



## 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

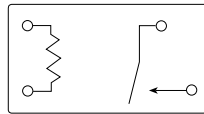
### Other Data

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, 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 RTIII: 260°C/5s
Packaging/unit	tube/25 pcs., carton box/1000 pcs. tray/100 pcs., carton box/1000 pcs.

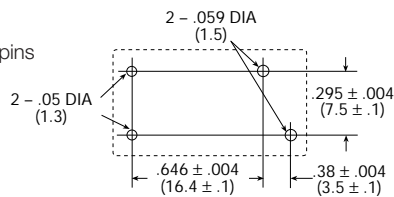
### Terminal assignment

Bottom view on solder pins

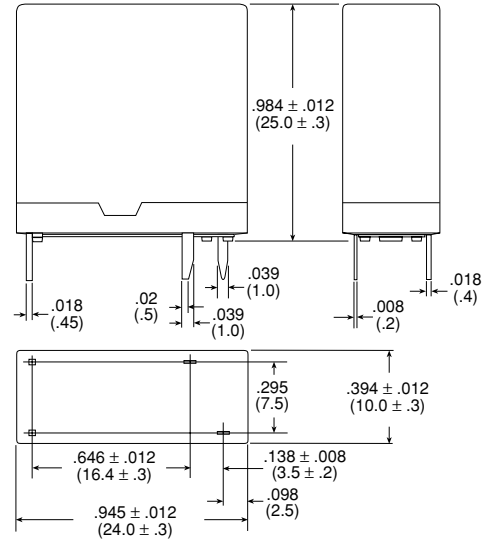


### PCB layout

Bottom view on solder pins



### Dimensions



**Miniature PCB Relay SDT-R** (Continued)

Product code structure		Typical product code							
		<b>SDT</b>	<b>-S</b>	<b>-1</b>	<b>12</b>	<b>D</b>	<b>M</b>	<b>R</b>	<b>2 ,000</b>
<b>Basic type</b>									
<b>SDT</b> Miniature PCB Relay SDT-R									
<b>Enclosure</b>									
<b>S</b> Snap on cover									
<b>Number of poles</b>									
<b>1</b> 1 pole									
<b>Coil voltage</b>									
Coil code: please refer to coil versions table (e.g. 05=5VDC)									
<b>Coil input</b>									
<b>D</b> Standard (540mW)									
<b>L</b> Sensitive (250mW)									
<b>Contact arrangement</b>									
<b>M</b> 1 form A (NO) contact									
<b>Design</b>									
<b>R</b> New design									
<b>Coil type</b>									
<b>Blank</b> Standard									
<b>2</b> as LMR2: 150mW coil consumption as DMR2: 250mW coil consumption									
<b>Suffix</b>									
<b>,000</b> 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 standard coil	8-1419125-1
SDT-S-112LMR,000	12VDC						9-1419125-9
SDT-S-124LMR,000	24VDC	Standard				540mW coil 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

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