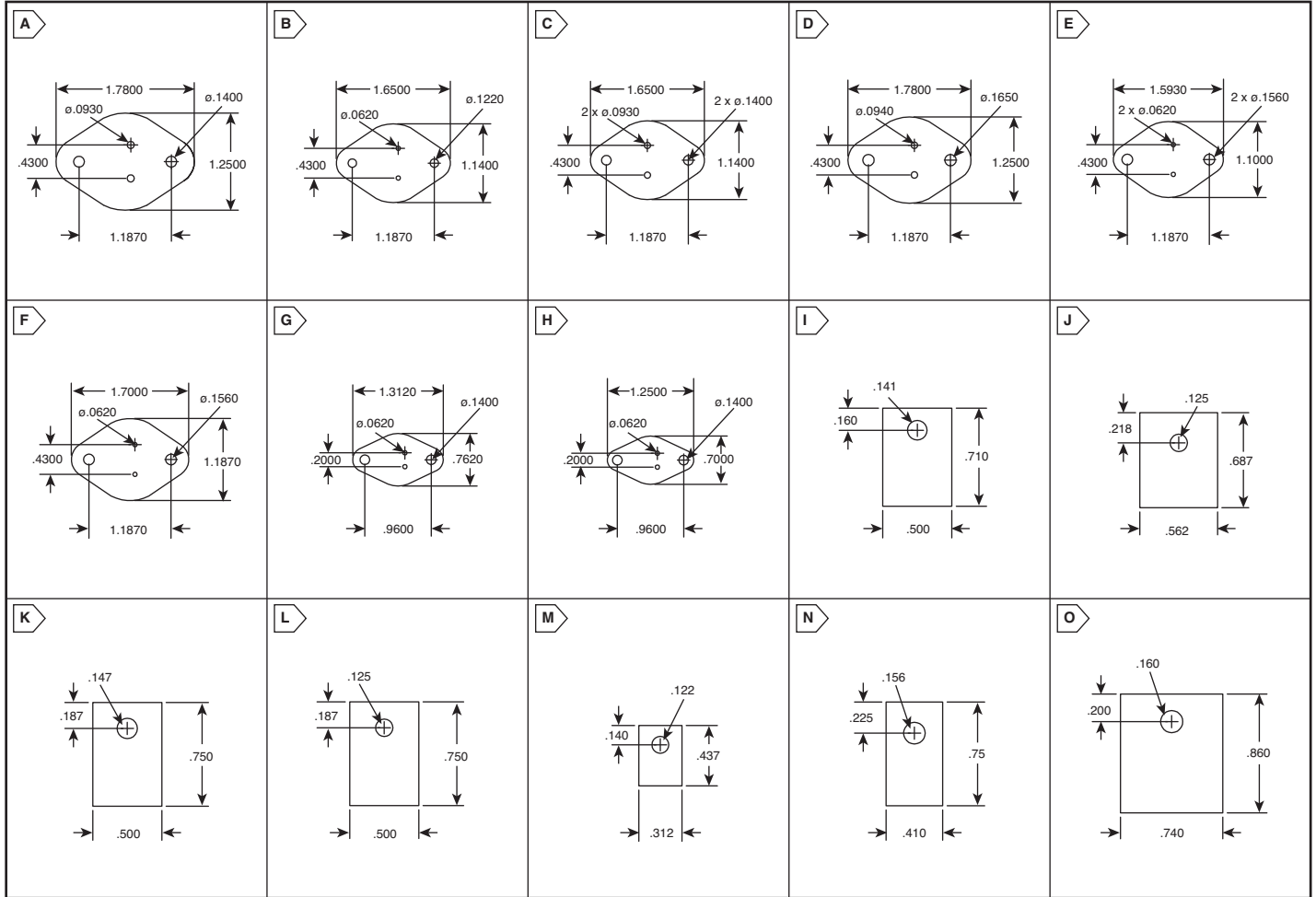


# GORE PolarChip™ Thermal Management Pads



RoHS Compliant This product is RoHS compliant.



## GORE™ POLARCHIP™ THERMAL INTERFACE MATERIAL (TIM)

### Features:

- Is engineered for heat transfer in silicone sensitive applications requiring conformability and low thermal resistance at low applied pressure.
- Fill: undesirable air gaps between the heat generating devices and the heat dissipating surfaces.
- Is ideal for gap filling applications where the gap is variable due to surface irregularities (roughness, flatness, planarity, etc.), large tolerance stack-ups, or multiple device heights.
- Reduces interfacial contact resistance while minimizing the stress placed on the device components, by being soft, conformable, and highly compressible.
- ePTFE based thermal pads are ideal for silicone sensitive applications.

### Benefits:

Soft, conformable, and compliant

- use thinner pad to absorb larger tolerance range
- use of thinner pad reduces total thermal resistance
- take up larger tolerance stacks to eliminate costly secondary machining operations
- use single pad to cover multiple components

Highly compressible at low pressures with no lateral flow

- reduces mechanical stress on sensitive components

Physically robust, durable, easy to handle and install

- produced in continuous rolls suitable for automation
- no reinforcement layers (e.g., metal foil, fiberglass mesh, etc.)
- non-tacky surface allows for "no-mess" rework

Low in silicone content eliminates "silicone bleeding"

Electrically Insulative



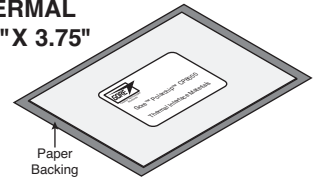
RoHS Compliant

## GORE™ POLARCHIP™ THERMAL MANAGEMENT PADS - 5.25" X 3.75" SAMPLE SHEETS

- Custom Die cut parts are available



RoHS Compliant



For quantities greater than listed, call for quote.

| MOUSER STOCK NO.               | Gore Part No. | Dimensions: in. (mm) | Price Each |       |       |       |
|--------------------------------|---------------|----------------------|------------|-------|-------|-------|
|                                |               |                      | 1          | 3     | 5     | 10    |
| <a href="#">880-CP6000-020</a> | CP6000-020    | 0.02" (0.5mm)        | 20.70      | 18.40 | 17.25 | 16.10 |
| <a href="#">880-CP6000-030</a> | CP6000-030    | 0.03" (0.75mm)       | 29.70      | 26.40 | 24.75 | 23.10 |
| <a href="#">880-CP6000-040</a> | CP6000-040    | 0.04" (1mm)          | 34.20      | 30.40 | 28.50 | 26.60 |
| <a href="#">880-CP8000-020</a> | CP8000-020    | 0.02" (0.5mm)        | 12.60      | 11.20 | 10.50 | 9.80  |
| <a href="#">880-CP8000-030</a> | CP8000-030    | 0.03" (0.75mm)       | 17.10      | 15.20 | 14.25 | 13.30 |
| <a href="#">880-CP8000-040</a> | CP8000-040    | 0.04" (1mm)          | 21.60      | 19.20 | 18.00 | 16.80 |
| <a href="#">880-CP8000-060</a> | CP8000-060    | 0.06" (1.5mm)        | 30.60      | 27.20 | 25.50 | 23.80 |

For quantities of 1000 and up, call for quote.

| MOUSER STOCK NO.                  | Gore Part No. | Fig. | Case Style     | Thermal Resistance @ 0.07Mpa (10psi) °C-cm2/W | Thermal Resistance @ 0.17Mpa (25psi) °C-cm2/W | Thermal Resistance @ 0.34Mpa (50psi) °C-cm2/W | Thermal Conductivity @ 0.07Mpa (10psi) °C-cm2/W | Thermal Conductivity @ 0.17Mpa (25psi) °C-cm2/W | Thermal Conductivity @ 0.34Mpa (50psi) °C-cm2/W | Price Each |      |      |     |     |
|-----------------------------------|---------------|------|----------------|---|---|---|---|---|---|------------|------|------|-----|-----|
|                                   |               |      |                |   |   |   |   |   |   | 1          | 10   | 50   | 100 | 500 |
| <a href="#">880-108TI-5193-02</a> | 108TI-5193-02 | A    | TO-3 Code 2    | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | 1.39       | 1.11 | 1.01 | .92 | .85 |
| <a href="#">880-108TI-5193-03</a> | 108TI-5193-03 | B    | TO-3 Code 4    | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | 1.23       | .98  | .89  | .81 | .75 |
| <a href="#">880-108TI-5193-04</a> | 108TI-5193-04 | C    | TO-3 Code 5    | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | 1.23       | .98  | .89  | .81 | .75 |
| <a href="#">880-108TI-5193-05</a> | 108TI-5193-05 | D    | TO-3 Code 7    | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | 1.39       | 1.11 | 1.01 | .92 | .85 |
| <a href="#">880-108TI-5193-06</a> | 108TI-5193-06 | E    | TO-3 Code 23   | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | 1.20       | .96  | .87  | .79 | .73 |
| <a href="#">880-108TI-5193-07</a> | 108TI-5193-07 | F    | TO-3 Code 24   | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | 1.36       | 1.09 | .99  | .90 | .83 |
| <a href="#">880-108TI-5193-08</a> | 108TI-5193-08 | G    | TO-66 Code 11  | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | 1.09       | .87  | .79  | .72 | .66 |
| <a href="#">880-108TI-5193-09</a> | 108TI-5193-09 | H    | TO-66 Code 30  | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | 1.04       | .83  | .75  | .68 | .63 |
| <a href="#">880-108TI-5193-10</a> | 108TI-5193-10 | I    | TO-220 Code 35 | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | .81        | .65  | .59  | .54 | .50 |
| <a href="#">880-108TI-5193-11</a> | 108TI-5193-11 | J    | TO-220 Code 51 | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | .81        | .65  | .59  | .54 | .50 |
| <a href="#">880-108TI-5193-12</a> | 108TI-5193-12 | K    | TO-220 Code 54 | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | .81        | .65  | .59  | .54 | .50 |
| <a href="#">880-108TI-5193-13</a> | 108TI-5193-13 | L    | TO-220 Code 58 | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | .81        | .65  | .59  | .54 | .50 |
| <a href="#">880-108TI-5193-14</a> | 108TI-5193-14 | M    | TO-220 Code 60 | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | .81        | .65  | .59  | .54 | .50 |
| <a href="#">880-108TI-5193-15</a> | 108TI-5193-15 | N    | TO-220 Code 61 | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | .81        | .65  | .59  | .54 | .50 |
| <a href="#">880-108TI-5193-16</a> | 108TI-5193-16 | O    | TO-220 Code 90 | 5.7   | 4.4   | 3.6   | 0.84  | 1.0   | 1.2   | .93        | .74  | .67  | .61 | .56 |