



## Miniature PCB Relay SDT-R (Continued)

### Insulation Data

|                             |                      |
|-----------------------------|----------------------|
| Initial dielectric strength |                      |
| between open contacts       | 1000V <sub>rms</sub> |
| between contact and coil    | 4000V <sub>rms</sub> |
| Clearance/creepage          |                      |
| between contact and coil    | >1.6/3.2mm           |

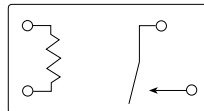
### Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at [www.te.com/customersupport/rohssupportcenter](http://www.te.com/customersupport/rohssupportcenter)

|                                      |                                                                           |
|--------------------------------------|---------------------------------------------------------------------------|
| Ambient temperature                  | -30°C to +70°C                                                            |
| Category of environmental protection |                                                                           |
| IEC 61810                            | RTII - flux proof,<br>RTIII - wash tight                                  |
| Shock resistance (functional)        | 10g                                                                       |
| Shock resistance (destructive)       | 100g                                                                      |
| Weight                               | 11g                                                                       |
| Resistance to soldering heat THT     |                                                                           |
| IEC 60068-2-20                       | RTII: 270°C/10s<br>RTIII: 260°C/5s                                        |
| Packaging/unit                       | tube/25 pcs., carton box/1000 pcs.<br>tray/100 pcs., carton box/1000 pcs. |

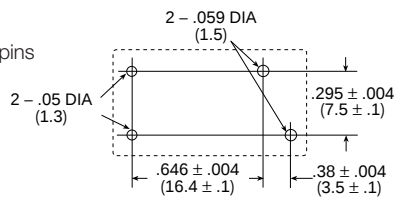
### Terminal assignment

Bottom view on solder pins

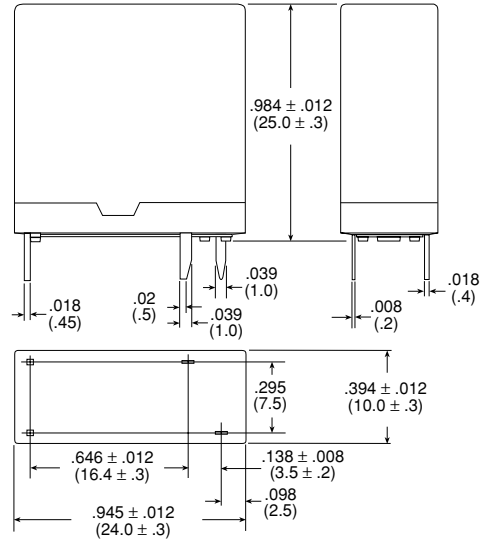


### PCB layout

Bottom view on solder pins



### Dimensions



## Miniature PCB Relay SDT-R (Continued)

| Product code structure     |  | Typical product code                                                                |    |    |    |   |   |   |        |
|----------------------------|--|-------------------------------------------------------------------------------------|----|----|----|---|---|---|--------|
|                            |  | SDT                                                                                 | -S | -1 | 12 | D | M | R | 2 ,000 |
| <b>Basic type</b>          |  | SDT Miniature PCB Relay SDT-R                                                       |    |    |    |   |   |   |        |
| <b>Enclosure</b>           |  | S Snap on cover                                                                     |    |    |    |   |   |   |        |
| <b>Number of poles</b>     |  | 1 1 pole                                                                            |    |    |    |   |   |   |        |
| <b>Coil voltage</b>        |  | Coil code: please refer to coil versions table (e.g. 05=5VDC)                       |    |    |    |   |   |   |        |
| <b>Coil input</b>          |  | D Standard (540mW) L Sensitive (250mW)                                              |    |    |    |   |   |   |        |
| <b>Contact arrangement</b> |  | M 1 form A (NO) contact                                                             |    |    |    |   |   |   |        |
| <b>Design</b>              |  | R New design                                                                        |    |    |    |   |   |   |        |
| <b>Coil type</b>           |  | Blank Standard 2 as LMR2: 150mW coil consumption<br>as DMR2: 250mW coil consumption |    |    |    |   |   |   |        |
| <b>Suffix</b>              |  | ,000 Standard                                                                       |    |    |    |   |   |   |        |

Other types on request

| Product code      | Coil  | Coil sensitivity | Design     | Cont.material      | Arrangement   | Coil type                   | Part number |
|-------------------|-------|------------------|------------|--------------------|---------------|-----------------------------|-------------|
| SDT-S-105LMR,000  | 5VDC  | Sensitive        | new design | AgSnO <sub>2</sub> | 1 form A (NO) | 250mW<br>standard coil      | 8-1419125-1 |
| SDT-S-112LMR,000  | 12VDC |                  |            |                    |               |                             | 9-1419125-9 |
| SDT-S-124LMR,000  | 24VDC | Standard         |            |                    |               | 540mW coil<br>standard coil | 1419126-2   |
| SDT-S-103DMR,000  | 3VDC  |                  |            |                    |               |                             | 1461267-1   |
| SDT-S-105DMR,000  | 5VDC  |                  |            |                    |               |                             | 8-1419125-0 |
| SDT-S-112DMR,000  | 12VDC |                  |            |                    |               |                             | 9-1419125-7 |
| SDT-S-118DMR,000  | 18VDC |                  |            |                    |               |                             | 1461267-3   |
| SDT-S-124DMR,000  | 24VDC |                  |            |                    |               |                             | 1419126-1   |
| SDT-S-148DMR,000  | 48VDC | Sensitive        |            |                    |               | 150mW coil                  | 1461023-2   |
| SDT-S-105LMR2,000 | 5VDC  |                  |            |                    |               |                             | 8-1419125-3 |
| SDT-S-109LMR2,000 | 9VDC  | Standard         |            |                    |               | 250mW coil                  | 9-1419125-5 |
| SDT-S-105DMR2,000 | 5VDC  |                  |            |                    |               |                             | 9-1440002-6 |
| SDT-S-109DMR2,000 | 9VDC  |                  |            |                    |               |                             | 9-1440002-8 |