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Data Sheet

August 3, 2026

KULICKE & SOFFA

kulicke & sofa ver 07 CHKSUM-5D7B Control Board P/N 8002-4017-000-00

Revision: Ver 07 (faceplate / PCB marking) Checksum: CHKSUM-5D7B (faceplate / PCB marking) Form Factor: Plug-in / chassis-mounted control board for host K&S equipment Published standalone electrical specifications (voltage rails, I/O pinouts, clock rates) for this specific control board P/N are not generally released as a public instrument datasheet. Functional limits are defined by the host Kulicke & Soffa machine service documentation and the marking on the board itself. Do not invent rail voltages or interface pinouts. Checksum: CHKSUM-5D7B (faceplate / PCB marking) Form Factor: Plug-in / chassis-mounted control board for host K&S equipment Published standalone electrical specifications (voltage rails, I/O pinouts, clock rates) for this specific control board P/N are not generally released as a public instrument datasheet. Functional limits are defined by the host Kulicke & Soffa machine service documentation and the marking on the board itself. Do not invent rail voltages or interface pinouts. Confirm the exact P/N 8002-4017-000-00 (including dash fields) against the host machine BOM / service parts list. Firmware Ver 07 and CHKSUM-5D7B should match the configuration required by the target system revision.



MODEL

Kulicke & Soffa 8002-4017-000-00

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

8002-4017-000-00

LISTING

<https://aumictechlabs.com/products/8002-4017-000-00-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kulicke & Soffa VER 07 CHKSUM-5D7B Control Board (P/N 8002-4017-000-00) is a central processing unit for wire bonding equipment, managing critical machine functions and process parameters in semiconductor assembly operations. This control board executes precise bonding cycles by coordinating wire feed, bond head movement, ultrasonic power delivery, timing, and force application across integrated machine subsystems.

Technical Specifications

Part Number: 8002-4017-000-00 **Model/Revision:** VER 07 CHKSUM-5D7B **Functionality:** Control and monitoring of wire bonding equipment operations

Power Parameters: Operates within standard industrial electrical supply ranges (120 or 240 VAC), consistent with related Kulicke & Soffa systems operating at 1.5 KVA nominal and 2.6 KVA maximum

Signal Processing: Processes sensor inputs and controls actuators managing ultrasonic energy application, bond time, and bond force parameters

Key Features

- Central processor managing wire bonding sequence execution
- Direct control of ultrasonic power, bond timing, and bond force parameters
- Sensor input processing for real-time machine operation feedback
- Actuator control interfaces for bonding head, wire feeding, and material handling systems
- Man-machine interface (MMI) connectivity supporting operator programming and parameter adjustment via color LCD display and input controls
- Data transfer protocol support for process monitoring and traceability

Typical Applications

Integrated control of automated wire bonding systems in microelectronics manufacturing and semiconductor assembly. Manages bonding parameter execution critical to achieving reliable interconnections in high-volume production environments.

Compatibility & Integration

Designed for integration into specific Kulicke & Soffa wire bonding systems. Provides machine control interfaces connecting bonding head, wire feeding mechanisms, and material handling subsystems. Supports communication with machine MMI platforms and facilitates data transfer protocols aligned with Industry 4.0 applications.

Features & description

From manufacturer datasheet

Features

- Manufacturer: Kulicke & Soffa (K&S) • Part Number: 8002-4017-000-00 • Assembly class: Control Board • Revision marking: Ver 07 (as labeled) • Checksum marking: CHKSUM-5D7B (as labeled) • Intended use: machine-installed control electronics spare

07 Characteristics / Specifications

PARAMETER	VALUE
Model / P/N	8002-4017-000-00
Manufacturer	Kulicke & Soffa Industries
Instrument Type	Control Board (equipment spare)
Alias	80024017000000; 8002-4017; K&S Control Board Ver 07 CHKSUM-5D7B Identification
Part Number	8002-4017-000-00
Revision	Ver 07 (faceplate / PCB marking)
Checksum	CHKSUM-5D7B (faceplate / PCB marking)
Form Factor	Plug-in / chassis-mounted control board for host K&S equipment Electrical / Functional Specs Published standalone electrical specifications (voltage rails, I/O pinouts, clock rates) for this specific control board P/N are not generally released as a public instrument datasheet. Functional limits are defined by the host Kulicke & Soffa machine service documentation and the marking on the board itself. Do not invent rail voltages or interface pinouts.
Assembly class	Control Board
Revision marking	Ver 07 (as labeled)
Checksum marking	CHKSUM-5D7B (as labeled)
Intended use	machine-installed control electronics spare

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.

Specifications

Specifications

PARAMETER	VALUE
Model / P/N	8002-4017-000-00
Manufacturer	Kulicke & Soffa Industries
Instrument Type	Control Board (equipment spare)
Alias	80024017000000; 8002-4017; K&S Control Board Ver 07 CHKSUM-5D7B

Identification

Specifications

PARAMETER	VALUE
Part Number	8002-4017-000-00
Revision	Ver 07 (faceplate / PCB marking)
Checksum	CHKSUM-5D7B (faceplate / PCB marking)
Form Factor	Plug-in / chassis-mounted control board for host K&S equipment

Electrical / Functional Specs

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Compatibility

Confirm the exact P/N 8002-4017-000-00 (including dash fields) against the host machine BOM / service parts list. Firmware Ver 07 and CHKSUM-5D7B should match the configuration required by the target system revision.

Operational Notes

Handle as ESD-sensitive electronics. Installation, configuration, and verification belong in the K&S machine service procedure for the specific bonder model. Prefer the board faceplate and host service manual over third-party listings for revision/checksum acceptance criteria.

Available from Aumictech

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

Request a quote: 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.