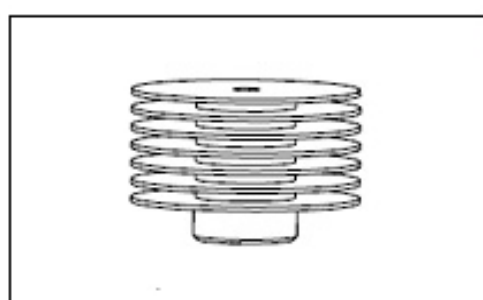


7-1542003-9 Product Details

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



7-1542003-9

TE Part Number: 7-1542003-9

✓ Active

➤ [Add to Part List](#)

Heat Sink Assemblies

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

Product Highlights:

- Heat Sink
- BGA
- Package Size = 21 [.827] 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:

- [21mm HEATSINK ASSEMBLY \(HTS645-U\)](#) (PDF, English)

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](#)

[List all Documents](#)

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 = Aluminum
- Comment = Mounting clip does not increase overall heat sink height.; Heat sink assembly includes Two Leg Clip, Part Number 1542431-1.

Electrical Characteristics:

- [Heat Sink Type](#) = 7 Fin Radial

Termination Related Features:

- [Height \(mm \[in\]\)](#) = 22.70 [0.894]

Body Related Features:

- [Package Size \(mm \[in\]\)](#) = 21 [.827]
- Flammability Rating = UL 94V-0

Configuration Related Features:

- [Diameter \(mm \[in\]\)](#) = 34.92 [1.375]

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	0 LFM	10.56
5.0	200 LFM	3.80
5.0	400 LFM	3.25
5.0	600 LFM	2.20
10.0	0 LFM	9.56
10.0	200 LFM	3.77
10.0	400 LFM	2.97
10.0	600 LFM	2.13
15.0	0 LFM	8.79
15.0	200 LFM	3.75
15.0	400 LFM	2.97
15.0	600 LFM	2.06