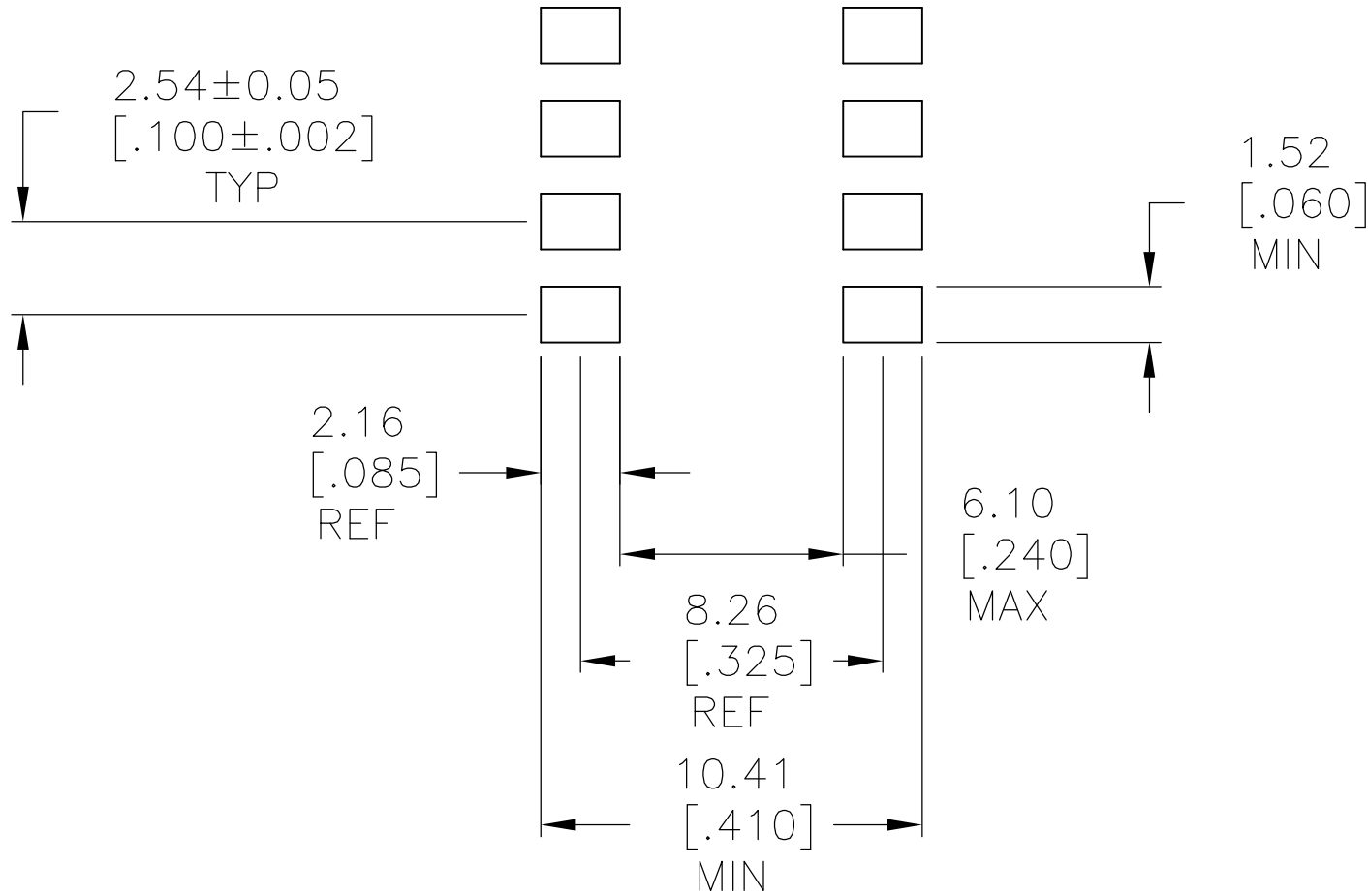
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| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN: 14FE05<br>M. BINNER<br>CHK: 15FE05<br>M. SERVER |  |  Tyco Electronics Corporation<br>Harrisburg, PA 17105-3608 |  |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | TOLERANCES, UNLESS<br>OTHERWISE SPECIFIED:           |  | NAME:                                                                                                                                           |  |
|  |  | APVD: 15FE05<br>M. SERVER                            |  | PRODUCT SPEC                                                                                                                                    |  |
| 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± -<br>3 PLC ± .012[0.31]<br>4 PLC ± -<br>ANGLES ± 1° |  | APPLICATION SPEC                                     |  | DIP SWITCH ASSEMBLY<br>ADP/PA SERIES                                                                                                            |  |
| MATERIAL: -                                                                           |  | WEIGHT: -                                            |  | SIZE: A1 CAGE CODE: 00779 DRAWING NO: 1571999 RESTRICTED TO: -                                                                                  |  |
| FINISH: -                                                                             |  | CUSTOMER DRAWING                                     |  | SCALE: 1:1 SHEET 1 OF 2 REV D                                                                                                                   |  |



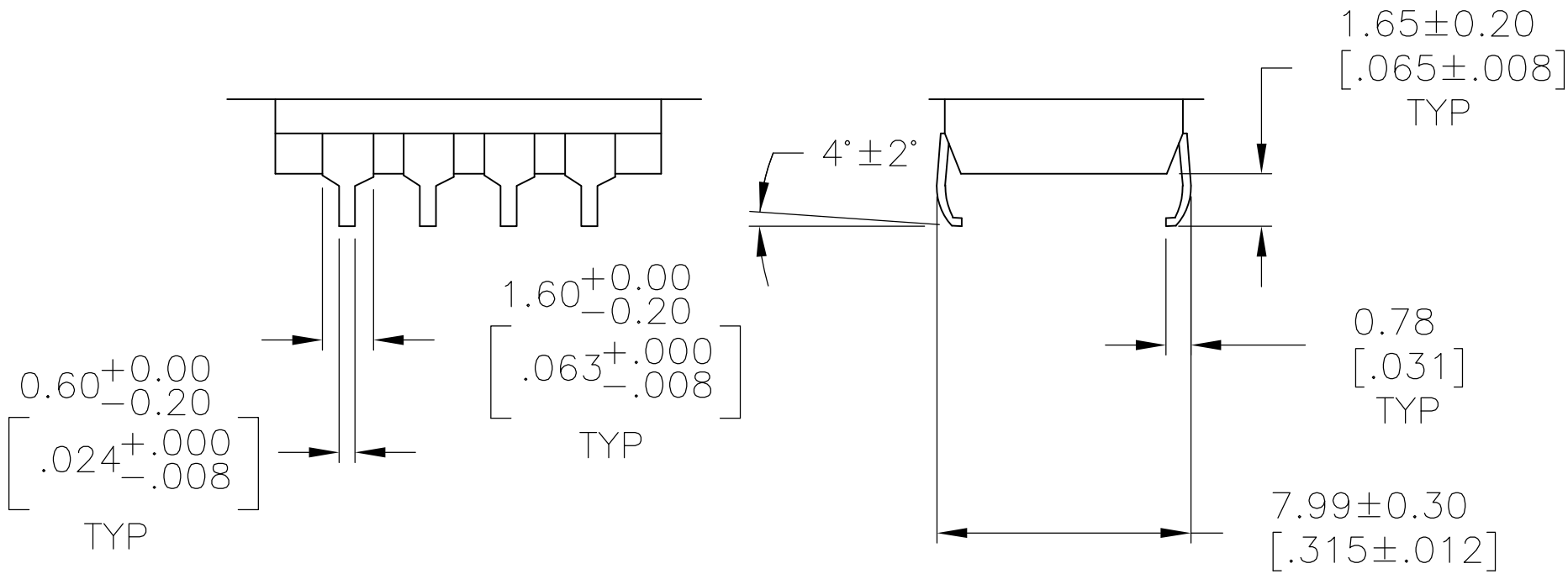
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|-----|------|-----------|-----|-------------|------|-----|
| AD  | 00   | REV       | LTR | DESCRIPTION | DATE | OWN |
|     |      | —         |     | SEE SHEET 1 | —    | —   |



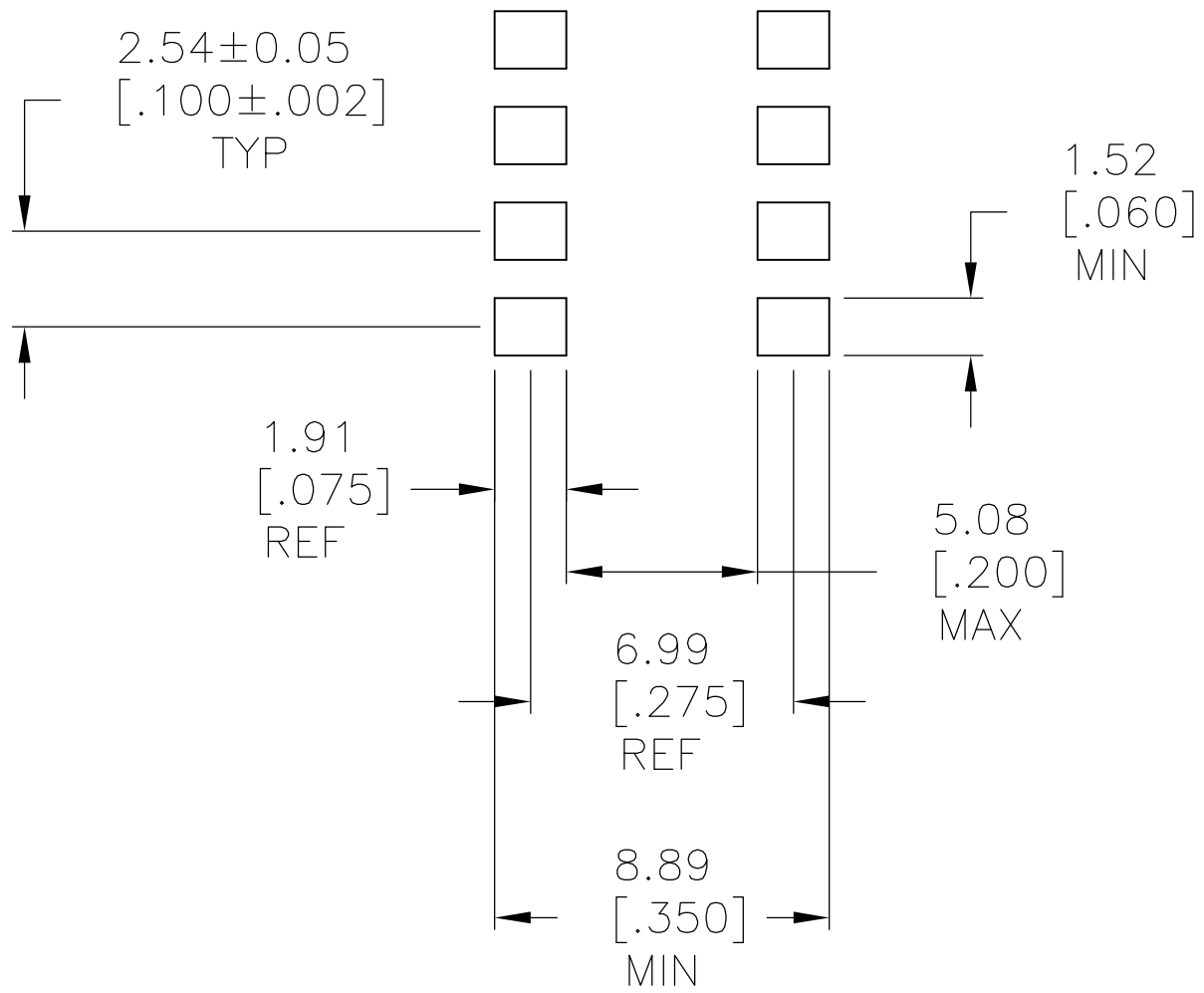
SURFACE MOUNT  
S TERMINATION



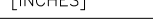
RECOMMENDED PAD LAYOUT  
SURFACE MOUNT  
"S" TERMINATION



SURFACE MOUNT  
SA TERMINATION



RECOMMENDED PAD LAYOUT  
SURFACE MOUNT  
"SA" TERMINATION

|                                                                                       |  |                                           |         |                                                                                                                                                 |                                      |
|---------------------------------------------------------------------------------------|--|-------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>M. BINNER                          | 14FEB05 |  Tyco Electronics Corporation<br>Harriaburg, PA 17105-3608 |                                      |
|                                                                                       |  | CHK<br>M. SARVER                          | 15FEB05 |                                                                                                                                                 |                                      |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |         | NAME                                                                                                                                            | DIP SWITCH ASSEMBLY<br>ADP/PA SERIES |
|  |  | 0. PLC ± -                                |         | APPROD<br>M. SARVER                                                                                                                             |                                      |
|                                                                                       |  | 1. PLC ± -                                |         | PRODUCT SPEC                                                                                                                                    |                                      |
|                                                                                       |  | 2. PLC ± -                                |         | APPLICATION SPEC                                                                                                                                |                                      |
|                                                                                       |  | 3. PLC ± .012[0.31]                       |         | SIZE<br>A1                                                                                                                                      | CAGE CODE<br>1571999                 |
|                                                                                       |  | 4. PLC ± -                                |         |                                                                                                                                                 |                                      |
|                                                                                       |  | ANGLES<br>± - ± 1°                        |         | RESTRICTED TO                                                                                                                                   | -                                    |
| MATERIAL<br>-                                                                         |  | FINISH<br>-                               |         | WEIGHT<br>-                                                                                                                                     | -                                    |
| CUSTOMER DRAWING                                                                      |  |                                           |         |                                                                                                                                                 |                                      |
|                                                                                       |  |                                           |         | SCALE<br>1:1                                                                                                                                    | SHEET<br>2 OF 2                      |
|                                                                                       |  |                                           |         | REV<br>D2                                                                                                                                       |                                      |