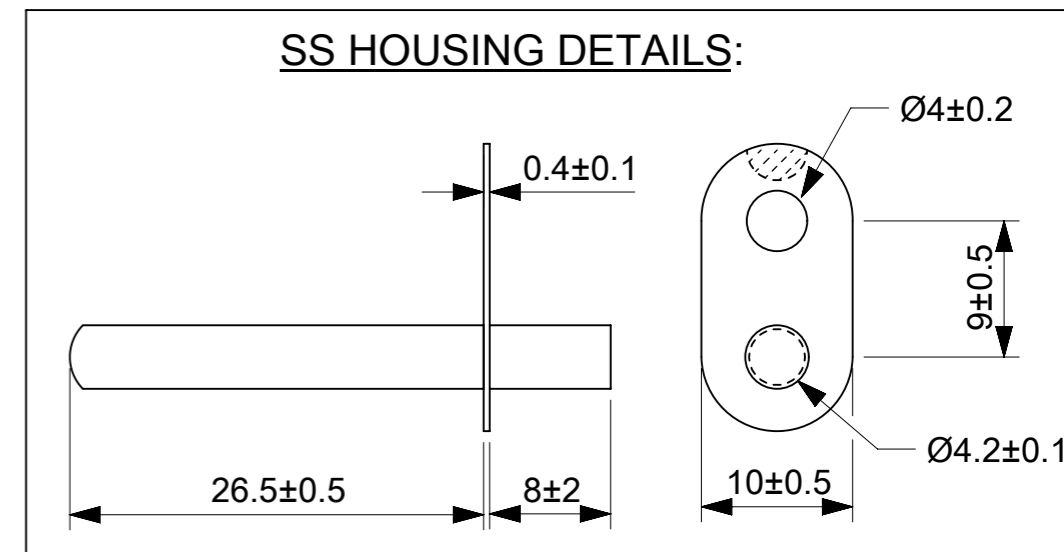


**NOTES:**

1. RESISTANCE @ 25°C : 50KΩ ± 1%
2. BETA VALUE (0/50°C) : 4035K ± 1%
3. OPERATING TEMPERATURE RANGE : -40°C TO +250°C.
4. THERMAL TIME CONSTANT : 15SEC IN WATER
5. VOLTAGE BREAKDOWN STRENGTH : 1500V AC FOR 3SEC.
6. INSULATION RESISTANCE : A MINIMUM OF 100MΩ @ 500VOLTS DC.
7. DISSIPATION FACTOR : 1mW/°C.
8. LASER MARKING "MOLEX-DATE CODE(MM/YY)" & "XXK(R25-value) XXXX(B-value)"


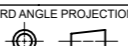


|                                                      |                                                                                                                                               |                             |                                       |                             |  |                          |  |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------|-----------------------------|--|--------------------------|--|
| FUNCTIONAL SYMBOLS<br>▽/A = 0<br>▽/E = 0<br>▽/Z = 0  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | CURRENT REV DESC:           |                                       | <b>molex</b>                |  |                          |  |
|                                                      | DIMENSION UNITS: mm                                                                                                                           | SCALE: NTS                  | GENERAL TOLERANCES (UNLESS SPECIFIED) |                             |  |                          |  |
| DIVISIONAL SYMBOLS                                   | ANGULAR TOL ± °                                                                                                                               | EC NO: 733229               |                                       | PRODUCT CUSTOMER DRAWING    |  |                          |  |
|                                                      | 4 PLACES ±                                                                                                                                    | DRWN: NANDAK 2022/12/23     |                                       | DOCUMENT NUMBER: 2185373919 |  |                          |  |
|                                                      | 3 PLACES ±                                                                                                                                    | CHK'D: RBBHASKAR 2022/12/23 |                                       | DOC TYPE: PSD               |  |                          |  |
|                                                      | 2 PLACES ±                                                                                                                                    | APPR: RBBHASKAR 2022/12/23  |                                       | DOC PART: 000               |  |                          |  |
| 1 PLACE ±                                            | INITIAL REVISION:                                                                                                                             |                             | REVISION: B4                          |                             |  |                          |  |
| 0 PLACES ±                                           | DRWN: RAVIKM 2022/01/30                                                                                                                       |                             | SERIES: 218537                        |                             |  |                          |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               | THIRD ANGLE PROJECTION      |                                       | MATERIAL NUMBER: 2185373919 |  | CUSTOMER: GENERAL MARKET |  |
|                                                      |                                                                                                                                               | DRAWING: A3-SIZE            |                                       | SHEET NUMBER: 1 OF 2        |  |                          |  |

RESISTANCE VS TEMPERATURE CHARACTERISTICS

| TEMP(°C) | Rmin(KΩ) | Rnom(KΩ) | Rmax(KΩ) |
|----------|----------|----------|----------|
| -40      | 1689.446 | 1768.460 | 1850.985 |
| -35      | 1206.272 | 1258.400 | 1312.649 |
| -30      | 887.056  | 922.520  | 959.306  |
| -25      | 664.871  | 689.441  | 714.849  |
| -20      | 497.166  | 514.028  | 531.408  |
| -15      | 374.123  | 385.702  | 397.600  |
| -10      | 281.815  | 289.707  | 297.790  |
| -5       | 214.745  | 220.154  | 225.676  |
| 0        | 164.268  | 167.950  | 171.697  |
| 5        | 126.975  | 129.484  | 132.029  |
| 10       | 98.953   | 100.654  | 102.374  |
| 15       | 77.932   | 79.081   | 80.239   |
| 20       | 61.896   | 62.663   | 63.432   |
| 25       | 49.500   | 50.000   | 50.500   |
| 30       | 39.644   | 40.133   | 40.623   |
| 35       | 31.919   | 32.382   | 32.848   |
| 40       | 25.824   | 26.254   | 26.688   |
| 45       | 20.991   | 21.384   | 21.782   |
| 50       | 16.731   | 17.082   | 17.439   |
| 55       | 14.063   | 14.383   | 14.709   |
| 60       | 11.593   | 11.880   | 12.172   |
| 65       | 9.605    | 9.861    | 10.123   |
| 70       | 8.000    | 8.228    | 8.462    |
| 75       | 6.700    | 6.903    | 7.112    |
| 80       | 5.643    | 5.824    | 6.010    |
| 85       | 4.782    | 4.943    | 5.109    |
| 90       | 4.088    | 4.232    | 4.382    |
| 95       | 3.509    | 3.638    | 3.772    |
| 100      | 3.022    | 3.138    | 3.258    |
| 105      | 2.609    | 2.713    | 2.821    |
| 110      | 2.258    | 2.351    | 2.448    |
| 115      | 1.957    | 2.041    | 2.129    |
| 120      | 1.699    | 1.775    | 1.853    |
| 125      | 1.478    | 1.545    | 1.616    |
| 130      | 1.287    | 1.347    | 1.411    |
| 135      | 1.122    | 1.177    | 1.234    |
| 140      | 0.980    | 1.029    | 1.081    |
| 145      | 0.858    | 0.902    | 0.948    |
| 150      | 0.752    | 0.792    | 0.834    |

| TEMP(°C) | Rmin(KΩ) | Rnom(KΩ) | Rnom(KΩ) |
|----------|----------|----------|----------|
| 155      | 0.6592   | 0.695    | 0.7325   |
| 160      | 0.5856   | 0.618    | 0.6523   |
| 165      | 0.5222   | 0.552    | 0.583    |
| 170      | 0.4671   | 0.494    | 0.5226   |
| 175      | 0.4189   | 0.444    | 0.4697   |
| 180      | 0.3765   | 0.399    | 0.423    |
| 185      | 0.3391   | 0.36     | 0.3818   |
| 190      | 0.3059   | 0.325    | 0.3452   |
| 195      | 0.2765   | 0.294    | 0.3126   |
| 200      | 0.2503   | 0.266    | 0.2835   |
| 205      | 0.227    | 0.242    | 0.2576   |
| 210      | 0.2061   | 0.22     | 0.2344   |
| 215      | 0.1875   | 0.2      | 0.2136   |
| 220      | 0.1707   | 0.182    | 0.1949   |
| 225      | 0.1558   | 0.167    | 0.1781   |
| 230      | 0.1425   | 0.153    | 0.1632   |
| 235      | 0.1306   | 0.14     | 0.1499   |
| 240      | 0.1198   | 0.129    | 0.1378   |
| 245      | 0.1103   | 0.118    | 0.127    |
| 250      | 0.1018   | 0.109    | 0.1174   |

|                                                      |                                                                                                                                               |                                                                                       |                   |                 |                                                                                       |                |              |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------|-----------------|---------------------------------------------------------------------------------------|----------------|--------------|
| FUNCTIONAL SYMBOLS                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                       | CURRENT REV DESC: |                 |  |                |              |
|                                                      | $\nabla_A = 0$<br>$\nabla_E = 0$<br>$\nabla_V = 0$                                                                                            | DIMENSION UNITS: <b>mm</b><br>SCALE: <b>NTS</b>                                       |                   |                 |                                                                                       |                |              |
| DIVISIONAL SYMBOLS                                   | 4 PLACES ±                                                                                                                                    | EC NO: 733229                                                                         | DRWN: NANDAK      | 2022/12/23      | PRODUCT CUSTOMER DRAWING                                                              |                |              |
|                                                      | 3 PLACES ±                                                                                                                                    | CHK'D: RBBHASKAR                                                                      | APPR: RBBHASKAR   | 2022/12/23      |                                                                                       |                |              |
|                                                      | 2 PLACES ±                                                                                                                                    | INITIAL REVISION:                                                                     |                   | DOCUMENT NUMBER | DOC TYPE                                                                              | DOC PART       | REVISION     |
|                                                      | 1 PLACE ±                                                                                                                                     | DRWN: RAVIKM                                                                          | 2022/01/30        | 2185373919      | PSD                                                                                   | 000            | B4           |
| 0 PLACES ±                                           | APPR: RBBHASKAR                                                                                                                               | 2022/02/10                                                                            |                   |                 |                                                                                       |                |              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |                                                                                                                                               | THIRD ANGLE PROJECTION                                                                | DRAWING           | SERIES          | MATERIAL NUMBER                                                                       | CUSTOMER       | SHEET NUMBER |
|                                                      |                                                                                                                                               |  | A3-SIZE           | 218537          | 2185373919                                                                            | GENERAL MARKET | 2 OF 2       |