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Part Number:

1727181111

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit TPA2/Sigma Female Crimp Terminal, Phosphor Bronze, Pre-Plated Tin (Sn), 16 AWG, 1.98-2.55mm Insulation Diameter, Reel

Documents:

Drawing (PDF)

Product Specification 2131370000-PS-000 (PDF)

Product Specification PS-172718-0000-001 (PDF)

Application Specification AS-172718-0000-001 (PDF)

Packaging Specification PK-172718-0000-000 (PDF)

Packaging Specification PK-172718-0001-000 (PDF)

Test Summary 1727180001-TS-000 (PDF)

Test Summary 1727180002-TS-000 (PDF)

Test Summary 2131370001-TS-000 (PDF)

Test Summary 2131370002-TS-000 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------|
| General                        |                                                                                                                     |
| Product Family                 | Crimp Terminals                                                                                                     |
| Series                         | 172718                                                                                                              |
| Application                    | Power, Wire-to-Board, Wire-to-Wire                                                                                  |
| Comments                       | See product specification for current derating information.<br><br> See Mini-Fit TPA2 housing series for 3D models. |
| Crimp Quality Equipment        | Yes                                                                                                                 |
| Overview                       | Mini-Fit Family Power Connectors                                                                                    |
| Packaging Alternative          | 1727181112 (Bag)                                                                                                    |
| Product Name                   | Mini-Fit Sigma, Mini-Fit TPA2                                                                                       |
| Taxonomy                       | Crimp Terminals                                                                                                     |
| UPC                            | 889056179300                                                                                                        |
| Physical                       |                                                                                                                     |
| Durability (mating cycles max) | 30                                                                                                                  |
| Gender                         | Female                                                                                                              |
| Material - Metal               | Phosphor Bronze                                                                                                     |
| Material - Plating Mating      | Tin                                                                                                                 |
| Material - Plating Termination | Tin                                                                                                                 |
| Net Weight                     | 0.210/g                                                                                                             |
| Packaging Type                 | Reel                                                                                                                |
| Plating min - Mating           | 2.500µm                                                                                                             |
| Plating min - Termination      | 2.500µm                                                                                                             |
| Termination Interface: Style   | Crimp or Compression                                                                                                |
| Wire Insulation Diameter       | 1.98-2.55mm                                                                                                         |
| Wire Size AWG                  | 16                                                                                                                  |
| Wire Size mm²                  | N/A                                                                                                                 |
| Electrical                     |                                                                                                                     |
| Current - Maximum per Contact  | 11.0A                                                                                                               |
| Voltage - Maximum              | 600V AC/DC                                                                                                          |
| Solder Process Data            |                                                                                                                     |
| Lead-freeProcess Capability    | N/A                                                                                                                 |

|                               |                                        |
|-------------------------------|----------------------------------------|
| Material Info                 |                                        |
| Reference - Drawing Numbers   |                                        |
| Application Specification     | AS-172718-0000-001                     |
| Application Tooling Documents | ATS-639036700-001                      |
| Packaging Specification       | PK-172718-0000-000, PK-172718-0001-000 |
| Product Specification         | 2131370000-PS-000, PS-172718-0000-001  |
| Sales Drawing                 | SD-172718-0000-000                     |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2022)4187-DC (10 June 2022)             |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

172718 Series

Use With

Mini-Fit TPA2/Sigma Receptacle Housings 172708 , 200453

|                                                                                                                                                                                 |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Application Tooling   FAQ                                                                                                                                                       |            |
| Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document. |            |
| Global                                                                                                                                                                          |            |
| Description                                                                                                                                                                     | Product #  |
| Hand Crimp Tool for Mini-Fit TPA2 Male and Female Crimp Terminals, 16 AWG, Large and Small Insulation Grips                                                                     | 2002181700 |
| Extraction Tool for Mini-Fit TPA2 Crimp Terminal, 16-24 AWG                                                                                                                     | 638246210  |

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