

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

**Part Number:** [0022124152](#)  
**Status:** **Active**  
**Overview:** [kk](#)  
**Description:** 2.54mm (.100") Pitch KK® Wire-to-Board Header, Right Angle, with Friction Lock, 15 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-99020-0088 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

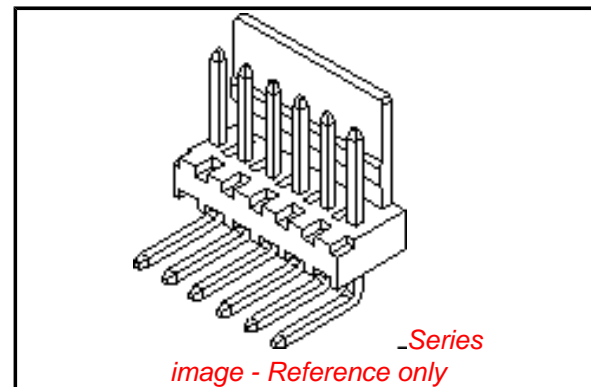
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [7395](#)  
 Application Wire-to-Board  
 Overview [kk](#)  
 Product Name KK®

**Physical**

Breakaway No  
 Circuits (Loaded) 15  
 Circuits (maximum) 15  
 Color - Resin Natural (White)  
 Durability (mating cycles max) 100  
 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 Gold  
 Material - Plating Termination Gold  
 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  
 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) 20  
 Plating min: Mating (µm) 0.5  
 Plating min: Termination (µin) 20  
 Plating min: Termination (µm) 0.5  
 Polarized to PCB Yes  
 Shrouded Partial  
 Stackable No  
 Temperature Range - Operating 0°C to +75°C



**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

Termination Interface: Style

Through Hole

**Electrical**

Current - Maximum per Contact

4A

Voltage - Maximum

250V

**Solder Process Data**

Lead-free Process Capability

Wave Capable (TH only)

**Material Info**

Old Part Number

739515BG

**Reference - Drawing Numbers**

Packaging Specification

PK-7478-001

Product Specification

PS-99020-0088

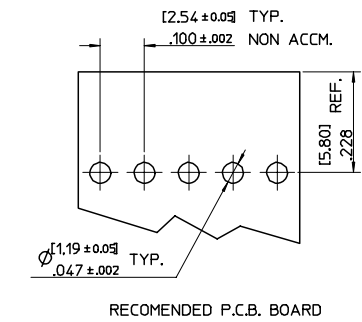
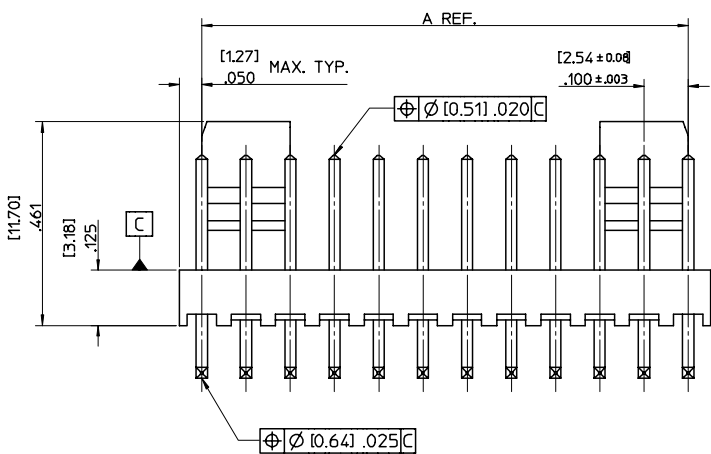
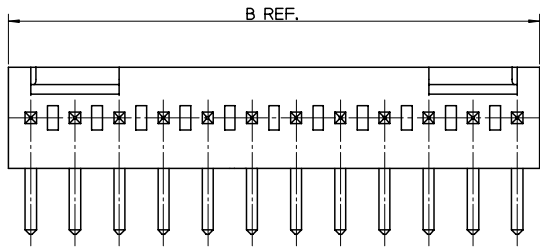
Sales Drawing

SD-7395-001

This document was generated on 05/24/2010

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13 12 11 10 9 8 7 6 5 4 3 2 1



AE-7395-N B

NO. OF CCTS.

WAFER ASSY. OPTION

PLATING TYPE  
BLANK: TIN  
G: GOLD

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

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

ENG. NO.	PART NO.
AE-7395-2B	22-05-7028
AE-7395-3B	22-05-7038
AE-7395-4B	22-05-7048
AE-7395-5B	22-05-7058
AE-7395-6B	22-05-7068
AE-7395-7B	22-05-7078
AE-7395-8B	22-05-7088
AE-7395-9B	22-05-7098
AE-7395-10B	22-05-7108
AE-7395-11B	22-05-7118
AE-7395-12B	22-05-7128
AE-7395-13B	22-05-7138
AE-7395-14B	22-05-7148
AE-7395-15B	22-05-7158
AE-7395-16B	22-05-7168
AE-7395-17B	22-05-7178
AE-7395-18B	22-05-7188
AE-7395-19B	22-05-7198
AE-7395-20B	22-05-7208

ENG. NO.	PART NO.
AE-7395-2BG	22-12-4022
AE-7395-3BG	22-12-4032
AE-7395-4BG	22-12-4042
AE-7395-5BG	22-12-4052
AE-7395-6BG	22-12-4062
AE-7395-7BG	22-12-4072
AE-7395-8BG	22-12-4082
AE-7395-9BG	22-12-4092
AE-7395-10BG	22-12-4102
AE-7395-11BG	22-12-4112
AE-7395-12BG	22-12-4122
AE-7395-13BG	22-12-4132
AE-7395-14BG	22-12-4142
AE-7395-15BG	22-12-4152
AE-7395-16BG	22-12-4162
AE-7395-17BG	22-12-4172
AE-7395-18BG	22-12-4182
AE-7395-19BG	22-12-4192
AE-7395-20BG	22-12-4202

NOTES:-

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

ORIGINAL RELEASE  
EC NO. E2005-1071  
DRAWN: JDENNEHY 2005/06/20  
CHKD: GMCWEENEY 2005/06/20  
APPR: JDENNEHY 2005/07/07

QUALITY SYMBOLS  
=0  
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± .010
2 PLACES ± 0.25	± .015
1 PLACE ± 0.38	± ---
ANGULAR ± 2 °	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
JDENNEHY	2005/05/13
CHECKED BY	DATE
GMCWEENEY	2005/05/27
APPROVED BY	DATE
JDENNEHY	2005/05/27
MATERIAL NO.	DOCUMENT NO.
	SD-7395-001

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
5:1	METRIC	☉
WAFER, R/A FRICTION LOCK (2.54)/.100 CENTERS (0.64)/.025 SQ. PIN		
MOLEX INCORPORATED		
SHEET NO.		1 OF 1

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

SEE CHART

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12 11 10 9 8 7 6 5 4 3 2 1