# 2.54mm (.100") Pitch KK® Solid Header

# 6373 Vertical Friction Lock

## FEATURES AND SPECIFICATIONS

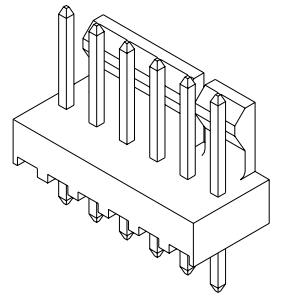
***Features and Benefits***
- Sizes 2 to 28 circuits
- Friction lock provides passive lock to connector with ramp
- Good in high vibration applications
- Various pin lengths available
- Voided circuits available (contact Molex)

***Reference Information***
Product Specification: PS-10-07
Packaging: Bag
UL File No.: E29179
CSA File No.: LR19980
Mates With: 2695, 4455, 6471, 7220 and 7880
Designed In: Inches

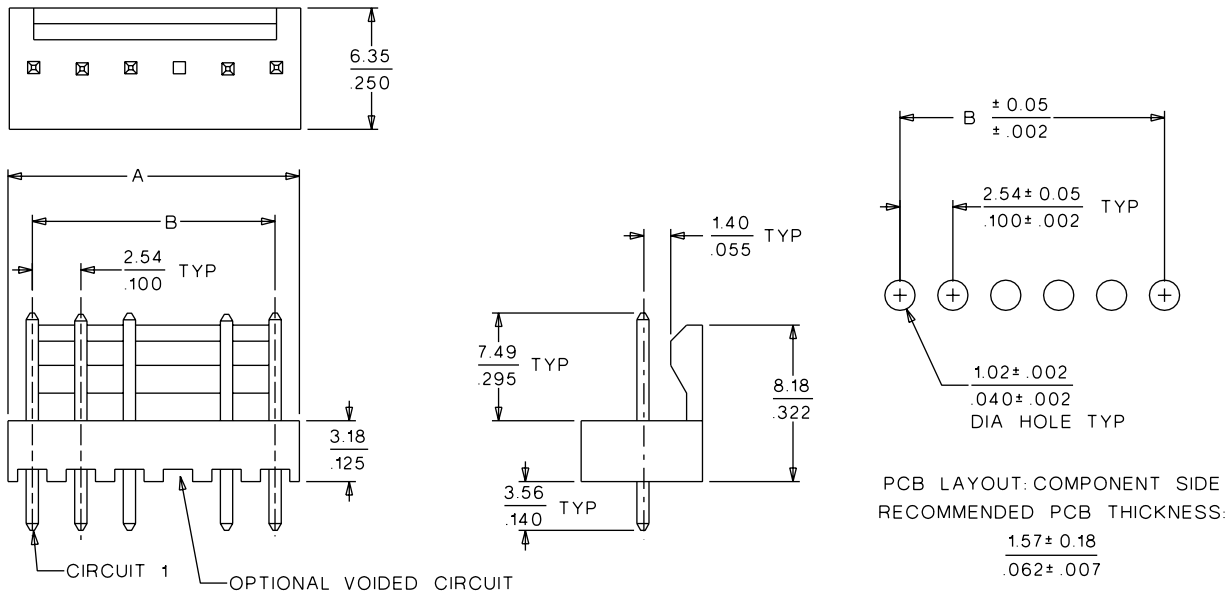
***Electrical***
Voltage: 250V
Current: 4.0A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 1500V
Insulation Resistance: 50K MΩ min.

***Mechanical***
Durability:
Tin—25 cycles max.
Gold—100 cycles max.

***Physical***
Housing: Red nylon, UL 94V-0
Contact: Brass, 0.64mm (.025") square
Plating: See Table
Operating Temperature: 0 to +75˚C



## CATALOG DRAWING (FOR REFERENCE ONLY)




## ORDERING INFORMATION AND DIMENSIONS

| Circuits | Order No. | | Dimension | |
|---|---|---|---|---|
| | Tin | Gold | A | B |
| 2 | • 22-23-2021 | • 22-11-2022 | 5.08 (.200) | 2.54 (.100) |
| 3 | • 22-23-2031 | • 22-11-2032 | 7.62 (.300) | 5.08 (.200) |
| 4 | • 22-23-2041 | • 22-11-2042 | 10.16 (.400) | 7.62 (.300) |
| 5 | • 22-23-2051 | • 22-11-2052 | 12.70 (.500) | 10.16 (.400) |
| 6 | • 22-23-2061 | • 22-11-2062 | 15.24 (.600) | 12.70 (.500) |
| 7 | • 22-23-2071 | • 22-11-2072 | 17.78 (.700) | 15.24 (.600) |
| 8 | • 22-23-2081 | • 22-11-2082 | 20.32 (.800) | 17.78 (.700) |
| 9 | • 22-23-2091 | • 22-11-2092 | 22.86 (.900) | 20.32 (.800) |
| 10 | • 22-23-2101 | • 22-11-2102 | 25.40 (1.000) | 22.86 (.900) |
| 11 | • 22-23-2111 | • 22-11-2112 | 27.94 (1.100) | 25.40 (1.000) |
| 12 | • 22-23-2121 | • 22-11-2122 | 30.48 (1.200) | 27.94 (1.100) |
| 13 | • 22-23-2131 | • 22-11-2132 | 33.02 (1.300) | 30.48 (1.200) |
| 14 | • 22-23-2141 | • 22-11-2142 | 35.56 (1.400) | 33.02 (1.300) |
| 15 | • 22-23-2151 | • 22-11-2152 | 38.10 (1.500) | 35.56 (1.400) |

| Circuits | Order No. | | Dimension | |
|---|---|---|---|---|
| | Tin | Gold | A | B |
| 16 | • 22-23-2161 | • 22-11-2162 | 40.64 (1.600) | 38.10 (1.500) |
| 17 | • 22-23-2171 | • 22-11-2172 | 43.18 (1.700) | 40.64 (1.600) |
| 18 | • 22-23-2181 | • 22-11-2182 | 45.72 (1.800) | 43.18 (1.700) |
| 19 | • 22-23-2191 | • 22-11-2192 | 48.26 (1.900) | 45.72 (1.800) |
| 20 | • 22-23-2201 | • 22-11-2202 | 50.80 (2.000) | 48.26 (1.900) |
| 21 | • 22-23-2211 | • 22-11-2212 | 53.34 (2.100) | 50.80 (2.000) |
| 22 | • 22-23-2221 | • 22-11-2222 | 55.88 (2.200) | 53.34 (2.100) |
| 23 | • 22-23-2231 | • 22-11-2232 | 58.42 (2.300) | 55.88 (2.200) |
| 24 | • 22-23-2241 | • 22-11-2242 | 60.96 (2.400) | 58.42 (2.300) |
| 25 | • 22-23-2251 | • 22-11-2252 | 63.50 (2.500) | 60.96 (2.400) |
| 26 | 22-23-2261 | 22-11-2262 | 66.04 (2.600) | 63.50 (2.500) |
| 27 | 22-23-2271 | 22-11-2272 | 68.58 (2.700) | 66.04 (2.600) |
| 28 | 22-23-2281 | 22-11-2282 | 71.12 (2.800) | 68.58 (2.700) |

• US Standard Product, available through Molex franchised distributors

Note: Circuit 1 designation is used to orient the header to locate the voided circuit. Review mating connector to assure correct mating orientation.

# PRODUCT SPECIFICATION

## 1.0 SCOPE

This Product Specification covers the 2.54 mm (.100 inch) centerline (pitch) 0.64 mm (.025) square pin headers when mated with either printed circuit board (PCB) connectors or connectors terminated with 22 to 28 AWG wire using crimp technology.

## 2.0 PRODUCT DESCRIPTION

### 2.1 PRODUCT NAME AND SERIES NUMBERS

Crimp Terminals: 2759, 41572, 6459
Crimp Housings: 2695
PCB Connectors: 4455, 42625
Headers: 4030, 4094, 6373, 7478, 42225, 42226, 42227, 42228, 42152, 42153, 42375, 42376, 42377, 42624.
Other products conforming to this specification are noted on the individual drawings.

### 2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

Terminal Material: Brass or Phos. Bronze (for Max performance use phos bronze material.)
Housing: Nylon or Polyester
Pins: Brass or Phos. Bronze
For more information on dimensions, materials, and plating see the individual drawings.

### 2.3 SAFETY AGENCY APPROVALS

UL File Number …….. E29179
CSA ……...LR19980

## 3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

None

## 4.0 RATINGS

### 4.1 VOLTAGE

250 Volts

### 4.2 CURRENT AND APPLICABLE WIRES

(Current is dependent on connector size, contact material, plating, ambient temperature, printed circuit board characteristics and related factors. Actual current rating is application dependent and should be evaluated for each application.)

| AWG | Amps (Max) | Outside Insulation Diameter |
|---|---|---|
| 22 | 4.00 | See Drawings |
| 24 | 3.75 | See Drawings |
| 26 | 3.50 | See Drawings |
| 28 | 3.00 | See Drawings |

### 4.3 TEMPERATURE (ambient + 30° temp rise)

Operating: 0°C to +75°C
Nonoperating: - 40°C to +105°C

## 5.0 PERFORMANCE

### 5.1 ELECTRICAL REQUIREMENTS

| DESCRIPTION | TEST CONDITION | REQUIREMENT |
|---|---|---|
| Contact Resistance (Low Level) | Mate connectors: apply a maximum voltage of 20 mV and a current of 100 mA. | 10 milliohms MAXIMUM [initial] |
| Contact Resistance of Wire Termination (Low Level) | Terminate the applicable wire to the terminal and measure wire using a voltage of 20 mV and a current of 100 mA. | 2 milliohms MAXIMUM [initial] |
| Insulation Resistance | Unmate & unmount connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground. | 1000 Megohms MINIMUM |
| Dielectric Withstanding Voltage | Unmate connectors: apply a voltage of {two times the rated voltage plus 1000 volts} VAC for 1 minute between adjacent terminals and between terminals to ground. | No breakdown |
| Capacitance | Measure between adjacent terminals at 1 MHz. | 2 picofarads MAXIMUM |
| Temperature Rise (via Current Cycling) | Mate connectors: measure the temperature rise at the rated current after:<br>1) 96 hours (steady state)<br>2) 240 hours (45 minutes ON and 15 minutes OFF per hour)<br>3) 96 hours (steady state) | Temperature rise: +30°C MAXIMUM |

## 5.2 MECHANICAL REQUIREMENTS

| DESCRIPTION | TEST CONDITION | REQUIREMENT |
|---|---|---|
| Connector Mate and Unmate Forces | Per circuit when mated to an .025 Sq. pin. Mate and unmate connector (male to female) at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute. | 1.95 N (0.438 lbf) MAXIMUM insertion force & 0.56 N (0.125 lbf) MINIMUM withdrawal force |
| Terminal Retention Force (in Housing) | Axial pullout force on the terminal in the housing at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute. (Forces will change with platings and materials.) | 17.8 N (4.0 lbf) MINIMUM withdrawal force |
| Terminal Insertion Force (into Housing) | Apply an axial insertion force on the terminal at a rate of 25 ± 6 mm (1 ± ¼ inch). (Forces will change with platings and materials.) | 6.67 N (1.5 lbf) MAXIMUM insertion force |
| Durability | Mate connectors up to 25 cycles at a maximum rate of 10 cycles per minute prior to Environmental Tests. | 10 milliohms MAXIMUM (change from initial) |
| Vibration (Random) | Mate connectors and vibrate per EIA 364-28, test condition VII. | 10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond |
| Shock (Mechanical) | Mate connectors and shock at 50 g's with ½ sine wave (11 milliseconds) shocks in the ±X,±Y,±Z axes (18 shocks total). | 10 milliohms MAXIMUM (change from initial]) & Discontinuity < 1 microsecond |
| Wire Pullout Force (Axial) | Apply an axial pullout force on the wire at a rate of 25 ± 6 mm (1 ± ¼ inch). (For maximum performance use Molex application tooling with stranded tinned copper wire) | 22 awg = 44 N (10 lbf)<br>24 awg = 35 N (8 lbf)<br>26 awg = 26 N (6 lbf)<br>28 awg = 17 N (4 lbf)<br>30 awg = 13 N (3 lbf) |
| Normal Force | Apply a perpendicular force. | 2.94 N (300 grams) average |

### 5.3 ENVIRONMENTAL REQUIREMENTS

| DESCRIPTION | TEST CONDITION | REQUIREMENT |
|---|---|---|
| Shock (Thermal) | Mate connectors; expose to 5 cycles of:<br>Temperature °C — Duration (Minutes)<br>-40 +0/-3 — 30<br>+25 ±10 — 5 MAXIMUM<br>+105 +3/-0 — 30<br>+25 ±10 — 5 MAXIMUM | 10 milliohms MAXIMUM (change from initial)<br>&<br>Visual: No Damage |
| Thermal Aging | Mate connectors; expose to:<br>96 hours at 105 ± 2°C | 10 milliohms MAXIMUM (change from initial])<br>&<br>Visual: No Damage |
| Humidity (Steady State) | Mate connectors: expose to a temperature of 40 ± 2°C with a relative humidity of 90-95% for 96 hours.<br><br>Note: Remove surface moisture and air dry for 1 hour prior to measurements. | 10 milliohms MAXIMUM (change from initial)<br>&<br>Dielectric Withstanding Voltage:<br>No Breakdown at 500 VAC<br>&<br>Insulation Resistance:<br>1000 Megohms MINIMUM<br>&<br>Visual: No Damage |
| Humidity (Cyclic) | Mate connectors: cycle per EIA-364-31: 24 cycles at temperature 25 ± 3°C at 80 ± 5% relative humidity and 65 ± 3°C at 50 ± 5% relative humidity; dwell time of 1.0 hour; ramp time of 0.5 hours.<br><br>{Note: Remove surface moisture and air dry for 1 hour prior to measurements.} | 10 milliohms MAXIMUM (change from initial)<br>&<br>Dielectric Withstanding Voltage:<br>No Breakdown at 500 VAC<br>&<br>Insulation Resistance:<br>1000 Megohms MINIMUM<br>&<br>Visual: No Damage |
| Solderability | Per SMES-152 | Solder coverage:<br>95% MINIMUM (per SMES-152) |

### 5.3 ENVIRONMENTAL REQUIREMENTS

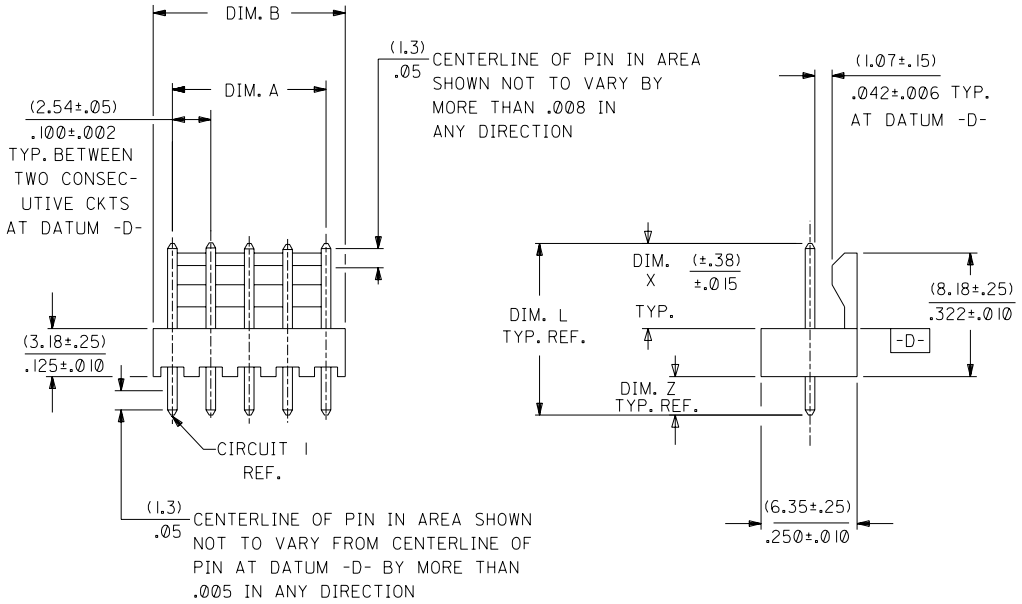
| DESCRIPTION | TEST CONDITION | REQUIREMENT |
|---|---|---|
| Solder Resistance | Dip connector terminal tails in solder:<br>Solder Duration: 5 ± 0.5 seconds;<br>Solder Temperature: 230 ± 5°C | Visual:<br>No Damage to insulator material |
| Salt Spray | Mate connectors:<br>Duration: 48 hours exposure;<br>Atmosphere: salt spray from a 5% solution;<br>Temperature: 35 +1/-2°C | 10 milliohms MAXIMUM (change from initial)<br>&<br>Visual: No Damage |
| Cold Resistance | Mate connectors:<br>Duration: 96 hours;<br>Temperature: -40 ± 3°C | 10 milliohms MAXIMUM (change from initial)<br>&<br>Visual: No Damage |
| Corrosive Atmosphere: Flowing Mixed Gas (FMG) | Mate connectors:<br>Test per EIA-364-65, method 2A | 10 milliohms MAXIMUM (change from initial)<br>&<br>Visual: No Damage |

### 6.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage.

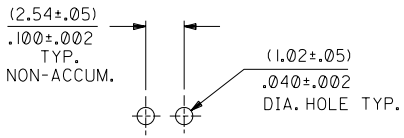
### 7.0 GAGES AND FIXTURES

### 8.0 OTHER




6373

| CKTS. OF NO. | DIM. A | DIM. B |
|---|---|---|
| 2 | .100 ± .002 (2.54 ± .05) | .200 / .188 (5.08 / 4.78) |
| 3 | .200 ± .004 (5.08 ± .10) | .300 / .288 (7.62 / 7.32) |
| 4 | .300 ± .005 (7.62 ± .13) | .400 / .388 (10.16 / 9.86) |
| 5 | .400 ± .005 (10.16 ± .13) | .500 / .488 (12.70 / 12.40) |
| 6 | .500 ± .005 (12.70 ± .13) | .600 / .586 (15.24 / 14.88) |
| 7 | .600 ± .005 (15.24 ± .13) | .700 / .686 (17.78 / 17.42) |
| 8 | .700 ± .006 (17.78 ± .15) | .800 / .786 (20.32 / 19.96) |
| 9 | .800 ± .006 (20.32 ± .15) | .900 / .886 (22.86 / 22.50) |
| 10 | .900 ± .006 (22.86 ± .15) | 1.000 / .986 (25.40 / 25.04) |
| 11 | 1.000 ± .007 (25.40 ± .18) | 1.100 / 1.086 (27.94 / 27.58) |
| 12 | 1.100 ± .007 (27.94 ± .18) | 1.200 / 1.186 (30.48 / 30.12) |
| 13 | 1.200 ± .007 (30.48 ± .18) | 1.300 / 1.286 (33.02 / 32.66) |
| 14 | 1.300 ± .007 (33.02 ± .18) | 1.400 / 1.386 (35.56 / 35.20) |
| 15 | 1.400 ± .008 (35.56 ± .20) | 1.500 / 1.484 (38.10 / 37.69) |
| 16 | 1.500 ± .008 (38.10 ± .20) | 1.600 / 1.584 (40.64 / 40.23) |
| 17 | 1.600 ± .008 (40.64 ± .20) | 1.700 / 1.684 (43.18 / 42.77) |
| 18 | 1.700 ± .008 (43.18 ± .20) | 1.800 / 1.784 (45.72 / 45.31) |
| 19 | 1.800 ± .009 (45.72 ± .23) | 1.900 / 1.882 (48.26 / 47.80) |
| 20 | 1.900 ± .009 (48.26 ± .23) | 2.000 / 1.982 (50.80 / 50.34) |
| 21 | 2.000 ± .009 (50.80 ± .23) | 2.100 / 2.082 (53.34 / 52.88) |
| 22 | 2.100 ± .009 (53.34 ± .23) | 2.200 / 2.182 (55.88 / 55.42) |
| 23 | 2.200 ± .009 (55.88 ± .23) | 2.300 / 2.282 (58.42 / 57.96) |
| 24 | 2.300 ± .010 (58.42 ± .25) | 2.400 / 2.380 (60.96 / 60.45) |
| 25 | 2.400 ± .010 (60.96 ± .25) | 2.500 / 2.480 (63.50 / 62.99) |
| 26 | 2.500 ± .010 (63.50 ± .25) | 2.600 / 2.580 (66.04 / 65.53) |
| 27 | 2.600 ± .010 (66.04 ± .25) | 2.700 / 2.680 (68.58 / 68.07) |
| 28 | 2.700 ± .010 (68.58 ± .25) | 2.800 / 2.780 (71.12 / 70.61) |




RECOMMENDED P.C. BOARD HOLE LAYOUT

A-6373-N * * * * – *

NO. OF CKTS.

VERSION LETTER CHANGES WHEN PIN NO. OR PRESS DIM. CHANGES

PLATING CODE PER SDES-88

VOID CODE NO. CORRESPONDS TO CKT NO. VOIDED MULT. VOIDS START WITH 51

| SECONDARY OPERATIONS | |
|---|---|
| CODE | PACKAGE |
| BLANK | BULK |
| A | TUBE PACK: PK-44743-001 |
| | |

NOTES:

1. MATERIAL: NYLON, UL 94V-0, COLOR WHITE
2. PARTS ARE STACKABLE END TO END ON (2.54)/.100 CENTERS.
3. PIN PUSH OUT FORCE: 2 LBS. MIN.
5. PARTS CONFORM TO PROD. SPEC. 10-07
8. CIRCUIT ONE SHOWN TO COMMUNICATE VOID LOCATION. CIRCUIT ONE MAY OR MAY NOT LINE UP WITH CIRCUIT ONE OF HOUSING.

| MFG. SH. | REV. | LTR. | REVISIONS |
|---|---|---|---|
| 10 | AW | | |
| 9 | AV | | |
| 8 | AY2 | AY2 | ADD -12A102-8 UCP2003-2355 5/8/2003 SCHAFER |
| 7 | AU | | |
| 6 | AX1 | | |
| 5 | AW2 | AY1 | REV BOW UCP2003-1610 1/22/2003 SAMIEC |
| 4 | AX2 | | |
| 3 | AU | AY | WAS M340 UCR2002-0662 12/9/2002 SAMIEC |
| 2 | AX | | |
| 1 | AY2 | | |

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

| | INCH | METRIC |
|---|---|---|
| 3 PLACE | ± | |
| 2 PLACE | ± | ± |
| 1 PLACE | | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

TITLE: WAFER ASS'Y., FRICTION LOCK, KK
6373 SERIES DWG.

MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A. | SHEET NO. 1 OF 10 | DATE 01/02/85

PART NO. SEE CHART | DRWG. NO. SDA-6373

| DRWG. BY | CHK'D. BY | FILE NAME | DIV. | SIZE |
|---|---|---|---|---|
| SAMIEC | PATEL | S6373X1 | C | C |
| APP'D. BY: LENZ | SCALE: | | | |



6373

| ENG. NO. | PIN NO. | DIM. L | DIM. X | DIM. Z | PACKAGING |
|---|---|---|---|---|---|
| SEE NOTE 1<br>A-6373-NA102-* | 2766-1(102) | (14.22)<br>.560 | (7.49)<br>.295 | (3.56)<br>.140 | PK-6373-001 |
| A-6373-NC102-* | 2766-43(102) | (13.46)<br>.530 | (6.60)<br>.260 | (3.68)<br>.145 | PK-6373-001 |
| A-6373-NV503-* | 2766-43(503) | (13.46)<br>.530 | (7.49)<br>.295 | (2.79)<br>.110 | PK-6373-001 |
| A-6373-NE102-* | 2766-13(102) | (19.05)<br>.750 | (6.60)<br>.260 | (9.27)<br>.365 | PK-6373-002 |
| A-6373-NA501-* | 2766-1(501) | (14.22)<br>.560 | (7.49)<br>.295 | (3.56)<br>.140 | PK-6373-001 |
| A-6373-NY516-* | 2766-28(516) | (15.88)<br>.625 | (7.95)<br>.313 | (4.75)<br>.187 | PK-6373-002 |
| A-6373-NAB102-* | 2766-54(102) | (17.86)<br>.703 | (7.34)<br>.289 | (7.34)<br>.289 | PK-6373-002 |
| A-6373-NAH501-* | 2766-1(501) | (14.22)<br>.560 | (6.60)<br>.260 | (4.45)<br>.175 | PK-6373-001 |
| A-6373-NA509-* | 2766-1(509) | (14.22)<br>.560 | (7.49)<br>.295 | (3.56)<br>.140 | PK-6373-001 |
| A-6373-NA503-* | 2766-1(503) | (14.22)<br>.560 | (7.49)<br>.295 | (3.56)<br>.140 | PK-6373-001 |
| A-6373-NAD102-* | 4166-1(102) | (14.22)<br>.560 | (7.49)<br>.295 | (3.56)<br>.140 | PK-6373-001 |
| A-6373-NA122-* | 2766-1(122) | (14.22)<br>.560 | (7.49)<br>.295 | (3.56)<br>.140 | PK-6373-001 |
| A-6373-NA102A-* | 2766-1(102) | (14.22)<br>.560 | (7.49)<br>.295 | (3.56)<br>.140 | PK-44743-001 |
| A-6373-NAD503-* | 4166-1(503) | (14.22)<br>.560 | (7.49)<br>.295 | (3.56)<br>.140 | PK-6373-001 |
| A-6373-NAE503-* | 2766-27(503) | (11.99)<br>.472 | (5.84)<br>.230 | (2.97)<br>.117 | PK-6373-001 |
| A-6373-NAF102-* | 2766-39(102) | (12.70)<br>.500 | (6.60)<br>.260 | (2.92)<br>.115 | PK-6373-001 |
| A-6373-NAG102-* | 2766-39(102) | (12.70)<br>.500 | (7.65)<br>.301 | (1.88)<br>.074 | PK-6373-001 |
| A-6373-NA531-* | 2766-1(531) | (14.22)<br>.560 | (7.49)<br>.295 | (3.56)<br>.140 | PK-6373-001 |
| A-6373-NAH102-* | 2766-1(102) | (14.22)<br>.560 | (6.60)<br>.260 | (4.45)<br>.175 | PK-6373-001 |
| | | | | | |
| | | | | | |
| SEE NOTE 1<br>A-6373-NA102-* | 2766-1(102) | (14.22)<br>.560 | (7.49)<br>.295 | (3.56)<br>.140 | PK-6373-001 |
| A-6373-NAJ122-* | 2766-52(122) | (14.61)<br>.575 | (7.49)<br>.295 | (3.94)<br>.155 | PK-6373-001 |
| A-6373-NA501A-* | 2766-1(501) | (19.22)<br>.560 | (7.49)<br>.295 | (3.56)<br>.140 | PK-44743-001 |
| A-6373-NAK122-* | 2766-24(122) | (27.94)<br>1.100 | (7.49)<br>.295 | (17.27)<br>.680 | PK-6373-003 |
| A-6373-NA124-* | 2766-1(124) | (19.22)<br>.560 | (7.49)<br>.295 | (3.56)<br>.140 | PK-6373-001 |

| ENG. NO. | PIN NO. | DIM. L | DIM. X | DIM. Z | PACKAGING |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| A-6373-NAL102-* | 4166-8(102) | (25.40)<br>1.000 | (7.49)<br>.295 | (14.73)<br>.580 | PK-6373-003 |
| A-6373-NAM102-* | 2766-69(102) | (13.08)<br>.515 | (7.62)<br>.300 | (2.29)<br>.090 | PK-6373-001 |
| A-6373-NAM501-* | 2766-69(501) | (13.08)<br>.515 | (7.62)<br>.300 | (2.29)<br>.090 | PK-6373-001 |
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NOTES:

1. THIS ENG. NO. BEGINS ON SHEET 5 COLUMN 1 AND CONTINUES ON SHEET 8 COLUMN 3.

| LTR. | REVISIONS | LTR. | REVISIONS |
|---|---|---|---|
| | SEE SHEET 1 | | SEE SHEET 1 |
| | SEE SHEET 1 | | SEE SHEET 1 |
| | SEE SHEET 1 | | SEE SHEET 1 |
| | SEE SHEET 1 | | SEE SHEET 1 |
| | SEE SHEET 1 | | SEE SHEET 1 |
| | SEE SHEET 1 | | SEE SHEET 1 |
| | SEE SHEET 1 | AX | SEE SHEET 1 |

DIMENSIONS SHOWN (METRIC) INCH

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

| | INCH | METRIC |
|---|---|---|
| 3 PLACE | ± | |
| 2 PLACE | ± | ± |
| 1 PLACE | | ± |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY SAMIEC | CHK'D. BY PATEL | APP'D. BY LENZ | SCALE :

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE
WAFER ASS'Y., FRICTION LOCK,
MINI KK
6373 SERIES DWG.

MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A.

SHEET NO. 2 | DATE 1/2/85

PART NO. SEE CHART | DRWG. NO. SDA-6373

FILE NAME S6373X2



DIV. KK | SIZE C

6373

### A-6373-NA102-*

| | PART NO. | | ENG. NO | VOID CKT. |
|---|---|---|---|---|
| J | 22-23-2021 | * | A-6373-2A102 | |
| | 22-23-2031 | * | A-6373-3A102 | |
| | 22-23-2041 | * | A-6373-4A102 | |
| | 22-23-2051 | * | A-6373-5A102 | |
| | 22-23-2061 | * | A-6373-6A102 | |
| I | 22-23-2071 | * | A-6373-7A102 | |
| | 22-23-2081 | * | A-6373-8A102 | |
| | 22-23-2091 | * | A-6373-9A102 | |
| | 22-23-2101 | * | A-6373-10A102 | |
| | 22-23-2111 | * | A-6373-11A102 | |
| | 22-23-2121 | * | A-6373-12A102 | |
| H | 22-23-2131 | * | A-6373-13A102 | |
| | 22-23-2141 | * | A-6373-14A102 | |
| | 22-23-2151 | * | A-6373-15A102 | |
| | 22-23-2161 | * | A-6373-16A102 | |
| | 22-23-2171 | * | A-6373-17A102 | |
| G | 22-23-2181 | * | A-6373-18A102 | |
| | 22-23-2191 | * | A-6373-19A102 | |
| | 22-23-2201 | * | A-6373-20A102 | |
| | 22-23-2211 | * | A-6373-21A102 | |
| | 22-23-2221 | * | A-6373-22A102 | |
| | 22-23-2231 | * | A-6373-23A102 | |
| F | 22-23-2241 | * | A-6373-24A102 | |
| | 22-23-2251 | * | A-6373-25A102 | |
| | 22-23-2261 | * | A-6373-26A102 | |
| | 22-23-2271 | * | A-6373-27A102 | |
| | 22-23-2281 | * | A-6373-28A102 | |
| | 22-04-5094 | | A-6373-9A102-4 | 4 |
| | 22-04-5096 | | A-6373-9A102-6 | 6 |
| | 22-04-5114 | | A-6373-11A102-4 | 4 |
| | 22-04-5118 | | A-6373-11A102-8 | 8 |
| E | 22-04-5083 | | A-6373-8A102-3 | 3 |
| | 22-04-5082 | | A-6373-8A102-2 | 2 |
| | 22-04-5106 | | A-6373-10A102-6 | 6 |
| | 22-04-5043 | | A-6373-4A102-3 | 3 |
| | 22-04-5081 | | A-6373-8A102-51 | 2,4,6 |
| | 22-04-5093 | | A-6373-9A102-3 | 3 |
| D | 22-04-5085 | | A-6373-8A102-5 | 5 |
| | 22-04-5065 | | A-6373-6A102-5 | 5 |
| | S 22-04-5072 | | A-6373-7A102-52 | 2,4,6 |
| | 22-04-5062 | | A-6373-6A102-2 | 2 |
| | 22-04-5071 | | A-6373-7A102-51 | 2,3,5,6 |
| C | 22-04-5100 | | A-6373-10A102-10 | 10 |
| | 22-04-5109 | | A-6373-10A102-9 | 9 |
| | 22-04-5108 | | A-6373-10A102-8 | 8 |
| | 22-04-5054 | | A-6373-5A102-4 | 4 |
| | 22-04-5033 | | A-6373-3A102-3 | 3 |
| | 22-04-5075 | | A-6373-7A102-5 | 5 |
| B | 22-04-5073 | | A-6373-7A102-3 | 3 |
| | 22-04-5149 | | A-6373-14A102-9 | 9 |
| | 22-04-5152 | | A-6373-15A102-2 | 2 |

COLUMN NO. 1 | CON'T. IN COLUMN NO. 1 | SHEET NO. 5

### A-6373-NC102-*

| PART NO. | ENG. NO | VOID CKT. |
|---|---|---|
| 22-23-2023 | A-6373-2C102 | |
| 22-23-2033 | A-6373-3C102 | |
| 22-23-2043 | A-6373-4C102 | |
| 22-23-2053 | A-6373-5C102 | |
| 22-23-2063 | A-6373-6C102 | |
| 22-23-2073 | A-6373-7C102 | |
| 22-23-2083 | A-6373-8C102 | |
| 22-23-2093 | A-6373-9C102 | |
| 22-23-2103 | A-6373-10C102 | |
| 22-23-2113 | A-6373-11C102 | |
| 22-23-2123 | A-6373-12C102 | |
| 22-23-2133 | A-6373-13C102 | |
| 22-23-2143 | A-6373-14C102 | |
| 22-23-2153 | A-6373-15C102 | |
| 22-23-2163 | A-6373-16C102 | |
| 22-23-2173 | A-6373-17C102 | |
| 22-23-2183 | A-6373-18C102 | |
| 22-23-2193 | A-6373-19C102 | |
| 22-23-2203 | A-6373-20C102 | |
| 22-23-2213 | A-6373-21C102 | |
| 22-23-2223 | A-6373-22C102 | |
| 22-23-2233 | A-6373-23C102 | |
| 22-23-2243 | A-6373-24C102 | |
| 22-23-2253 | A-6373-25C102 | |
| 22-23-2263 | A-6373-26C102 | |
| 22-23-2273 | A-6373-27C102 | |
| 22-23-2283 | A-6373-28C102 | |

COLUMN NO. 2 | CON'T. IN COLUMN NO. | SHEET NO.

### A-6373-NV503-*

| PART NO. | ENG. NO | VOID CKT. |
|---|---|---|
| 22-15-3029 | A-6373-2V503 | |
| 22-15-3039 | A-6373-3V503 | |
| 22-15-3049 | A-6373-4V503 | |
| 22-15-3059 | A-6373-5V503 | |
| 22-15-3069 | A-6373-6V503 | |
| 22-15-3079 | A-6373-7V503 | |
| 22-15-3089 | A-6373-8V503 | |
| 22-15-3099 | A-6373-9V503 | |
| 22-15-3109 | A-6373-10V503 | |
| 22-15-3119 | A-6373-11V503 | |
| 22-15-3129 | A-6373-12V503 | |
| 22-15-3139 | A-6373-13V503 | |
| 22-15-3149 | A-6373-14V503 | |
| 22-15-3159 | A-6373-15V503 | |
| 22-15-3169 | A-6373-16V503 | |
| 22-15-3179 | A-6373-17V503 | |
| 22-15-3189 | A-6373-18V503 | |
| 22-15-3199 | A-6373-19V503 | |
| 22-15-3209 | A-6373-20V503 | |
| 22-15-3219 | A-6373-21V503 | |
| 22-15-3229 | A-6373-22V503 | |
| 22-15-3239 | A-6373-23V503 | |
| 22-15-3249 | A-6373-24V503 | |
| 22-15-3259 | A-6373-25V503 | |
| 22-15-3269 | A-6373-26V503 | |
| 22-15-3279 | A-6373-27V503 | |
| 22-15-3289 | A-6373-28V503 | |

COLUMN NO. 3 | CON'T. IN COLUMN NO. | SHEET NO.

### A-6373-NE102-*

| PART NO. | ENG. NO | VOID CKT. |
|---|---|---|
| 22-23-2025 | A-6373-2E102 | |
| | A-6373-3E102 | |
| | A-6373-4E102 | |
| 22-23-2055 | A-6373-5E102 | |
| 22-23-2065 | A-6373-6E102 | |
| | A-6373-7E102 | |
| | A-6373-8E102 | |
| | A-6373-9E102 | |
| 22-23-2105 | A-6373-10E102 | |
| | A-6373-11E102 | |
| | A-6373-12E102 | |
| | A-6373-13E102 | |
| | A-6373-14E102 | |
| 22-23-2155 | A-6373-15E102 | |
| | A-6373-16E102 | |
| | A-6373-17E102 | |
| | A-6373-18E102 | |
| | A-6373-19E102 | |
| | A-6373-20E102 | |
| | A-6373-21E102 | |
| | A-6373-22E102 | |
| | A-6373-23E102 | |
| | A-6373-24E102 | |
| | A-6373-25E102 | |
| | A-6373-26E102 | |
| | A-6373-27E102 | |
| | A-6373-28E102 | |

COLUMN NO. 4 | CON'T. IN COLUMN NO. | SHEET NO.

6373

| | | | |
|---|---|---|---|
| | SEE SHEET 1 | AU | SEE SHEET 1 |
| | SEE SHEET 1 | AM8 | SEE SHEET 1 |
| | SEE SHEET 1 | AM2 | SEE SHEET 1 |
| | SEE SHEET 1 | F | SEE SHEET 1 |
| | SEE SHEET 1 | C | SEE SHEET 1 |
| | SEE SHEET 1 | A1 | SEE SHEET 1 |
| AU2 | SEE SHEET 1 | A | SEE SHEET 1 |
| LTR. | REVISIONS | LTR. | REVISIONS |

DIMENSIONS SHOWN (METRIC) INCH

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

| | INCH | METRIC |
|---|---|---|
| 3 PLACE | ± --- | --- |
| 2 PLACE | ± --- | ± --- |
| 1 PLACE | --- | ± --- |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY KSS | CHK'D. BY DMS | APP'D. BY KJA | SCALE --:--

▽ = 0 ▼ = 0 **REVISE ONLY ON CAD SYSTEM**

TITLE: WAFER ASS'Y., FRICTION LOCK, MINI KK 6373 SERIES DWG.

MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A. | SHEET NO. 3 | DATE 1/2/85

PART NO. SEE CHART | DRWG. NO. SDA-6373

FILE NAME S6373X3



DIV. KK | SIZE C