



**Part Number :** [03091042](#)  
**Product Description :** 2.36mm Diameter  
Standard .093" Pin and Socket Receptacle Housing, 4  
Circuits, Single Row, Natural  
**Series Number :** 1490  
**Status :** Active  
**Product Category :** Connector Housings  
**Engineering Part Number :** 1490-R1



## Documents and Resources

### Drawings

[003091042\\_sd.pdf](#)  
[PK-1490-001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)

### Specifications

[PS-02-09-001.pdf](#)  
[PS-43660-9999-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                            |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                            |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                                          |
| REACH SVHC         | Not Contained per D(2025)7771-DC (04 Feb 2026)                                                          |
| EU RoHS            | Compliant per EU 2015/863                                                                               |

[Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

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## Part Details

### General

|              |                                                                                                   |
|--------------|---------------------------------------------------------------------------------------------------|
| Status       | Active                                                                                            |
| Category     | Connector Housings                                                                                |
| Series       | 1490                                                                                              |
| Description  | 2.36mm Diameter Standard .093" Pin and Socket Receptacle Housing, 4 Circuits, Single Row, Natural |
| Application  | Power, Wire-to-Wire                                                                               |
| Comments     | 14.0A max. can be achieved when housing is used with 42477 or 42478 terminals                     |
| Product Name | Standard .093"                                                                                    |
| UPC          | 800753615090                                                                                      |

### Agency

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

### Physical

|                    |         |
|--------------------|---------|
| Circuits Detail    | (1 x 4) |
| Circuits (maximum) | 4       |
| Color - Resin      | Natural |

|                               |                |
|-------------------------------|----------------|
| Flammability                  | 94V-2          |
| Gender                        | Receptacle     |
| Glow-Wire Capable             | No             |
| Material - Resin              | Nylon          |
| Net Weight                    | 2.179/g        |
| Number of Rows                | 1              |
| Packaging Type                | Bag            |
| Panel Mount                   | No             |
| Pitch - Mating Interface      | 5.03mm         |
| Pitch - Termination Interface | 5.03mm         |
| Stackable                     | No             |
| Temperature Range - Operating | -40° to +105°C |

### Solder Process Data

|                              |     |
|------------------------------|-----|
| Lead-Free Process Capability | N/A |
|------------------------------|-----|

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## Mates With / Use With

### Mates with Part(s)

| Description                                                                        | Part Number                     |
|------------------------------------------------------------------------------------|---------------------------------|
| 2.36mm Diameter Standard .093" Pin and Socket Plug Housing, 4 Circuits, Single Row | <a href="#"><u>03092041</u></a> |
| 2.36mm Diameter Standard .093" Pin and Socket Plug Housing, 4 Circuits, Single Row | <a href="#"><u>03092042</u></a> |
| Standard .093" Pin and Socket Vertical Headers                                     | <a href="#"><u>3099</u></a>     |

### Use with Part(s)

| Description                                          | Part Number                 |
|------------------------------------------------------|-----------------------------|
| Standard .093" Pin and Socket Female Crimp Terminals | <a href="#"><u>1189</u></a> |
| Standard .093" Pin and Socket Male Crimp Terminals   | <a href="#"><u>1190</u></a> |
| Standard .093" Pin and Socket Male Crimp Terminals   | <a href="#"><u>1380</u></a> |

|                                                                 |             |
|-----------------------------------------------------------------|-------------|
| Standard .093" Pin and Socket<br>Female Crimp Terminals         | <u>1381</u> |
| Standard .093" Pin and Socket<br>Male Crimp Terminal            | <u>1434</u> |
| Standard .093" Pin and Socket<br>Male Crimp Grounding Terminals | <u>1973</u> |