

## 1206 Book

# Generic SMD 1206 Book Electronic Components Assortment Manual

Model: 1206 Book | Brand: Generic

## INTRODUCTION

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The Generic SMD 1206 Book is a comprehensive assortment of 5435 surface-mount electronic components, designed for ease of use in SMD (SMT) soldering projects. This collection includes a wide range of essential components such as resistors, capacitors, diodes, transistors, ICs, inductors, and LEDs, all neatly organized and labeled within a book format for quick access and efficient project work.

This manual provides detailed information on the contents, setup, operation, and maintenance of your SMD 1206 Book to ensure optimal use and longevity of the components.

## PRODUCT OVERVIEW

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Figure 1: The Generic SMD 1206 Book in its closed state, resembling a compact binder.

The SMD 1206 Book contains a diverse selection of components, making it suitable for electronics enthusiasts, students, and professionals. The components are organized in individual, labeled pockets within the book, allowing for easy identification and retrieval.

- **Resistors:** 4250 pieces, 1% tolerance, covering all 170 values (25 pieces each).
- **Capacitors:** 240 pieces, 12 values (20 pieces each).
- **Transistors:** 320 pieces, 12 values (20 pieces each).
- **Diodes:** 170 pieces, 9 values (20 pieces each, 1N5408 has 10 pieces).
- **ICs:** 55 pieces, 6 types (10 pieces each, LM339 has 5 pieces).
- **LEDs:** 100 pieces, 5 colors (20 pieces each).
- **Inductors:** 300 pieces, 15 values (20 pieces each).

# SMD Assortment Size: 1206

5435 pcs

Resistors, Capacitors, Diodes,  
Transistors, ICs, Inductors, LEDs



## Resistors 1% 1206

0 Ω	10 Ω	100 Ω	1 K	10 K	100 K	1 M
1 Ω	11 Ω	110 Ω	1.1 K	11 K	110 K	1.1 M
1.1 Ω	12 Ω	120 Ω	1.2 K	12 K	120 K	1.2 M
1.2 Ω	13 Ω	130 Ω	1.3 K	13 K	130 K	1.3 M
1.3 Ω	15 Ω	150 Ω	1.5 K	15 K	150 K	1.5 M
1.5 Ω	16 Ω	160 Ω	1.6 K	16 K	160 K	1.6 M
1.6 Ω	18 Ω	180 Ω	1.8 K	18 K	180 K	1.8 M
1.8 Ω	20 Ω	200 Ω	2 K	20 K	200 K	2 M
2 Ω	22 Ω	220 Ω	2.2 K	22 K	220 K	2.2 M
2.2 Ω	24 Ω	240 Ω	2.4 K	24 K	240 K	2.4 M
2.4 Ω	27 Ω	270 Ω	2.7 K	27 K	270 K	2.7 M
2.7 Ω	30 Ω	300 Ω	3 K	30 K	300 K	3 M
3 Ω	33 Ω	330 Ω	3.3 K	33 K	330 K	3.3 M
3.3 Ω	36 Ω	360 Ω	3.6 K	36 K	360 K	3.6 M
3.6 Ω	39 Ω	390 Ω	3.9 K	39 K	390 K	3.9 M
3.9 Ω	43 Ω	430 Ω	4.3 K	43 K	430 K	4.3 M
4.3 Ω	47 Ω	470 Ω	4.7 K	47 K	470 K	4.7 M
4.7 Ω	51 Ω	510 Ω	5.1 K	51 K	510 K	5.1 M
5.1 Ω	56 Ω	560 Ω	5.6 K	56 K	560 K	5.6 M
5.6 Ω	62 Ω	620 Ω	6.2 K	62 K	620 K	6.2 M
6.2 Ω	68 Ω	680 Ω	6.8 K	68 K	680 K	6.8 M
6.8 Ω	75 Ω	750 Ω	7.5 K	75 K	750 K	7.5 M
7.5 Ω	82 Ω	820 Ω	8.2 K	82 K	820 K	8.2 M
8.2 Ω	91 Ω	910 Ω	9.1 K	91 K	910 K	9.1 M
9.1 Ω						10 M

## Transistors

S9012	2T1	PNP
S9013	J3	NPN
S9014	J6	NPN
S9015	M6	PNP
S8050	J3Y	NPN
S8550	2TY	PNP
2N5401	2L	PNP
2N5551	G1	NPN
2N3904	1AM	NPN
2N3906	2A	PNP
2N2222	1P	NPN
C1815	HF	NPN
A42	1D	NPN
A92	2D	PNP
C945	CR	NPN
A733	CS	PNP
78L05	5V	Regulator

## IC

LM358	Dual Opamp
NE555	Timer
LM386	Audio Opamp
LM339	Comparator
PC817	Optocoupler

## Inductors

1206	
10nH	820nH
47nH	1uH
68nH	2.2uH
100nH	3.3uH
220nH	4.7uH
330nH	6.8uH
470nH	10uH
680nH	

## Capacitors 1206

100pf	101J	50V	COG	680nF	684K	50V	X7R
1nF	102K	50V	X7R	1uF	105K	50V	X7R
10nF	103K	50V	X7R	2.2uF	225K	50V	X7R
100nF	104K	50V	X7R	4.7uF	475K	50V	X7R
220nF	224K	50V	X7R	10uF	106K	25V	X7R
470nF	474K	50V	X7R	22uF	226K	25V	X7R

## Diodes

1n4148	T4	LL-34	1n4007	M7	SMA	1n5408	S3M	SMB
1n4148	A7	SOD123	1n5819	SS14	SMA	RL207	2SM	SMA
1n4007	M7	SOD123	1n5822	SS34	SMA	SR240	SS24	SMA

## LED 1206

Red	2 - 2.3 V
Green	2 - 2.1 V
Blue	2.8 - 2.9 V
Yellow	1.9 - 2.1 V
White	2.7 - 2.8 V

Figure 2: Comprehensive list of component types and values included in the assortment.

## SETUP

The SMD 1206 Book is designed for immediate use. No complex setup is required. Simply open the book to access the components.

1. **Unpacking:** Carefully remove the SMD 1206 Book from its packaging.

2. **Initial Inspection:** Open the book and visually inspect the component pages. Ensure all component strips are securely in their designated pockets and labels are clear.
3. **Familiarization:** Review the layout of the book. Resistors, capacitors, diodes, transistors, ICs, inductors, and LEDs are typically grouped together for logical access. Refer to the component list (Figure 2) for a complete overview.



Figure 3: The book opened to a section containing various resistor values.

## OPERATING INSTRUCTIONS

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Using the SMD 1206 Book involves identifying and carefully extracting the required components for your electronic projects.

1. **Identify Component Type:** Locate the section of the book corresponding to the component type you need (e.g., Resistors, Capacitors, Diodes).
2. **Find Specific Value:** Within the section, use the printed labels to find the exact value or specification required for your circuit.
3. **Extract Component:** Gently slide out the strip containing the desired components. Use fine-tipped tweezers (often included or recommended) to carefully pick up individual SMD components from the tape. Avoid touching the component body with bare hands to prevent contamination.
4. **Return Unused Components:** After extracting the necessary components, carefully slide the strip back into its pocket to maintain organization and prevent loss.



Figure 4: A section of the book dedicated to capacitors, showing different values.



Figure 5: A section of the book dedicated to diodes, showing different types and values.



Figure 6: A section of the book dedicated to transistors, showing different types.



Figure 7: A section of the book dedicated to Integrated Circuits (ICs).

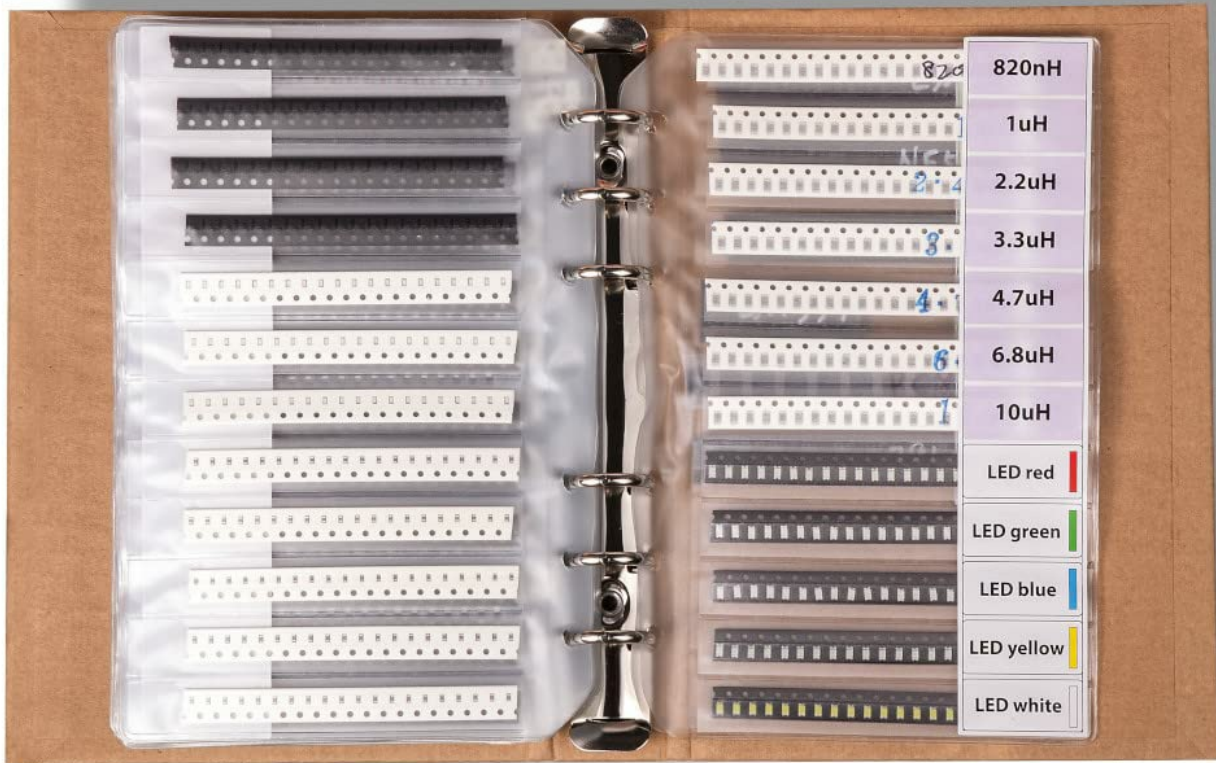


Figure 8: A section of the book dedicated to inductors and LEDs.

## MAINTENANCE

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Proper maintenance ensures the longevity and usability of your SMD 1206 Book and its components.

- **Storage:** Store the book in a dry, cool environment, away from direct sunlight and excessive humidity. Keep it closed when not in use to protect components from dust and physical damage.
- **Handling:** Always handle the book and component strips with clean, dry hands. Avoid bending the pages or component strips excessively.
- **Cleaning:** If the exterior of the book becomes dusty, wipe it gently with a soft, dry cloth. Do not use liquid cleaners near the component sections.
- **Component Replacement:** While the book is designed for long-term use, individual component strips can be replaced if depleted or damaged. Ensure replacement strips are of the correct 1206 size and value.

## TROUBLESHOOTING

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This section addresses common issues you might encounter with your SMD 1206 Book.

- **Missing or Mislabeled Components:**

If you find that certain components are missing or appear to be mislabeled upon initial inspection, carefully cross-reference with the provided component list (Figure 2). If discrepancies persist, contact customer support for assistance.

- **Difficulty Extracting Components:**

SMD components are small. Always use fine-tipped tweezers for extraction. If a component is stuck, gently tap the strip or use the tweezers to carefully dislodge it without applying excessive force.

- **Damaged Component Strips:**

If a component strip is damaged, preventing easy access or secure storage, consider transferring the

remaining components to a new, appropriate storage solution or contacting customer support for advice.

## SPECIFICATIONS

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Feature	Detail
Model	1206 Book
Component Size	1206 (Surface Mount Device)
Total Components	5435 pieces
Resistor Tolerance	1%
Capacitance Tolerance	10% (pF values 5%)
Maximum Voltage	200 Volts (for relevant components)
Mounting Type	Surface Mount
Material	Copper (for component leads/pads)
Manufacturer	SMT Books and Assortment
UPC	618202981142

## WARRANTY INFORMATION

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Specific warranty details for the Generic SMD 1206 Book are not provided in the product information. For inquiries regarding warranty coverage or returns, please refer to the retailer's return policy or contact the manufacturer directly.

The retailer's return policy indicates a 30-day duration for refunds or replacements.

## SUPPORT

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For technical assistance, product inquiries, or support regarding your SMD 1206 Book, please contact the manufacturer, SMT Books and Assortment, or the retailer from whom the product was purchased.

When contacting support, please have your product model (1206 Book) and UPC (618202981142) available to facilitate a quicker resolution.