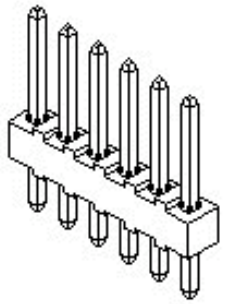
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0022031161
Status: Active
Overview: kk
Description: 2.50mm (.098") Pitch Header, Single Row, 7.50mm (.295") Mating Pin Length, 16 Circuits



Series image - Reference only

Documents:

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

Agency Certification

UL	E29179

General

Product Family	PCB Headers
Series	3022
Application	Wire-to-Board
Overview	kk
Product Name	KK®

Physical

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
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	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.134 In
PC Tail Length (mm)	3.40 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)	0.098 In
Pitch - Mating 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	No
Temperature Range - Operating	-40°C to +105°C

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
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

Mates With
3024 KK® Board-to-Board Receptacle

Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	3A
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	3022-16A

Reference - Drawing Numbers

Product Specification	PS-99020-0088
Sales Drawing	SD-3022-NA, SDAE-3022-NA-*

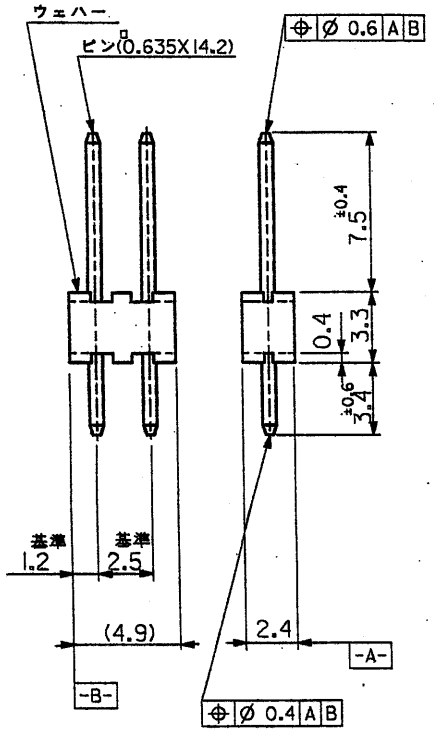
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

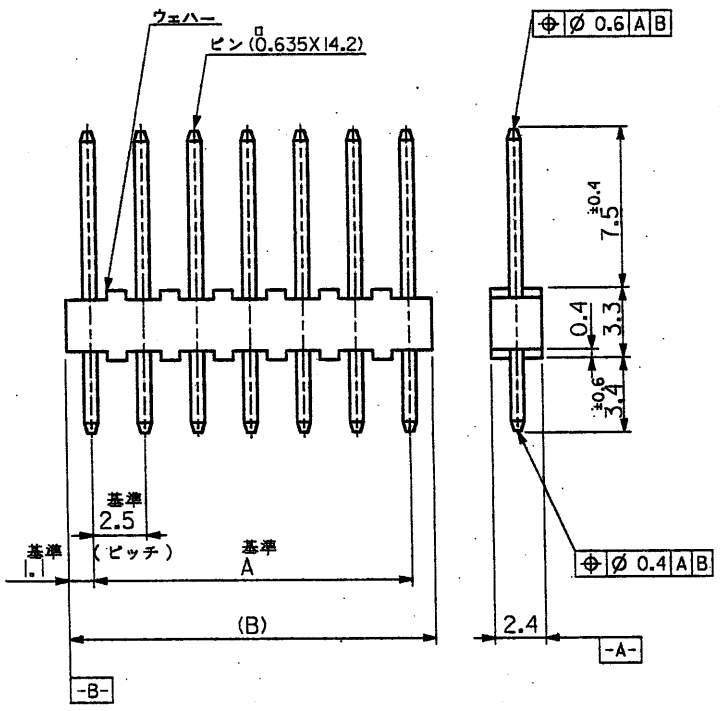
ENG. NO SD -3022-NA

EDP NO. 22-03-1**1

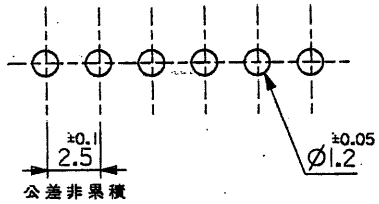
:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING



2 極



3 極 ~ 2 0 極



基板取付穴推奨寸法

47.5	49.7	22-03 -1201	3022 -20A	20
45	47.2	-1191	-19A	19
42.5	44.7	-1181	-18A	18
40	42.2	-1171	-17A	17
37.5	39.7	-1161	-16A	16
35	37.2	-1151	-15A	15
32.5	34.7	-1141	-14A	14
30	32.2	-1131	-13A	13
27.5	29.7	-1121	-12A	12
25	27.2	-1111	-11A	11
22.5	24.7	-1101	-10A	10
20	22.2	-1091	-09A	9
17.5	19.7	-1081	-08A	8
15	17.2	-1071	-07A	7
12.5	14.7	-1061	-06A	6
10	12.2	-1051	-05A	5
7.5	9.7	-1041	-04A	4
5	7.2	-1031	-03A	3
2.5	4.9	22-03 -1021	3022 -02A	2
A	(B)	EDP. NO	ENG. NO.	極数

NOTES:

1. ウェハーのソリは、長さ２５．４mmに対して０．２mmMAX.
2. (　　)内寸法は参考値。

角度 ANGLE	±3°
30 以上 OVER	±0.3
10 以上 OVER 30 未満 UNDER	±0.25
10 未満 UNDER	±0.2
一般公差 GENERAL TOLERANCES	

記号 LTR	変更内容 REVISION RECORD	DR. CHK.	日付 DATE
N	REDRAWN W/O CHANGE ECN. NO.4479	K.K	11/6/'85
REVISE ONLY ON CAD SYSTEM			

材料 MATERIAL
ウェハー:66ナイロン,UL94V-0
ピン：黄銅，銅下付錫メッキ

仕上げ FINISH —//—

適用電線範囲 WIRE RANGE —//—

被覆外径 INS. RANGE —//—

DRAWN BY 10/8/'88 K.KAMATA

CHK'D BY

APP'D BY

尺度 SCALE 4 - 1

MOLEX-JAPAN CO.,LTD.
日本モレックス株式会社

EDP. NO.
22 - 03 - 1**1

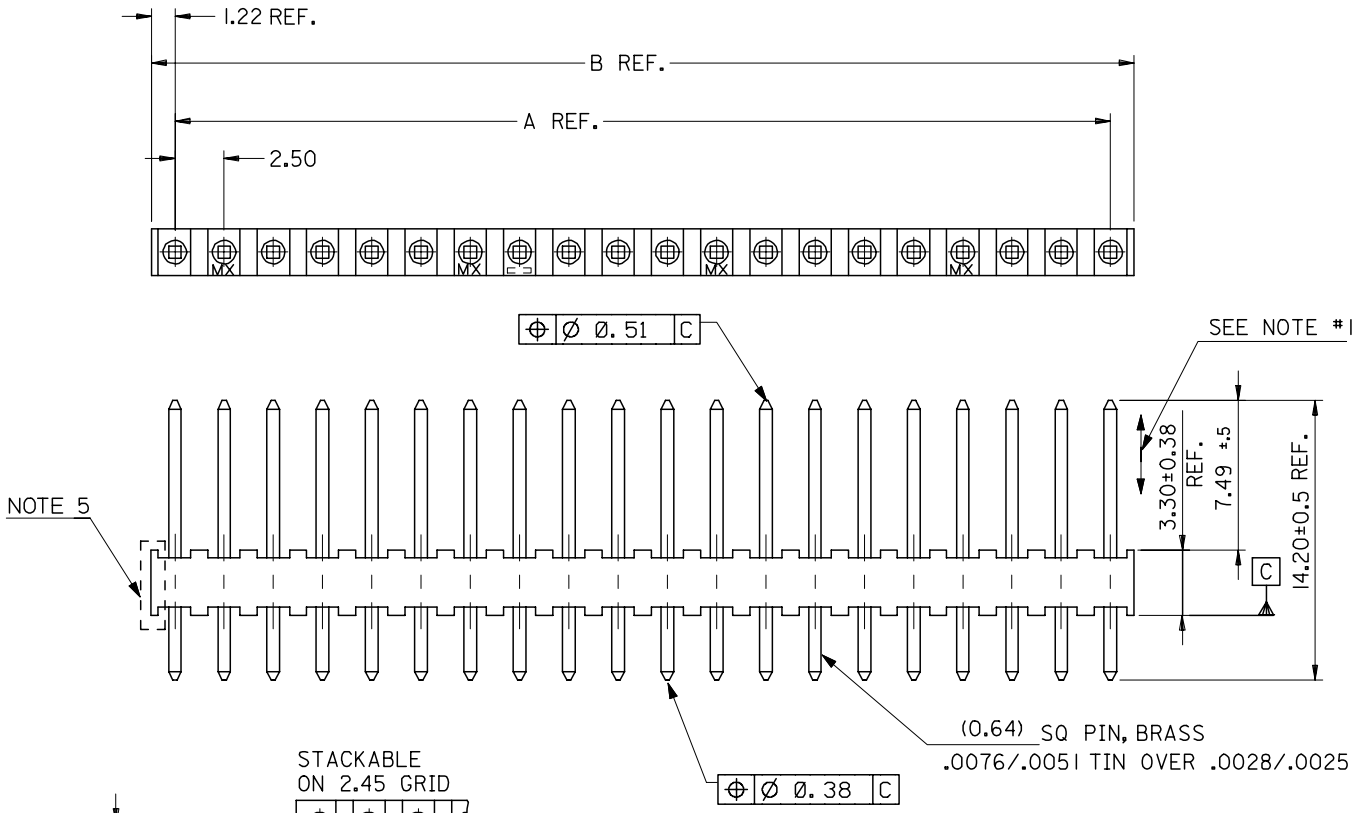
ENG. NO.
SD -3022-NA

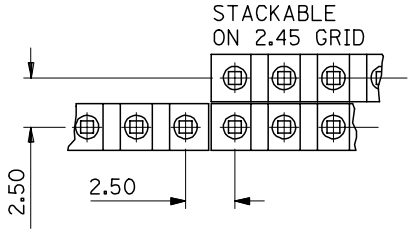
REV
N

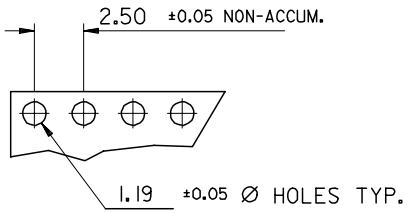
TITLE 名称
KK 2.5 WAFER ASS'Y

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MXJ-8







RECOMMENDED P.C. BOARD
HOLE DIMENSIONS

PART No.	ENG. No.	No OF CKTS.	DIM. A	DIM. B
NOT TOOLED	AE-3022-25A	25	60.0	62.4
22-03-1221	AE-3022-22A	22	52.5	54.9
22-03-1211	21A	21	50.0	52.4
22-03-1201	20A	20	47.5	49.9
-1191	19A	19	45.0	47.4
-1181	18A	18	42.5	44.9
-1171	17A	17	40.0	42.4
-1161	16A	16	37.5	39.9
-1151	15A	15	35.0	37.4
-1141	14A	14	32.5	34.9
-1131	13A	13	30.0	32.4
-1121	12A	12	27.5	29.9
-1111	11A	11	25.0	27.4
-1101	10A	10	22.5	24.9
-1091	9A	9	20.0	22.4
-1081	8A	8	17.5	19.9
-1071	7A	7	15.0	17.4
-1061	6A	6	12.5	14.9
-1051	5A	5	10.0	12.4
-1041	4A	4	7.5	9.9
-1031	3A	3	5.0	7.4
22-03-1021	AE-3022 -2A	2	2.5	4.9

NOTES :
1. PIN PUSH OUT FORCE: 2 LBS. MIN.
2. PIN SOLDERABILITY PER MOLEX ENG. STD. No. 152
3. DIMENSIONS SHOWN ARE MILLIMETERS.
4. CODE LETTER PRECEDING PART No. DESIGNATES MANUFACTURING LOCATION. I = IRELAND
5. MXI: STEP ON ALL CCT SIZES
   MXJ: STEP ON 2 CCT SIZE ONLY

MAT'L: NYLON BASFKR4205 PER ES-128B.

ADD NOTE 5
EC NO: E2007-0275 2006/10/13
DRWN: DCARTON 2006/10/16
CHKD:
APPR: EOMAHONY 2006/10/17
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: PMOORE DATE: 1998/01/10
CHECKED BY: DCOSTEL DATE: 1998/04/08
APPROVED BY: MWILHITE DATE: 1998/04/08
MATERIAL NO.: SEE CHART

TITLE: MINI-KON WAFER 2.5 CEN ASSY

MOLEX INCORPORATED

DOCUMENT NO.: SDAE-3022-NA-*
SHEET NO.: 1 OF 3

SIZE A3

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