

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

**Part Number:** [0022031182](#)  
**Status:** **Active**  
**Description:** 2.5mm B-To-B Hdr SR VerB 18Ckt

**Documents:**

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

**Agency Certification**

CSA LR19980

**General**

Product Family PCB Headers  
 Series [3022](#)  
 Application Wire-to-Board  
 Product Name KK®

**Physical**

Breakaway No  
 Circuits (Loaded) 18  
 Circuits (maximum) 18  
 Color - Resin Natural (White)  
 Durability (mating cycles max) 25  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Material - Metal Brass  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin Nylon  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length (in) 0.135 In  
 PC Tail Length (mm) 3.43 mm  
 PCB Locator No  
 Packaging Type Bag  
 Pitch - Mating Interface (in) 0.098 In  
 Pitch - Mating Interface (mm) 2.50 mm  
 Pitch - Term. Interface (in) 0.098 In  
 Pitch - Term. Interface (mm) 2.50 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 No  
 Polarized to PCB No  
 Shrouded No  
 Stackable Yes  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 3A  
 Voltage - Maximum 250V

**Material Info**

Old Part Number 3022-18B

**EU RoHS**

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

**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**

[3022Series](#)

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

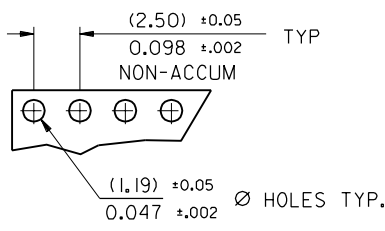
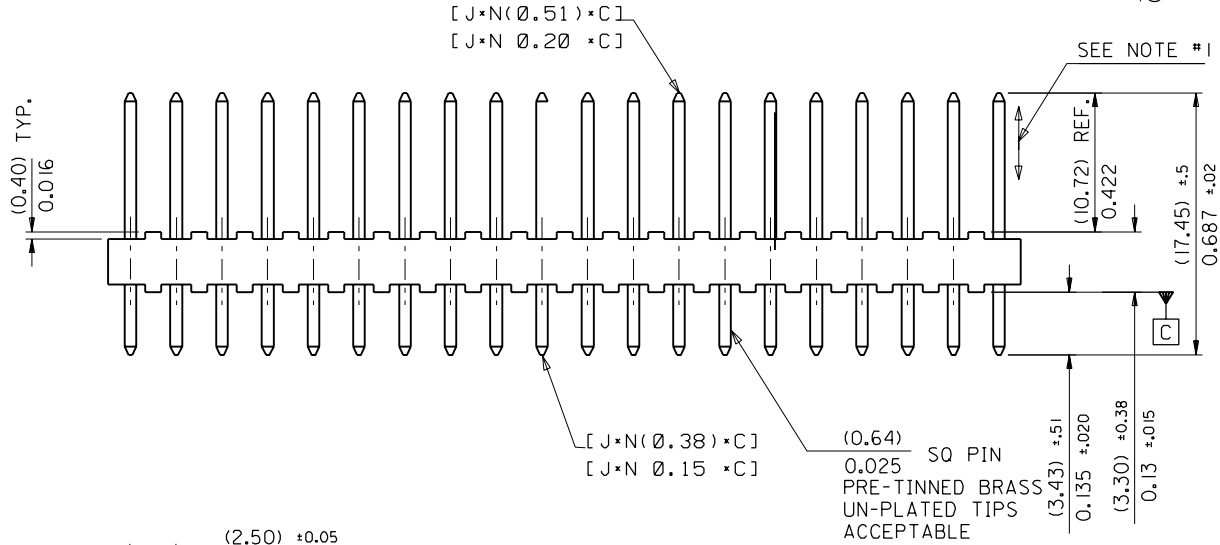
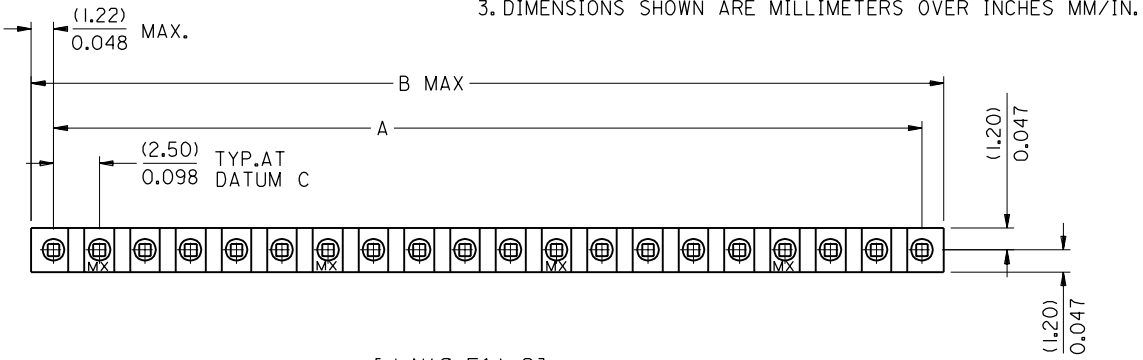
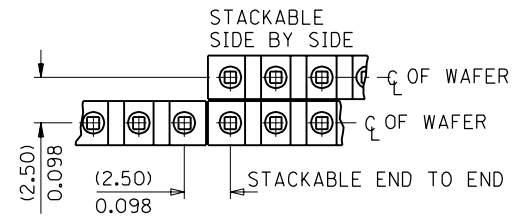
PS-99020-0088  
SDAE-3022-NB

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PART NO. 22-03-1-1-2  
 DWG. NO. SDAE-3022-NB

NOTES :  
 1. PIN PUSH OUT FORCE: 2 LBS. MIN.  
 2. PIN SOLDERABILITY PER MOLEX ENG. STD. No. 53  
 3. DIMENSIONS SHOWN ARE MILLIMETERS OVER INCHES MM/IN.



RECOMMENDED P.C. BOARD HOLE DIMENSIONS

22-03-1202	AE-3022-20B	20	(47.5) ±.25 1.870 ±.010	(49.9) ±.010 1.965 ±.010
-1192	-19B	19	(45.0) ±.23 1.772 ±.009	(47.4) ±.009 1.866 ±.009
-1182	-18B	18	(42.5) ±.23 1.674 ±.009	(44.9) ±.009 1.768 ±.009
-1172	-17B	17	(40.0) ±.20 1.575 ±.008	(42.4) ±.008 1.669 ±.008
-1162	-16B	16	(37.5) ±.20 1.477 ±.008	(39.9) ±.008 1.571 ±.008
-1152	-15B	15	(35.0) ±.20 1.378 ±.008	(37.4) ±.008 1.472 ±.008
-1142	-14B	14	(32.5) ±.18 1.280 ±.007	(34.9) ±.007 1.374 ±.007
-1132	-13B	13	(30.0) ±.18 1.181 ±.007	(32.4) ±.007 1.276 ±.007
-1122	-12B	12	(27.5) ±.18 1.083 ±.007	(29.9) ±.007 1.177 ±.007
-1112	-11B	11	(25.0) ±.15 .984 ±.006	(27.4) ±.006 1.079 ±.006
-1102	-10B	10	(22.5) ±.15 .886 ±.006	(24.9) ±.006 .980 ±.006
-1092	-9B	9	(20.0) ±.13 .787 ±.005	(22.4) ±.005 .882 ±.005
-1082	-8B	8	(17.5) ±.13 .689 ±.005	(19.9) ±.005 .783 ±.005
-1072	-7B	7	(15.0) ±.13 .591 ±.005	(17.4) ±.005 .685 ±.005
-1062	-6B	6	(12.5) ±.10 .492 ±.004	(14.9) ±.004 .587 ±.004
-1052	-5B	5	(10.0) ±.10 .394 ±.004	(12.4) ±.004 .488 ±.004
-1042	-4B	4	(7.5) ±.10 .295 ±.004	(9.9) ±.004 .390 ±.004
-1032	-3B	3	(5.0) ±.10 .197 ±.004	(7.4) ±.004 .291 ±.004
22-03-1022	AE-3022-2B	2	(2.5) ±.10 .098 ±.004	(4.9) ±.004 .193 ±.004

MAT'L: NYLON 6/6, 94V-0

REDRAWN ON CAD EC NO. E80290 DRWN: P. MOORE 98/01/29 CH'K: / / / APPR: / / /	QUALITY SYMBOLS MAJOR = CRITICAL = C =	GENERAL TOLERANCES: (UNLESS SPECIFIED) mm    INCH 4 PLACES ±0.    ±. 3 PLACES ±0.    ±.008 2 PLACES ±0.2    ±.016 1 PLACE ±0.4    ±. ANGULAR: ± 1/2 °	SCALE 4 : 1 DESIGN UNITS <input checked="" type="checkbox"/> mm <input checked="" type="checkbox"/> INCH DRAWN BY & DATE P. MOORE 98/01/29 CHECKED BY & DATE O. COSTEL 98/04/08 APPROVED BY & DATE M. WILHIT 98/04/08	DIMENSIONS: <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH <input type="checkbox"/> mm ONLY TITLE: <b>WAFER-FLAT KK (2.5)/.098          0.025 SO. PIN</b>	SHT REV REVISE ON CAD ONLY
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	