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Part Number: [0022053141](#)
Status: **Active**
Description: 2.54mm (.100") Pitch KK® Solid Header, Right Angle, with Friction Lock, 14 Circuits, Tin (Sn) Plating

Documents:

3D Model	Product Specification PS-10-07 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

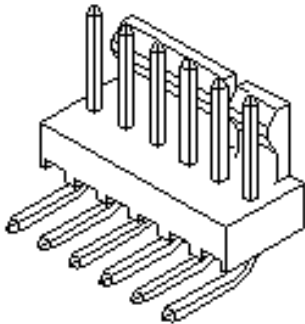
Product Family	PCB Headers
Series	7478
Application	Wire-to-Board
Product Name	KK®

Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Natural (White)
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.141 In
PC Tail Length (mm)	3.58 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Plating min: Mating (µin)	200
Plating min: Mating (µm)	5
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Partial
Stackable	Yes
Temperature Range - Operating	0°C to +75°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	4A
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*Series
image - Reference only*

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

Not Reviewed

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

China RoHS



Search Parts in this Series

[7478Series](#)

Mates With

[2695](#) , [6471](#) , [7880](#) , [4455](#) , [7720](#)

Voltage - Maximum	250V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	235
Material Info	
Old Part Number	A-7478-14A102
Reference - Drawing Numbers	
Product Specification	PS-10-07
Sales Drawing	SDA-7478

This document was generated on 04/09/2010

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	22-05-3081	A-7478-8A102	22-12-2084	A-7478-8A501	50-29-1715	A-7478-8A501T																																																				
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<table><tr><td rowspan="4">ADD P/N'S EC NO: UCP2006-1815 DRAWN BY: DRW:ADERR CHKD: AELHAG APPR: FSM TH Y9</td><td rowspan="8">DESCRIPTION 2006/02/06 2006/02/06 2006/02/09</td><td rowspan="8">QUALITY SYMBOLS ▽=0 ▽=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE IN/MM</td><td>SCALE ---</td><td>DESIGN UNITS INCH</td><td colspan="2">THIRD ANGLE PROJECTION</td><td colspan="2" rowspan="8">TITLE FRICTION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG. MOLEX INCORPORATED DOCUMENT NO. SDA-7478 SHEET NO. 3 OF 7</td></tr><tr><td>mm</td><td>INCH</td><td>DRAWN BY GUZIK</td><td>DATE 1987/07/10</td></tr><tr><td>4 PLACES ± ---</td><td>± ---</td><td>CHECKED BY PATEL</td><td>DATE 1987/07/10</td></tr><tr><td>3 PLACES ± ---</td><td>± ---</td><td>APPROVED BY LENZ</td><td>DATE 1987/07/10</td></tr><tr><td colspan="2">2 PLACES ± ---</td><td>± ---</td><td colspan="2">MATERIAL NO.</td><td colspan="2">SEE CHART</td></tr><tr><td colspan="2">1 PLACE ± ---</td><td>± ---</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td colspan="2">ANGULAR ± ---°</td><td colspan="2"></td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2"></td></tr></table>														ADD P/N'S EC NO: UCP2006-1815 DRAWN BY: DRW:ADERR CHKD: AELHAG APPR: FSM TH Y9	DESCRIPTION 2006/02/06 2006/02/06 2006/02/09	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		TITLE FRICTION LOCK HEADER ASY .100 CL BENT SQ PINS 7478 SERIES DWG. MOLEX INCORPORATED DOCUMENT NO. SDA-7478 SHEET NO. 3 OF 7		mm	INCH	DRAWN BY GUZIK	DATE 1987/07/10	4 PLACES ± ---	± ---	CHECKED BY PATEL	DATE 1987/07/10	3 PLACES ± ---	± ---	APPROVED BY LENZ	DATE 1987/07/10	2 PLACES ± ---		± ---	MATERIAL NO.		SEE CHART		1 PLACE ± ---		± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		ANGULAR ± ---°				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
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