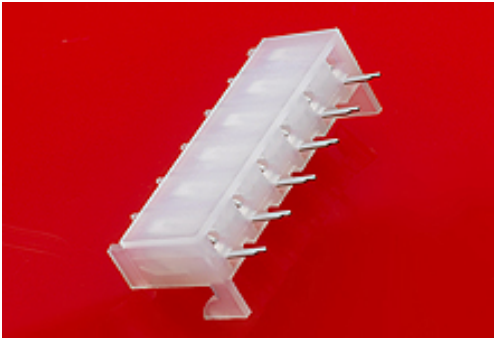


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**Part Number:** 0010021102  
**Status:** Active  
**Overview:** KK® 508 Connector System  
**Description:** KK® PC Board Connector, Bottom Entry Mount Style B, 1.00µm Tin (Sn), 10 Circuits

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-99020-0087-001 \(PDF\)](#)  
[Packaging Specification PK-3002-002 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

|                                                |                           |
|------------------------------------------------|---------------------------|
| <b>Agency Certification</b>                    |                           |
| CSA                                            | LR19980                   |
| UL                                             | E29179                    |
| <b>General</b>                                 |                           |
| Product Family                                 | PCB Receptacles           |
| Series                                         | 3002                      |
| Application                                    | Board-to-Board, Power     |
| Overview                                       | KK® 508 Connector System  |
| Product Name                                   | KK® 508                   |
| UPC                                            | 800753745384              |
| <b>Physical</b>                                |                           |
| Circuits (Loaded)                              | 10                        |
| Circuits (maximum)                             | 10                        |
| Color - Resin                                  | Natural                   |
| Durability (mating cycles max)                 | 25                        |
| Flammability                                   | 94V-2                     |
| Glow-Wire Compliant                            | No                        |
| Material - Metal                               | Phosphor Bronze           |
| Material - Plating Mating                      | Tin                       |
| Material - Plating Termination                 | Tin                       |
| Material - Resin                               | Nylon                     |
| Net Weight                                     | 2.455/g                   |
| Number of Rows                                 | 1                         |
| Orientation                                    | Bottom Entry              |
| PC Tail Length                                 | 4.10mm                    |
| PCB Locator                                    | No                        |
| PCB Retention                                  | None                      |
| PCB Thickness - Recommended                    | 1.60mm                    |
| Packaging Type                                 | Tray                      |
| Pitch - Mating Interface                       | 5.08mm                    |
| Pitch - Termination Interface                  | 5.08mm                    |
| Plating min - Mating                           | 1.016µm                   |
| Plating min - Termination                      | 1.016µm                   |
| Polarized to PCB                               | No                        |
| Temperature Range - Operating                  | See Product Specification |
| Termination Interface: Style                   | Through Hole              |
| <b>Electrical</b>                              |                           |
| Current - Maximum per Contact                  | 7.0A                      |
| Voltage - Maximum                              | 250V                      |
| <b>Solder Process Data</b>                     |                           |
| Duration at Max. Process Temperature (seconds) | 005                       |
| Lead-freeProcess Capability                    | WAVE                      |
| Max. Cycles at Max. Process Temperature        | 001                       |
| Process Temperature max. C                     | 260                       |



Series image - Reference only

**EU ELV**  
**Not Relevant**

**EU RoHS**  
**Compliant**  
**REACH SVHC**  
Not Contained Per  
-ED/01/2017 (12  
January 2017)  
**Halogen-Free**  
**Status**  
**Low-Halogen**  
**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**  
[3002](#) Series

**Mates With**  
[3003](#) , [2599](#)

**Material Info**

Engineering Number 300210B

**Reference - Drawing Numbers**

Packaging Specification PK-3002-002  
Product Specification PS-99020-0087-001  
Sales Drawing SDAE-3002-NB

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