application notes ESD
precautions
thermal
management
n+ packages
device protected by
US patent 6.671.306 US patent 6.846.689 EU patent EP0984535

## Packaging Options

## nanoplus packaging options

nanoplus provides a wide variety of different packaging options from standard TO 5.6 mm headers to TO 5 headers and Butterfly packages with integrated TEC and thermistor and c-mounts.
Customer-specific packaging is also available upon request.
nanoplus also offers accessories such as laser sockets and heat sinks.

TO 5 with TEC and NTC

Pin Assignment

| 1: laser anode (+) | 5: thermistor |
| :--- | :--- |
| 2: laser cathode (-) | 6: thermistor |
| 3: TEC cathode (-) | 7: optional: thermistor/PD |
| 4: TEC anode (+) | 8: optional: thermistor/PD |



Pin Assignment

bottom view



1: laser anode (+) 5: thermistor

3: TEC cathode (-) 7: optional: thermistor/PD
4: TEC anode (+)
8: optional: thermistor/PD


All dimensions are in mm .

Nanosystems and GmbH
nanoplus




Pin Assignment


14-pin Butterfly Package with PM-fiber


Pin Assignment

| 1: thermistor | 14: $\mathrm{N} / \mathrm{C}$ |
| :--- | :--- |
| 2: thermistor | 13: $\mathrm{N} / \mathrm{C}$ |
| 3: $\mathrm{N} / \mathrm{C}$ | 12: LD cathode $(-)$ |
| 4: $\mathrm{N} / \mathrm{C}$ | 11: LD anode (+) |
| 5: $\mathrm{N} / \mathrm{C}$ | 10: $\mathrm{N} / \mathrm{C}$ |
| 6: TEC anode $(+)$ | 9: case ground |
| 7: TEC cathode $(-)$ | 8: case ground |



2: thermistor
13: N/C
3: N/C
cathode (-)
4: N/C
11: LD anode (+
10: N/C
6: TEC anode (+) 9: case ground

c-mount


Accessories

sockets

cube + collimator


All dimensions are in mm .
We will be happy to answer further questions. Please contact us at sales@nanoplus.com


