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**Part Number:** [1730830012](#)  
**Status:** **Active**  
**Overview:** [KK 508 Connector System](#)  
**Description:** KK 508 Header, Vertical, with Polarizing Backwall, Tin (Sn) Plating, Glow-Wire Capable, 12 Circuits

**Documents:**

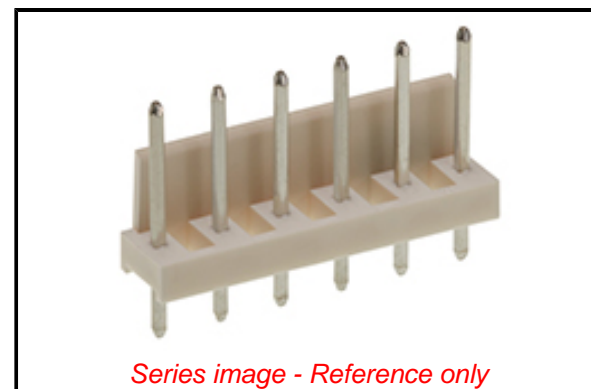
<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-88596-1132-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary TS-173083-0001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Symbol Footprint Data SYM-173083-0012 (PDF)</a>
<a href="#">Product Specification PS-173083-0001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification AS-173083-0001-001 (PDF)</a>	

**General**

Product Family	PCB Headers
Series	<a href="#">173083</a>
Application	Power, Wire-to-Board
Comments	This Molex product is manufactured from material that has the following ratings, tested by independent agencies:  a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC60695-2-13.  b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12.and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety; section 30 Resistance to heat and fire.    The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s).   If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.
Overview	<a href="#">KK 508 Connector System</a>
Product Name	KK 508
UPC	889056317641

**Physical**

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
Durability (mating cycles max)	25
First Mate / Last Break	No
Glow-Wire Capable	Yes
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	3.387/g
Number of Rows	1
Orientation	Vertical



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - D(2020)4578-DC (25 June 2020)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[173083 Series](#)

**Mates With**

[KK Glow-Wire Capable Crimp Housing 91813](#)

PC Tail Length	4.44mm
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Bag
Pitch - Mating Interface	5.08mm
Pitch - Termination Interface	5.08mm
Plating min - Mating	2.500µm
Plating min - Termination	2.500µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
Stackable	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +80°C
Termination Interface: Style	Through Hole

#### **Electrical**

Current - Maximum per Contact	7.0A
Voltage - Maximum	250V

#### **Solder Process Data**

Lead-free Process Capability	N/A
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#### **Material Info**

#### **Reference - Drawing Numbers**

Application Specification	AS-173083-0001-001
Packaging Specification	PK-88596-1132-000
Product Specification	PS-173083-0001-001
Sales Drawing	SD-173083-0001-000
Symbol/Footprint Data	SYM-173083-0012
Test Summary	TS-173083-0001-001

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