

# Product Data Sheet



|                              |   |                     |  |                         |  |          |
|------------------------------|---|---------------------|--|-------------------------|--|----------|
| <b>t-Global Part No.</b>     | <b>LP0001/01-L37-3F-0.45-2A</b>                             |                     |  |                         |  |          |
| <b>Digi-Key Part No.</b>     | <b>1168-1854-ND</b>   |                     |  |                         |  |          |
| Description                  | Thermal conductive pad                                      |                     |  |                         |  |          |
| Manufacturer                 | t-Global Technology   |                     |  |                         |  |          |
| Part Number scheme           | [LP][PCB type]/[##]-[ XXX ]-[T]-[#A]-[P]                    |                     |  |                         |  |          |
|                              | <b>[LP][ PCB type]/</b>                                     | <b>##</b>           | <b>XXX</b>   | <b>T</b>                | <b>#A</b>                                  | <b>P</b> |
|                              | Die-Cut for PCB type: <b>LP0001</b>                         | Variant: 01         | T-Global thermal interface pad material: <b>L37-3F</b> | Thickness <b>0.45mm</b> | Adhesive<br>1A – one side<br>2A –two sides | Pull tab |
| Typical application          | Thermal interface pad for LED Star board                    |                     |  |                         |  |          |
| Material code                | <b>L37-3F</b>   | Unit                | Thermal pad dimensions (mm)                            |                         |  |          |
| Thickness                    | 0.45  | mm                  |  |                         |  |          |
| Surface characteristic       | Natural tack  |                     |  |                         |  |          |
| Features                     | Good thermal conductivity<br>Natural tack<br>Good insulator |                     |  |                         |  |          |
| Thermal conductivity         | 1.4   | W/m.K               |  |                         |  |          |
| Operating temperature range  | -40 to +200   | °C                  |  |                         |  |          |
| Dielectric breakdown voltage | 3   | kV                  |  |                         |  |          |
| Hardness                     | 87  | Shore A             |  |                         |  |          |
| Thermal resistance @10 psi   | 0.9   | cm <sup>2</sup> /W  |  |                         |  |          |
| Tensile strength             | 150   | Kgf/cm <sup>2</sup> |  |                         |  |          |
| UL Flammability              | V-0 (Test method UL 94)                                     |                     |  |                         |  |          |
| Elongation                   | 5   | %                   |  |                         |  |          |
| Weight loss                  | > 1   | %                   |  |                         |  |          |
| Colour                       | Yellow<br>  |                     |  |                         |  |          |
| Recommendations:             |   |                     |  |                         |  |          |

Revision of these specifications is carried out after consent. We reserve the right to make changes without notification.