## Features:
- Protect sensor performance by inserting after reflow soldering process.
- Eliminate chance for damage to valuable sensors during exposure to heat and errant solder flux on glass components.
- Reduce costs by eliminating need for glass cleaning operations.

### Specifications:

**Terminals:**
- Brass - Copper Alloy (C36000) ASTM-B-16

**Contacts:**
- Beryllium Copper (C17200) ASTM-B-194

**Plating:**
- G - Gold over Nickel
- M - Matte Tin over Nickel
- T - Tin/Lead over Nickel

**Body Material:**
- F: FR-4 Glass Epoxy, U.L. Rated 94V-0

**Thermal Index:**
- -40°C to 140°C (-40°F to 284°F)

**Plating Details:**
- Gold per ASTM-B-488
- Matte Tin per ASTM545-97
- Tin/Lead per MIL-P-81728
- Nickel per QQ-N-290

**Catalog 16A**

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### Table of Models

<table>
<thead>
<tr>
<th>Standard Body</th>
<th>Recessed Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS</td>
<td>PR</td>
</tr>
<tr>
<td>PD</td>
<td>PL</td>
</tr>
</tbody>
</table>

#### Standard Body
- **PS:** Dual Row
- **PD:** Quad Row

#### Recessed Body
- **PR:** Dual Row
- **PL:** Quad Row

### Footprint-Specific Sockets

<table>
<thead>
<tr>
<th>PC</th>
<th>PF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open (Cutout)</td>
<td>Full (Solid)</td>
</tr>
</tbody>
</table>

**Shown above left with Kodak image sensor device, courtesy of Eastman Kodak Company, for demonstration purposes only.**

### How To Order

#### Dual Row and Quad Row Standard Sockets

- **Model Type:**
  - RoHS Compliant Insulators:
    - PS - Dual Row Standard
    - PR - Dual Row Recessed
    - PD - Quad Row Standard
    - PL - Quad Row Recessed

- **Body Type:**
  - F - FR-4

- **Row to Row Spacing:**
  - See table on next page

- **Pitch (Pin to Pin):**
  - A = .100/(2.54mm)
  - B = .070/(1.78mm) [dual row models only]
  - C = .050/(1.27mm) [dual row models only]

- **Contact Plating:**
  - RoHS Compliant:
    - G - Gold
    - T - Tin/Lead

- **Terminal Plating:**
  - RoHS Compliant:
    - G - Gold
    - M - Matte Tin
    - T - Tin/Lead

- **Model Type:**
  - RoHS Compliant Insulators:
    - PS - Open Body (Cutout)
    - PF - Full Body (Solid Wafer)

### Footprint-Specific Sockets

- **Footprint Dash #**
  - If Applicable*

- **Body Type:**
  - F - FR-4

- **Pitch (Pin to Pin):**
  - A = .100/(2.54mm)
  - B = .070/(1.78mm)
  - C = .050/(1.27mm)

- **Model Type:**
  - RoHS Compliant Insulators:
    - PC - Open Body (Cutout)
    - PF - Full Body (Solid Wafer)

- **Contact Plating:**
  - RoHS Compliant:
    - G - Gold
    - T - Tin/Lead

- **Terminal Plating:**
  - RoHS Compliant:
    - G - Gold
    - M - Matte Tin
    - T - Tin/Lead

- **Number of Positions**
  - Total number of pins per socket

**Footprint Dash #**

*Submit your device’s mechanical specs and we will create a footprint number for you.*
### Proteksion™ Image Sensor Sockets

#### Standard Terminals

<table>
<thead>
<tr>
<th>Type</th>
<th>.100/(2.54mm) Pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>.072 Dia. (1.83)</td>
<td>.165 (4.19)</td>
</tr>
<tr>
<td>.145 (3.68)</td>
<td>.125 (3.18)</td>
</tr>
<tr>
<td>.020 Dia. (.51)</td>
<td>.024 Dia. (.61)</td>
</tr>
</tbody>
</table>

#### 1.78mm and 1.27mm Pitch

<table>
<thead>
<tr>
<th>Type</th>
<th>.020 Dia. (.51)</th>
</tr>
</thead>
<tbody>
<tr>
<td>.062 Dia. (1.57)</td>
<td>.125 (3.18)</td>
</tr>
<tr>
<td>.300 (7.62)</td>
<td>.370 (9.40)</td>
</tr>
</tbody>
</table>

### Additional standard and custom terminals available.

See Terminals section or consult factory.

### Custom Options:

- Molded insulators
- Peel-A-Way® Removable Terminal Carriers for low profile applications
- Low, medium and high insertion force contacts

### Footprints:

- Virtually any footprint available.
- Submit your device’s mechanical specs and we will create a footprint number for you.
- Fully customizable.

#### Row to Row Spacing

Example Part Number: PLF18A056-141TG

### Code | inch | mm
--- | --- | ---
01 | 0.300 | 7.62
02 | 0.400 | 10.16
03 | 0.450 | 11.43
04 | 0.600 | 15.24
05 | 0.610 | 15.49
06 | 0.700 | 17.78
07 | 0.800 | 20.32
08 | 0.802 | 20.37
09 | 0.880 | 22.35
10 | 0.900 | 22.86
11 | 0.910 | 23.11
12 | 1.005 | 25.53
13 | 1.010 | 25.65
14 | 1.200 | 30.48
15 | 1.300 | 33.02
16 | 1.320 | 33.53
17 | 1.400 | 35.56
18 | 1.410 | 35.81
19 | 1.520 | 38.61
20 | 1.700 | 43.18
21 | 1.800 | 45.72
22 | 2.000 | 50.80
23 | 2.010 | 51.05
24 | 2.600 | 66.04

PC Board

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