

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0022057048](#)  
**Status:** **Active**  
**Overview:** [kk](#)  
**Description:** 2.54mm (.100") Pitch KK® Wire-to-Board Header, Right Angle, with Friction Lock, 4 Circuits

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                             | <a href="#">Product Specification PS-99020-0088 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                        | <a href="#">RoHS Certificate of Compliance (PDF)</a>      |
| <a href="#">Product Specification PS-10-07 (PDF)</a> |   |

**Agency Certification**

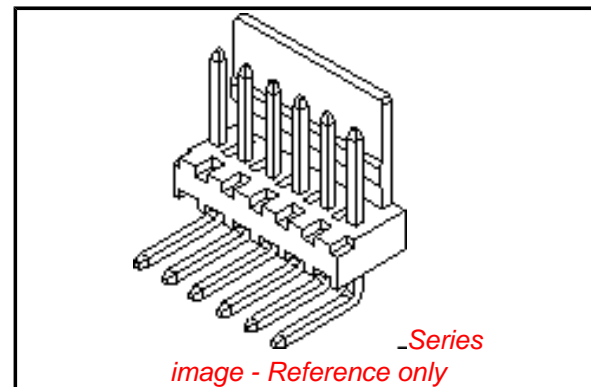
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                      |
|----------------|----------------------|
| Product Family | PCB Headers          |
| Series         | <a href="#">7395</a> |
| Application    | Wire-to-Board        |
| Overview       | <a href="#">kk</a>   |
| Product Name   | KK®                  |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 4               |
| Circuits (maximum)             | 4               |
| Color - Resin                  | Natural (White) |
| Durability (mating cycles max) | 25              |
| First Mate / Last Break        | No              |
| Flammability                   | 94V-0           |
| Glow-Wire Compliant            | No              |
| 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           |
| Number of Rows                 | 1               |
| Orientation                    | Right Angle     |
| PC Tail Length (in)            | 0.150 In        |
| PC Tail Length (mm)            | 3.80 mm         |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| Packaging Type                 | Bag             |
| Pitch - Mating Interface (in)  | 0.100 In        |
| Pitch - Mating Interface (mm)  | 2.54 mm         |
| Pitch - Term. Interface (in)   | 0.100 In        |
| Pitch - Term. 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               | No              |
| Shrouded                       | No              |



**EU RoHS**

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

**China RoHS**



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

Email [productcompliance@molex.com](mailto: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.

**Search Parts in this Series**

[7395Series](#)

**Mates With**

[2695](#) KK® Crimp Terminal Housing. [6471](#) KK® Crimp Terminal Housing. [7720](#) KK® IDT Double Cantilever

|                                |                 |
|--------------------------------|-----------------|
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 4A   |
| 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                     | 230                    |

**Material Info**

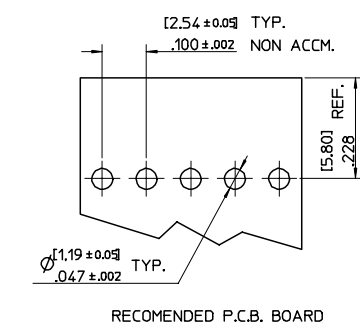
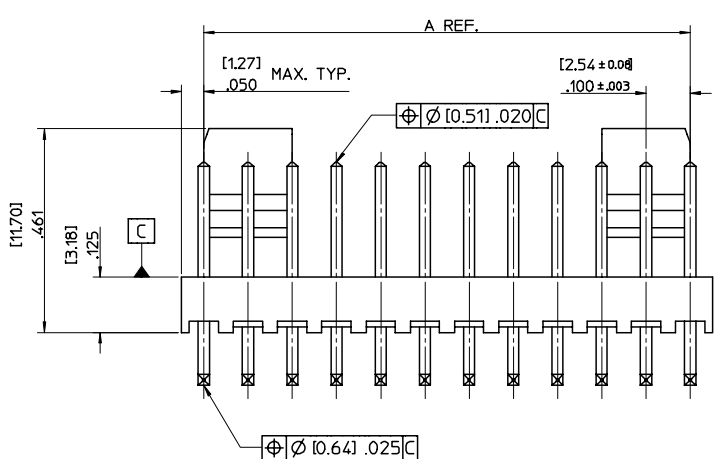
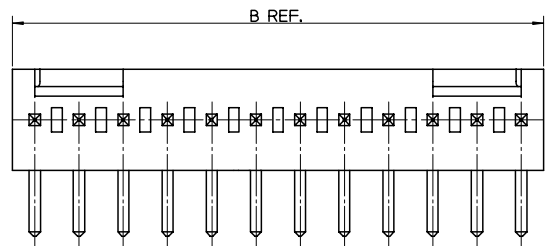
|                 |            |
|-----------------|------------|
| Old Part Number | AE-7395-4B |
|-----------------|------------|

**Reference - Drawing Numbers**

|                         |                         |
|-------------------------|-------------------------|
| Packaging Specification | PK-7478-001             |
| Product Specification   | PS-10-07, PS-99020-0088 |
| Sales Drawing           | SD-7395-001             |

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AE-7395-N B

NO. OF CCTS.

WAFER ASSY. OPTION

PLATING TYPE  
BLANK: TIN  
G: GOLD

| NO. OF CCTS | DIM. A     | DIM. B     |
|-------------|------------|------------|
| 2           | 2.54/100   | 5.08/200   |
| 3           | 5.08/200   | 7.62/300   |
| 4           | 7.62/300   | 10.16/400  |
| 5           | 10.16/400  | 12.70/500  |
| 6           | 12.70/500  | 15.24/600  |
| 7           | 15.24/600  | 17.78/700  |
| 8           | 17.78/700  | 20.32/800  |
| 9           | 20.32/800  | 22.86/900  |
| 10          | 22.86/900  | 25.40/1000 |
| 11          | 25.40/1000 | 27.94/1100 |
| 12          | 27.94/1100 | 30.48/1200 |
| 13          | 30.48/1200 | 33.02/1300 |
| 14          | 33.02/1300 | 35.56/1400 |
| 15          | 35.56/1400 | 38.10/1500 |
| 16          | 38.10/1500 | 40.64/1600 |
| 17          | 40.64/1600 | 43.18/1700 |
| 18          | 43.18/1700 | 45.72/1800 |
| 19          | 45.72/1800 | 48.26/1900 |
| 20          | 48.26/1900 | 50.80/2000 |

PIN FINISH:  
[0.005]/0.0002 MIN. TIN  
OVER  
[0.003]/0.0001 MIN. COPPER

PIN FINISH:  
[0.0005]/0.00002 MIN. GOLD  
OVER  
[0.0008]/0.00003 MIN. NICKEL

| ENG. NO.    | PART NO.   | ENG. NO.     | PART NO.   |
|-------------|------------|--------------|------------|
| AE-7395-2B  | 22-05-7028 | AE-7395-2BG  | 22-12-4022 |
| AE-7395-3B  | 22-05-7038 | AE-7395-3BG  | 22-12-4032 |
| AE-7395-4B  | 22-05-7048 | AE-7395-4BG  | 22-12-4042 |
| AE-7395-5B  | 22-05-7058 | AE-7395-5BG  | 22-12-4052 |
| AE-7395-6B  | 22-05-7068 | AE-7395-6BG  | 22-12-4062 |
| AE-7395-7B  | 22-05-7078 | AE-7395-7BG  | 22-12-4072 |
| AE-7395-8B  | 22-05-7088 | AE-7395-8BG  | 22-12-4082 |
| AE-7395-9B  | 22-05-7098 | AE-7395-9BG  | 22-12-4092 |
| AE-7395-10B | 22-05-7108 | AE-7395-10BG | 22-12-4102 |
| AE-7395-11B | 22-05-7118 | AE-7395-11BG | 22-12-4112 |
| AE-7395-12B | 22-05-7128 | AE-7395-12BG | 22-12-4122 |
| AE-7395-13B | 22-05-7138 | AE-7395-13BG | 22-12-4132 |
| AE-7395-14B | 22-05-7148 | AE-7395-14BG | 22-12-4142 |
| AE-7395-15B | 22-05-7158 | AE-7395-15BG | 22-12-4152 |
| AE-7395-16B | 22-05-7168 | AE-7395-16BG | 22-12-4162 |
| AE-7395-17B | 22-05-7178 | AE-7395-17BG | 22-12-4172 |
| AE-7395-18B | 22-05-7188 | AE-7395-18BG | 22-12-4182 |
| AE-7395-19B | 22-05-7198 | AE-7395-19BG | 22-12-4192 |
| AE-7395-20B | 22-05-7208 | AE-7395-20BG | 22-12-4202 |

- NOTES:-
1. MATERIALS:  
WAFER: NYLON 6/6, UL 94, V-0, NATURAL COLOUR  
PIN: [0.64]/0.25 SQUARE HARD DRAWN BRASS  
FINISH: SEE CHART
  2. PIN SOLDERABILITY PER MOLEX SPECIFICATION NUMBER 152
  3. PIN PUSH OUT FORCE [0.907 KG]/2.0 LBS MIN.
  4. PARTS TO BE FLAT WITHIN [0.13]/0.005 IN/IN
  5. WAFERS STACKABLE END TO END

|  |                               |   |                            |                         |                        |   |  |
|--|-------------------------------|---|----------------------------|-------------------------|------------------------|---|--|
| ORIGINAL RELEASE<br>EC NO. E2005-1071<br>DRAWN: JDENNEHY 2005/06/20<br>CHKD: GMCWEENEY 2005/06/20<br>APPR: JDENNEHY 2005/07/07 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)   | DIMENSION STYLE<br>MM ONLY | SCALE<br>5:1            | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION  |  |
| REV A  | DESCRIPTION                   | mm  | INCH                       | DRAWN BY<br>JDENNEHY    | DATE<br>2005/05/13     | TITLE<br>WAFER, R/A FRICTION LOCK<br>(2.54)/.100 CENTERS<br>(0.64)/.025 SQ. PIN |  |
|  |                               | 4 PLACES ± ---  | ± ---                      | CHECKED BY<br>GMCWEENEY | DATE<br>2005/05/27     | MATERIAL NO.<br>SD-7395-001   |  |
|  |                               | 3 PLACES ± ---  | ± .010                     | APPROVED BY<br>JDENNEHY | DATE<br>2005/05/27     | DOCUMENT NO.<br>SD-7395-001   |  |
|  |                               | 2 PLACES ± 0.25   | ± .015                     |                         |                        | SHEET NO.<br>1 OF 1   |  |
|  |                               | 1 PLACE ± 0.38  | ± ---                      |                         |                        |   |  |
|  |                               | ANGULAR ± 2 °   |                            |                         |                        |   |  |
|  |                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS  |                            |                         |                        |   |  |
|  |                               | SEE CHART   |                            |                         |                        |   |  |
|  |                               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                         |                        |   |  |