

| REVISIONS | | | | | |
|-----------|-----|---------------------------|-----------|-----|------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | E | REVISED PER ECR-16-016889 | 22DEC2016 | RK | SS |

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
TAPE SEAL-POLYIMIDE FILM, AMBER, SEE P/N TABLE FOR OPTIONS

ELECTRICAL
MAX CONTACT RATING SWITCHING, 100mA @ 5 VDC (AMPERE MAX)
25mA @ 24 VDC (VOLTAGE MAX)
MIN CONTACT RATING SWITCHING, 0.1mA (1mV)
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, 300 VAC FOR 1 MINUTE.
LIFE EXPECTANCY, 1,000 CYCLES


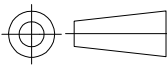
MECHANICAL
OPERATING FORCE, LESS THAN 800 GRAMS
CONTACT PRESSURE, 280,000 PSI

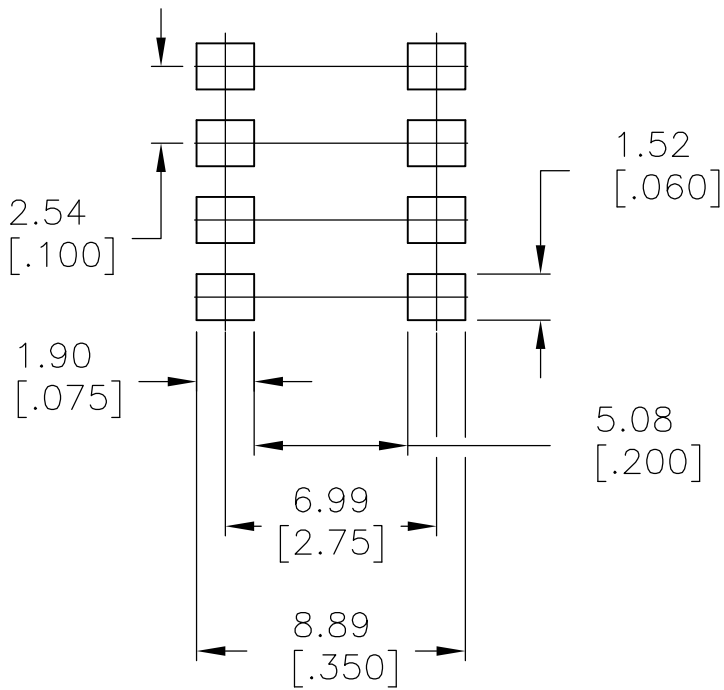
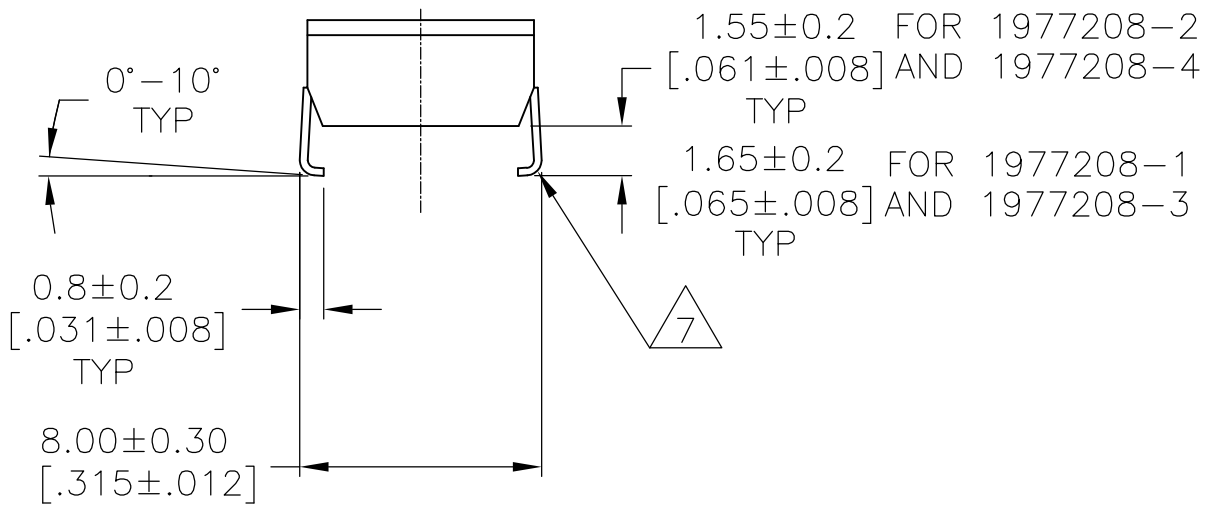
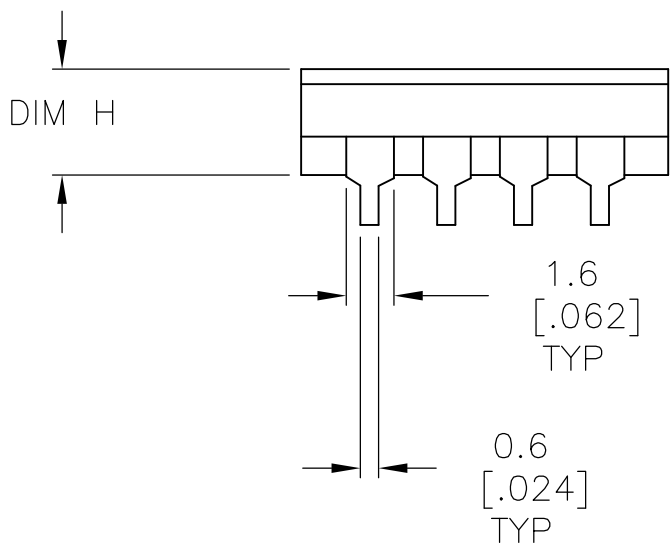
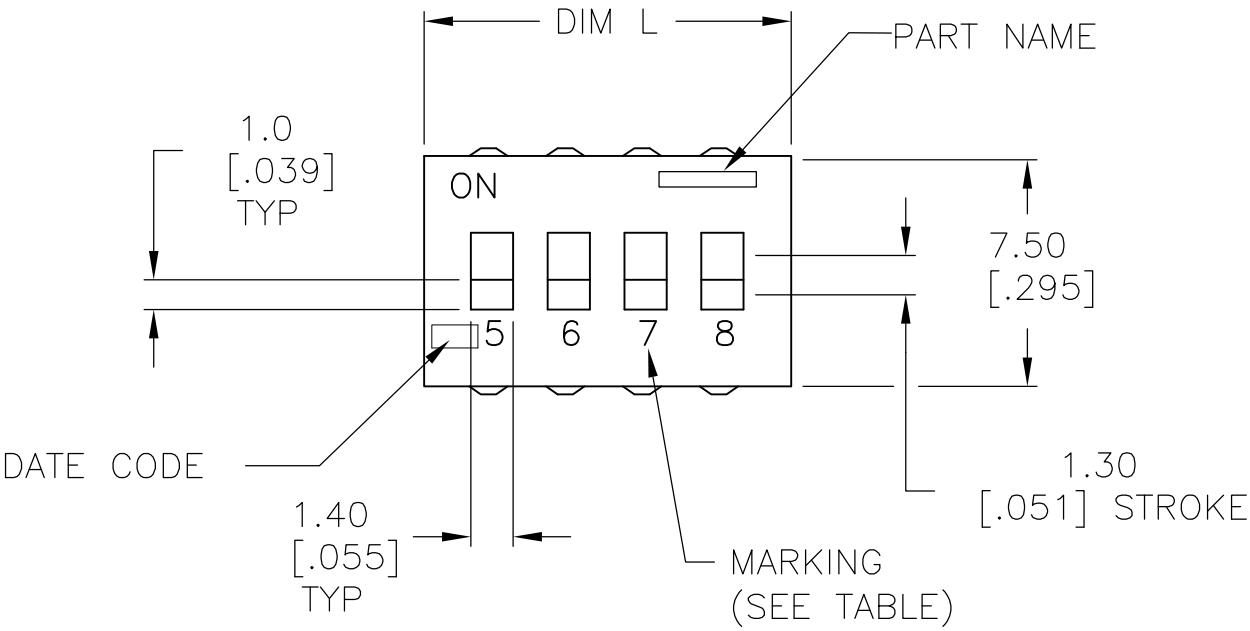
ENVIRONMENTAL
OPERATING TEMPERATURE, -30 TO +85 DEGREES C
STORAGE TEMPERATURE, -30 TO +85 DEGREES C
CLEANING, AQUEOUS OR SOLVENT
SOLDER HEAT RESISTANCE, PER 109-201, COND B, SWITCH "OFF".
SOLDERABILITY PER IPC/ECA J-STD-002D, TEST S1 LEAD-FREE SOLDER - SURFACE MOUNT PROCESS SIMULATION TEST.

- 1 SWITCHES TO BE RECEIVED IN THE "OFF" POSITION AND PACKAGED IN CLEAR TUBES TO ACCOMMODATE AUTO-INSERTION OR PACKAGED ON TAPE AND REEL
- 2 TOP SURFACE TO BE CLEARLY MARKED AS SHOWN
- 3 SWITCHES TO BE BLACK WITH WHITE ACTUATORS AND MARKINGS.
- 4 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
- 5 TAPE AND REEL PACKAGING PER EIA 481.
- 6 PACKAGING REEL DIMENSIONS (PLEASE REFERENCE SHEET 2)
FOR 1977208-1,-3, DIM: 24.5
FOR 1977208-2,-4, DIM: 44.4

7 SEE PLATING DETAIL FOR DEFINITION OF CONTACT PLATING SURFACES.

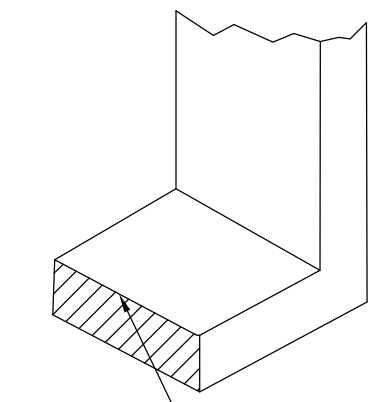
| | | | | | | | |
|-------------------------|------|-----------|----------------|------------------|------|-----------------|-----------|
| 1,2,3,4,5,6,7,8,1,2,3,4 | T&R | NO | 3.50 (.138) | 32.50 (1.280) | 12 | ADF12SATR04900 | 1977208-4 |
| 5,6,7,8 | T&R | NO | | 12.1 (.478) | 4 | ADF04SATR04900 | 1977208-3 |
| 1,2,3,4,5,6,7,8,1,2,3,4 | T&R | YES | 3.50 (.138) | 32.50 (1.280) | 12 | ADF12SATTR04900 | 1977208-2 |
| 5,6,7,8 | T&R | YES | | 12.1 (.478) | 4 | ADF04SATTR04900 | 1977208-1 |
| MARKING | PKG. | TAPE SEAL | DIM H | DIM L | POLE | OLD T&B P/N | P/N |

| | | | | | | | | |
|---|--|--|-----------------------|---------|---|----------------|-------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | | DWN M.BINNER | 30AUG07 |  TE Connectivity | | | |
| DIMENSIONS: mm [INCHES] | | | CHK M.SARVER | - | | | | |
|  | | | APVD M.SARVER | - | NAME DIP SWITCH, ADF-SMT SERIES, SPECIAL | | | |
| | | | PRODUCT SPEC — | | | | | |
| MATERIAL — | | | APPLICATION SPEC — | | SIZE A2 | CAGE CODE — | DRAWING NO C=1977208 | RESTRICTED TO — |
| | | | FINISH — | | WEIGHT | | SCALE 4:1 | SHEET 1 of 2 |
| | | | CUSTOMER DRAWING | | | | | |



RECOMMENDED PAD LAYOUT

CONTACT PLATING DETAIL



SHEAR EDGE NOT PLATED.
ALL REMAINING SURFACES ARE
SUPPLIED WITH GOLD-FLASH
OVER NICKEL PLATING

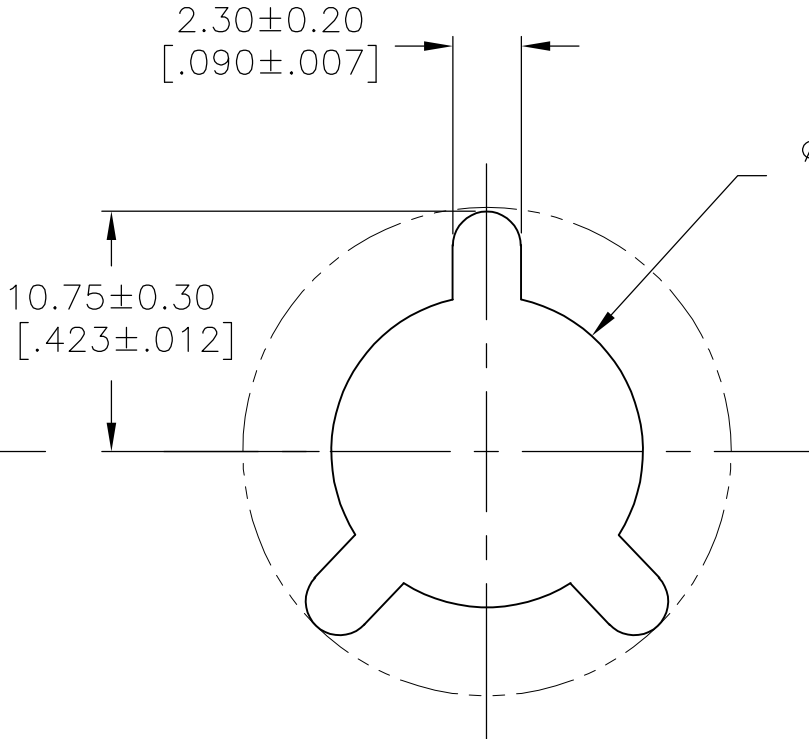
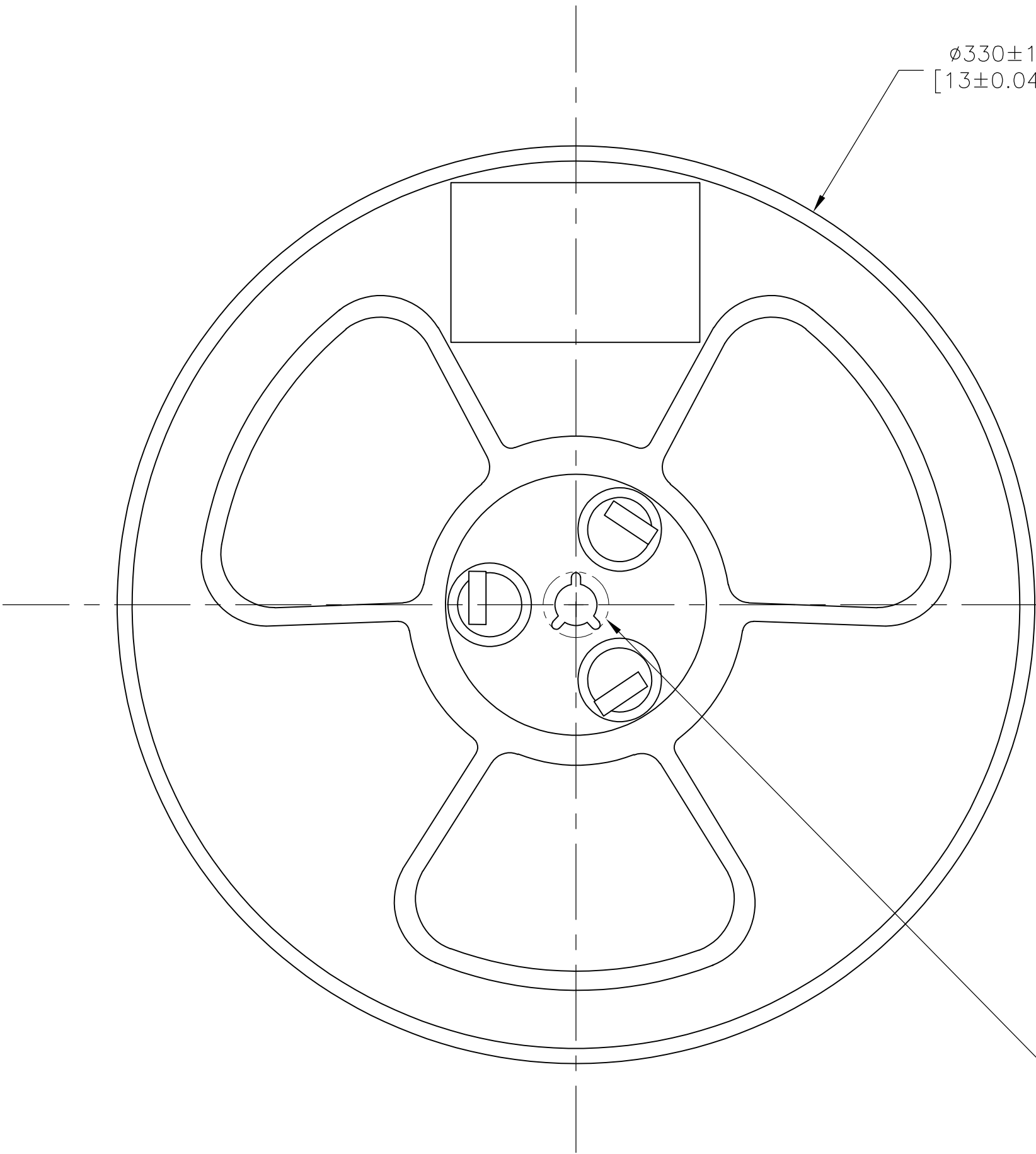
| REVISIONS | | | | | |
|-----------|-----|-------------|------|-----|------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | - | SEE SHEET 1 | - | - | - |

D

C

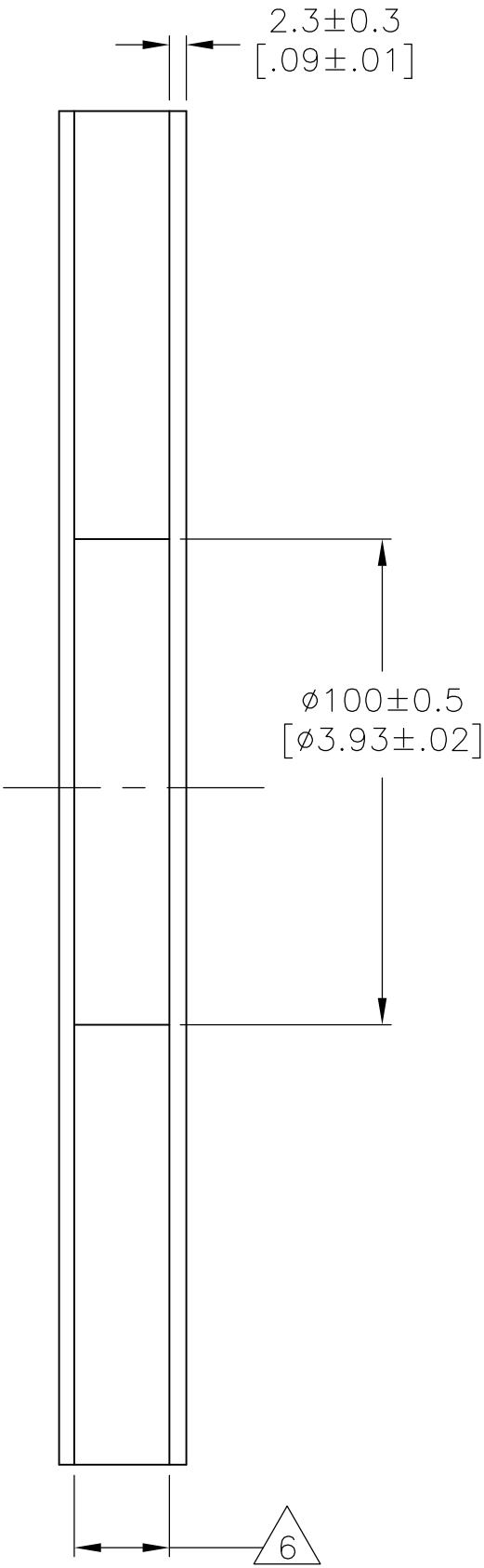
B

A



DETAIL A (5:1)

DETAIL A




D

C

B

A

1977208

| | | | | | | | | | |
|--|--|--|------------------|----------|---------|---|-----------|------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | | DWN | M.BINNER | 30AUG07 |  TE Connectivity | | | |
| | | | CHK | M.SARVER | - | | | | |
| | | | APVD | M.SARVER | - | NAME | | | |
| | | | PRODUCT SPEC | | | DIP SWITCH, ADF-SMT SERIES, SPECIAL | | | |
| | | | APPLICATION SPEC | | | SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
| | | | | | | A2 | - | C=1977208 | - |
| MATERIAL | | | FINISH | | | CUSTOMER DRAWING | | | |
| | | | | | | SCALE | 4:1 | SHEET | 2 OF 2 |
| | | | | | | REV E | | | |

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[ADF04SATTR04900](#)