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**Data Sheet**

August 12, 2026

KULICKE &amp; SOFFA

# KULICKE & SOFFA N08001-4073-000-05 STEPPER BOARD

The KULICKE & SOFFA N08001-4073-000-05 is a stepper board designed for precise motion control in semiconductor manufacturing equipment. It ensures accurate and repeatable positioning, which is critical for wire bonding and advanced packaging processes.



## MODEL

**Kulicke & Soffa  
N08001-4073-  
000-05**

## CALIBRATION

**Available on  
request**

## CONDITION

**Used**

## STATUS

**In stock**

## RFQ / SKU

**N08001-4073-  
000-05**

## LISTING

<https://aumictechlabs.com/products/n08001-4073-000-05-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The KULICKE & SOFFA N08001-4073-000-05 is a stepper board for precision motion control in semiconductor manufacturing equipment. It generates step and direction signals to stepper motor drivers, enabling controlled rotation and linear motion required for wire bonding and advanced packaging assembly. The board integrates into Kulicke & Soffa systems to deliver the accurate, repeatable positioning critical to high-precision microelectronic fabrication.

Technical Specifications  
Manufacturer: Kulicke & Soffa  
Model Number: N08001-4073-000-05  
Product Type: Stepper Board  
Physical Weight: 0.4 kg (actual); 0.30 kg (shipping weight)  
Shipping Dimensions: 30.00 × 21.00 × 11.00 cm

Key Features  
Step and direction signal generation for stepper motor control  
Designed for high-precision positioning in controlled manufacturing environments

Optimized for operation within strict temperature and humidity parameters typical of semiconductor fabrication facilities

**Typical Applications**

- Wire bonding equipment control
- Advanced packaging process automation
- Precision component manipulation in semiconductor assembly
- Motion sequencing in microelectronic manufacturing systems

**Compatibility & Integration**

The N08001-4073-000-05 is explicitly designed for the K&S 8028 wire bonder and integrates with Kulicke & Soffa semiconductor assembly equipment. It functions as a motion control component within larger manufacturing systems, providing the motor command interface necessary for accurate tool positioning and process execution. Compatibility with other equipment models depends on specific system configuration and interface requirements.

## Features & description

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From manufacturer datasheet

### Features

• Manufacturer: Kulicke & Soffa • Part number: N08001-4073-000-05 • Related markings: 8001-4073; 08001-4073-001-01 class • Function: stepper board / stepper PCB assembly • Form: PCB module for K&S equipment chassis • Category: FA / SMT / wire-bond spare electronics

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### Applications

• Stepper axis drive/control within K&S wire-bond / assembly tools • Service replacement of 8001-4073 family stepper boards

# N080014073000 Characteristics / Specifications

| PARAMETER        | VALUE                                                                                                                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model            | N08001-4073-000-05                                                                                                                                                                                                                |
| Manufacturer     | Kulicke & Soffa                                                                                                                                                                                                                   |
| Instrument Type  | Stepper Board PCB Assembly                                                                                                                                                                                                        |
| Alias            | N08001-4073-000-05; 8001-4073; 08001-4073                                                                                                                                                                                         |
| Function         | stepper board / stepper PCB assembly                                                                                                                                                                                              |
| Form             | PCB assembly Notes No dense public datasheet with drive-current / step-rate limits was found for this exact PN. Identify connectors and host tool from board silk-screen and K&S service manual; do not invent electrical limits. |
| Part number      | N08001-4073-000-05                                                                                                                                                                                                                |
| Related markings | 8001-4073; 08001-4073-001-01 class                                                                                                                                                                                                |
| Category         | FA / SMT / wire-bond spare electronics                                                                                                                                                                                            |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance tables for this exact spare PN are sparse outside service documentation.

Applications

- Stepper axis drive/control within K&S wire-bond / assembly tools
- Service replacement of 8001-4073 family stepper boards

Key Features

- Manufacturer: Kulicke & Soffa
- Part number: N08001-4073-000-05
- Related markings: 8001-4073; 08001-4073-001-01 class
- Function: stepper board / stepper PCB assembly
- Form: PCB module for K&S equipment chassis
- Category: FA / SMT / wire-bond spare electronics

Technical Specifications

### Technical Specifications

| PARAMETER       | VALUE                                     |
|-----------------|-------------------------------------------|
| Model           | N08001-4073-000-05                        |
| Manufacturer    | Kulicke & Soffa                           |
| Instrument Type | Stepper Board PCB Assembly                |
| Alias           | N08001-4073-000-05; 8001-4073; 08001-4073 |

Function: stepper board

Form: PCB assembly

Notes

No dense public datasheet with drive-current / step-rate limits was found for this exact PN. Identify connectors and host tool from board silk-screen and K&S service manual; do not invent electrical limits.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.