

## 7-1542002-1 Product Details

**Live Product Chat** US Only  
8:30am - 5pm ET, Mon - Fri



**7-1542002-1**

TE Part Number: 7-1542002-1

[Active](#)

[Add to Part List](#)

### Heat Sink Assemblies

[Converted to EU RoHS/ELV Compliant](#) ([Statement of Compliance](#))

#### Product Highlights:

- Heat Sink
- BGA
- Package Size = 45 [1.773] mm [in]
- For Use With BGA Semiconductor Packages
- Power Air Velocity Thermal Resistance

[View all Features](#) | [Find Similar Products](#)

### Quick Links

- [Check Pricing & Availability](#)
- [Search for Tooling](#)
- [Product Feature Selector](#)
- [Contact Us About This Product](#)

### Documentation & Additional Information

#### Product Drawings:

- None Available

#### Catalog Pages/Data Sheets:

- None Available

#### Product Specifications:

- None Available

#### Application Specifications:

- None Available

#### Instruction Sheets:

- None Available

#### CAD Files:

- None Available

#### Additional Information:

- [Product Line Information](#)

#### Additional Product Images:

- [Line Drawing](#)
- [Thermal Resistance Chart](#)

#### Related Products:

- [Tooling](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- [Product Type](#) = Heat Sink
- [Device Type](#) = BGA
- [For Use With](#) = BGA Semiconductor Packages
- Finish = Black Anodize
- Material = Die Cast Aluminum
- Comment = Mounting clip does not increase overall heat sink height.; Heat sink assembly includes Two Leg Standard Clip, Part Number 1542349-1.

#### Electrical Characteristics:

- [Heat Sink Type](#) = Unidirectional
- [Fan Type](#) = Ball/Sleeve Bearing

#### Termination Related Features:

- [Height \(mm \[in\]\)](#) = 11.68 [0.460]

#### Body Related Features:

- [Package Size \(mm \[in\]\)](#) = 45 [1.773]
- Flammability Rating = UL 94V-0

#### Configuration Related Features:

- [Diameter \(mm \[in\]\)](#) = 50.41 [1.985]

#### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Converted to comply with RoHS directive

#### Other:

- Brand = Tyco Electronics
- Line = ChipCoolers

### Interrelated Features

When Power (W) is:	And Air Velocity is:	Thermal Resistance (°C) is:
5.0	With Fan	1.25
10.0	With Fan	1.28
15.0	With Fan	1.26

[Provide Website Feedback](#) | [Need Help?](#)