

**Part Number: 71690-3504****4.20mm Mini-Fit® IDT Plug, Single Row, Tin/Lead (SnPb), 22 AWG Wire, 8 Circuits**

Image not available

**Status:** **OBSOLETE**  
**Replacement:** NONE  
**Series:** [71690](#)  
**Category:** IDT and Solder Connectors

Series image - Reference only

**Mates With Part(s):**[5557](#), [71694](#)**Product Environmental Compliance****EU RoHS:** ELV and RoHS Compliant**China RoHS:** **REACH SVHC:** Not Reviewed**Low-Halogen Status:** Not Reviewed**Part Detail****General**

|               |                                                                                       |
|---------------|---------------------------------------------------------------------------------------|
| <b>Status</b> | <b>Obsolete</b>                                                                       |
| Category      | IDT and Solder Connectors                                                             |
| Series        | <a href="#">71690</a>                                                                 |
| Obsolete Date | 2006/05/01                                                                            |
| Product Name  | Mini-Fit® IDT                                                                         |
| Use With      | <a href="#">711610801</a> Feed-Through Cover, <a href="#">711610802</a> Feed-to Cover |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | 8               |
| Circuits (maximum)             | 8               |
| Color - Resin                  | Natural         |
| Durability (mating cycles max) | 30              |
| Flammability                   | 94V-0           |
| Gender                         | Male            |
| Glow-Wire Compliant            | No              |
| Lock to Mating Part            | None            |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Tin             |
| Material - Plating Termination | Tin             |
| Material - Resin               | Polyester       |
| Number of Rows                 | 1               |
| Packaging Type                 | Bag             |
| Panel Mount                    | No              |
| Pitch - Mating Interface       | 4.20mm          |
| Plating min - Mating           | 2.540µm         |
| Plating min - Termination      | 2.540µm         |
| Stackable                      | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | IDT or Pierce   |
| Wire Size AWG                  | 22              |

**Electrical****(Please review the Product Specification for specific details.)**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 7A   |
| Voltage - Maximum             | 600V |

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**Material Info**

|     |              |
|-----|--------------|
| UPC | 800755011005 |
|-----|--------------|

**Reference - Drawing Numbers**

|                       |                                 |
|-----------------------|---------------------------------|
| Product Specification | PS-71690-001                    |
| Sales Drawing         | SDA-71690-****, SMES-71690-0000 |

**Application Tooling**

Tooling specifications and manuals are found by selecting the products below.

Crimp Height Specifications are then contained in the Application Tooling Specification document.

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**Global**

| <b>Description</b>                          | <b>Product #</b>           |
|---------------------------------------------|----------------------------|
| IDT - Semi-automatic - Bench-Top Terminator | <a href="#">0623000200</a> |
| IDT - Manual - Tool Kit                     | <a href="#">0011390277</a> |
| IDT - Manual - Handtool                     | <a href="#">0011390303</a> |

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**Crimp Quality Equipment**

[Molex also offers wire strippers, pull testers, shut-height gauges, micro-meters and more](#)

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**Previously Available Application Tooling**

[Check our list of old tooling that used to be available for this part](#)