



This **Super SMT 74HC Kit™** is **IC74HC107TYPE-15PC**, 107 types of **74HC series Logic Integrated Circuits**.

This easy-to-use kit minimizes your time to look for a particular IC and help solve the problem of workbench clutter. It is convenient, portable, refillable and affordable.

The kit contains a wide selection of 74HC series Logic Integrated Circuits. All of the types are carefully selected by us. Its logic contains **Logic - Multiplexers, Decoders; Logic - Multivibrators; Logic - Gates and Inverters; Logic - Shift Registers; Logic - Buffers, Drivers, Receivers, Transceivers; Logic - Flip Flops; Logic - Latches and Logic - Counters, Dividers**. There are 15PCs for each type.



Abbreviations used here are: IC stands for Integrated Circuits; 74HC is short for IC series. All the types and technical parameters are shown in the tables below. For specific details, please refer to the datasheets.

The 74HC kit is individually stored in snap - lock enclosures. Each enclosure has **128 individually lidded compartments** (0.87" (L) x 0.59" (W) x 0.63" (D)) with manufacturer part number printed on every lid.



It is easy and convenient to operate the enclosure so that your time for obtaining a particular IC is minimized.

The enclosure takes the same surface space as a letter size paper and measures only: **11" (L) x 8.5" (W) x 1.75" (H) or 280 x 216 x 45 (mm)**. Thus they can be easily put on a workbench, stored on a shelf, or transported to another site, making them the best choice for building prototypes or reworking printed circuit boards.

Refills are available for any value in the table. Our kits are offered at such low prices so that you will pay less than the cost of buying the ICs alone from retail distributors.



| Part # | Description | Price |
|--------------------|--|--------|
| IC74HC107TYPE-15PC | 107 types of 74HC series popular logic integrated circuits, 15pcs/type | \$ 590 |



Specifications for 74HC Series Logic Integrated Circuits ($V_{Power Supply}$ is 2 V ~ 6 V)

| Manufacturer Part Number | Manufacturer | Logic Type | Operating Temperature | Package | Datasheet Link |
|--------------------------|-------------------------|---------------------------|-----------------------|----------|---------------------------|
| MC74HC157ADR2G | ON Semiconductor | Data Selector/Multiplexer | -55°C ~ 125°C | 16SOIC | Datasheet |
| SN74HC251DR | Texas Instruments | Data Selector/Multiplexer | -40°C ~ 85°C | 16-SOIC | Datasheet |
| SN74HC157DR | Texas Instruments | Data Selector/Multiplexer | -40°C ~ 85°C | 16SOIC | Datasheet |
| MM74HC138MX | Fairchild Semiconductor | Decoder | -40°C ~ 85°C | 16-SOIC | Datasheet |
| M74HC238RM13TR | STMicroelectronics | Decoder | -55°C ~ 125°C | 16-SOIC | Datasheet |
| MC74HC138ADR2G | ON Semiconductor | Decoder/Demultiplexer | -55°C ~ 125°C | 16SOIC | Datasheet |
| 74HC138D,653 | NXP Semiconductors | Decoder/Demultiplexer | -40°C ~ 125°C | 16SOIC | Datasheet |
| 74HC138PW,118 | NXP Semiconductors | Decoder/Demultiplexer | -40°C ~ 125°C | 16TSSOP | Datasheet |
| 74HC238D,653 | NXP Semiconductors | Decoder/Demultiplexer | -40°C ~ 125°C | 16SOIC | Datasheet |
| SN74HC138DR | Texas Instruments | Decoder/Demultiplexer | -40°C ~ 85°C | 16-SOIC | Datasheet |
| SN74HC138PWR | Texas Instruments | Decoder/Demultiplexer | -40°C ~ 85°C | 16-TSSOP | Datasheet |
| SN74HC139PWR | Texas Instruments | Decoder/Demultiplexer | -40°C ~ 85°C | 16TSSOP | Datasheet |
| SN74HC139DR | Texas Instruments | Decoder/Demultiplexer | -40°C ~ 85°C | 16SOIC | Datasheet |
| M74HC123TTR | STMicroelectronics | Monostable | -55°C ~ 125°C | 16-TSSOP | Datasheet |
| M74HC4538RM13TR | STMicroelectronics | Monostable | -55°C ~ 125°C | 16SOIC | Datasheet |
| CD74HC123PWR | Texas Instruments | Monostable | -55°C ~ 125°C | 16-TSSOP | Datasheet |
| MC74HC4538ADR2G | ON Semiconductor | Monostable | -55°C ~ 125°C | 16SOIC | Datasheet |
| CD74HC123M96 | Texas Instruments | Monostable | -55°C ~ 125°C | 16-SOIC | Datasheet |
| 74HC86D,653 | NXP Semiconductors | XOR (Exclusive OR) | -40°C ~ 125°C | 14SOIC | Datasheet |
| MC74HC86ADR2G | ON Semiconductor | XOR (Exclusive OR) | -55°C ~ 125°C | 14SOIC | Datasheet |
| MC74HC1G08DTT1G | ON Semiconductor | AND Gate | -55°C ~ 125°C | SOT23-5 | Datasheet |
| MC74HC08ADTR2G | ON Semiconductor | AND Gate | -55°C ~ 125°C | 14TSSOP | Datasheet |
| 74HC1G08GW,125 | NXP Semiconductors | AND Gate | -40°C ~ 125°C | SC88A-5 | Datasheet |
| 74HC08D,653 | NXP Semiconductors | AND Gate | -40°C ~ 125°C | 14SOIC | Datasheet |
| MM74HC08MTCX | Fairchild Semiconductor | AND Gate | -40°C ~ 85°C | 14-TSSOP | Datasheet |
| MM74HC08MX | Fairchild Semiconductor | AND Gate | -40°C ~ 85°C | 14-SOIC | Datasheet |
| SN74HC08DR | Texas Instruments | AND Gate | -40°C ~ 85°C | 14-SOIC | Datasheet |
| SN74HC08NSR | Texas Instruments | AND Gate | -40°C ~ 85°C | 14-SOP | Datasheet |
| SN74HC11PWR | Texas Instruments | AND Gate | -40°C ~ 85°C | 14-TSSOP | Datasheet |
| SN74HC21PWR | Texas Instruments | AND Gate | -40°C ~ 85°C | 14TSSOP | Datasheet |
| MC74HC1G00DTT1G | ON Semiconductor | NAND Gate | -55°C ~ 125°C | SOT23-5 | Datasheet |
| 74HC1G00GW,125 | NXP Semiconductors | NAND Gate | -40°C ~ 125°C | SC88A-5 | Datasheet |
| 74HC00D,653 | NXP Semiconductors | NAND Gate | -40°C ~ 125°C | 14SOIC | Datasheet |
| MM74HC00MTCX | Fairchild Semiconductor | NAND Gate | -40°C ~ 85°C | 14-TSSOP | Datasheet |
| MM74HC00MX | Fairchild Semiconductor | NAND Gate | -40°C ~ 85°C | 14-SOIC | Datasheet |
| SN74HC00DR | Texas Instruments | NAND Gate | -40°C ~ 85°C | 14SOIC | Datasheet |
| SN74HC00PWR | Texas Instruments | NAND Gate | -40°C ~ 85°C | 14-TSSOP | Datasheet |
| SN74HC20DR | Texas Instruments | NAND Gate | -40°C ~ 85°C | 14-SOIC | Datasheet |



| Manufacturer Part Number | Manufacturer | Logic Type | Operating Temperature | Package | Datasheet Link |
|--------------------------|-------------------------|-------------------------------|-----------------------|----------|---------------------------|
| 74HC132D,653 | NXP Semiconductors | NAND Gate - Schmitt Trigger | -40°C ~ 125°C | 14SOIC | Datasheet |
| SN74HC132DR | Texas Instruments | NAND Gate - Schmitt Trigger | -40°C ~ 85°C | 14-SOIC | Datasheet |
| SN74HC132PWR | Texas Instruments | NAND Gate - Schmitt Trigger | -40°C ~ 85°C | 14-TSSOP | Datasheet |
| MC74HC1G04DTT1G | ON Semiconductor | Inverter | -55°C ~ 125°C | SOT23-5 | Datasheet |
| 74HC1G04GW,125 | NXP Semiconductors | Inverter | -40°C ~ 125°C | SC88A-5 | Datasheet |
| 74HC04D,653 | NXP Semiconductors | Inverter | -40°C ~ 125°C | 14SOIC | Datasheet |
| 74HC04PW,118 | NXP Semiconductors | Inverter | -40°C ~ 125°C | 14-TSSOP | Datasheet |
| MM74HC04MX | Fairchild Semiconductor | Inverter | -40°C ~ 85°C | 4-SOIC | Datasheet |
| TC74HC04AFN(ELF,M) | Toshiba | Inverter | -40°C ~ 85°C | 14-SOL | Datasheet |
| SN74HC04DR | Texas Instruments | Inverter | -40°C ~ 85°C | 14-SOIC | Datasheet |
| SN74HC04PWR | Texas Instruments | Inverter | -40°C ~ 85°C | 14-TSSOP | Datasheet |
| SN74HC04NSR | Texas Instruments | Inverter | -40°C ~ 85°C | 14-SOP | Datasheet |
| SN74HC240PWR | Texas Instruments | Inverter | -40°C ~ 85°C | 20TSSOP | Datasheet |
| SN74HC05DR | Texas Instruments | Inverter with Open Drain | -40°C ~ 85°C | 14-SOIC | Datasheet |
| MM74HC14MX | Fairchild Semiconductor | Inverter with Schmitt Trigger | -55°C ~ 125°C | 14-SOIC | Datasheet |
| 74HC1G14GW,125 | NXP Semiconductors | Inverter with Schmitt Trigger | -40°C ~ 125°C | SC88A-5 | Datasheet |
| 74HC14D,653 | NXP Semiconductors | Inverter with Schmitt Trigger | -40°C ~ 125°C | 14SOIC | Datasheet |
| 74HC14PW,118 | NXP Semiconductors | Inverter with Schmitt Trigger | -40°C ~ 125°C | 14-TSSOP | Datasheet |
| TC74HC14AFN(ELF,M) | Toshiba | Inverter with Schmitt Trigger | -40°C ~ 85°C | 14-SOL | Datasheet |
| MC74HC14ADTR2G | ON Semiconductor | Inverter with Schmitt Trigger | -55°C ~ 125°C | 14TSSOP | Datasheet |
| SN74HC14PWR | Texas Instruments | Inverter with Schmitt Trigger | -40°C ~ 85°C | 14-TSSOP | Datasheet |
| SN74HC14NSR | Texas Instruments | Inverter with Schmitt Trigger | -40°C ~ 85°C | 14-SOP | Datasheet |
| CD74HC14M96 | Texas Instruments | Inverter with Schmitt Trigger | -55°C ~ 125°C | 14-SOIC | Datasheet |
| SN74HC14DR | Texas Instruments | Inverter with Schmitt Trigger | -40°C ~ 85°C | 14-SOIC | Datasheet |
| MM74HC32MX | Fairchild Semiconductor | OR Gate | -40°C ~ 85°C | 14-SOIC | Datasheet |
| 74HC32D,653 | NXP Semiconductors | OR Gate | -40°C ~ 125°C | 14SOIC | Datasheet |
| MC74HC1G32DTT1G | ON Semiconductor | OR Gate | -55°C ~ 125°C | SOT23-5 | Datasheet |
| SN74HC32DR | Texas Instruments | OR Gate | -40°C ~ 85°C | 14-SOIC | Datasheet |
| CD74HC4075PWR | Texas Instruments | OR Gate | -55°C ~ 125°C | 14-TSSOP | Datasheet |
| MM74HC02MX | Fairchild Semiconductor | NOR Gate | -40°C ~ 85°C | 14-SOIC | Datasheet |
| 74HC02D,653 | NXP Semiconductors | NOR Gate | -40°C ~ 125°C | 14SOIC | Datasheet |
| SN74HC27DR | Texas Instruments | NOR Gate | -40°C ~ 85°C | 14SOIC | Datasheet |
| CD74HC4094M96 | Texas Instruments | Shift Register | -55°C ~ 125°C | 16SOIC | Datasheet |
| SN74HC595DR | Texas Instruments | Shift Register | -40°C ~ 85°C | 16SOIC | Datasheet |
| SN74HC595NSR | Texas Instruments | Shift Register | -40°C ~ 85°C | 16-SOP | Datasheet |
| 74HC165D,653 | NXP Semiconductors | Shift Register | -40°C ~ 125°C | 16SOIC | Datasheet |
| MC74HC165ADR2G | ON Semiconductor | Shift Register | -55°C ~ 125°C | 16SOIC | Datasheet |
| SN74HC165PWR | Texas Instruments | Shift Register | -40°C ~ 85°C | 16-TSSOP | Datasheet |



| Manufacturer Part Number | Manufacturer | Logic Type | Operating Temperature | Package | Datasheet Link |
|--------------------------|-------------------------|-----------------------------------|-----------------------|----------|---------------------------|
| SN74HC165NSR | Texas Instruments | Shift Register | -40°C ~ 85°C | 16-SOP | Datasheet |
| CD74HC165M96 | Texas Instruments | Shift Register | -55°C ~ 125°C | 16SOIC | Datasheet |
| MC74HC595ADR2G | ON Semiconductor | Shift Register | -55°C ~ 125°C | 16SOIC | Datasheet |
| MC74HC595ADTR2G | ON Semiconductor | Shift Register | -55°C ~ 125°C | 16TSSOP | Datasheet |
| MM74HC595MX | Fairchild Semiconductor | Shift Register | -40°C ~ 85°C | 16-SOIC | Datasheet |
| MM74HC595MTCX | Fairchild Semiconductor | Shift Register | -40°C ~ 85°C | 16-TSSOP | Datasheet |
| SN74HC245NSR | Texas Instruments | Transceiver, Non-Inverting | -40°C ~ 85°C | 20SOP | Datasheet |
| CD74HC4050M96 | Texas Instruments | Buffer/Line Driver, Non-Inverting | -55°C ~ 125°C | 16SOICN | Datasheet |
| MM74HC125MX | Fairchild Semiconductor | Buffer/Line Driver, Non-Inverting | -40°C ~ 85°C | 14SOIC | Datasheet |
| 74HC1G125GW,125 | NXP Semiconductors | Buffer/Line Driver, Non-Inverting | -40°C ~ 125°C | 5TSSOP | Datasheet |
| 74HC125D,653 | NXP Semiconductors | Buffer/Line Driver, Non-Inverting | - | 14SOICN | Datasheet |
| M74HC365RM13TR | STMicroelectronics | Buffer/Line Driver, Non-Inverting | -55°C ~ 125°C | 16SOICN | Datasheet |
| SN74HC125DR | Texas Instruments | Buffer/Line Driver, Non-Inverting | -40°C ~ 85°C | 14SOICN | Datasheet |
| SN74HC244NSR | Texas Instruments | Buffer/Line Driver, Non-Inverting | -40°C ~ 85°C | 20SOP | Datasheet |
| SN74HC541PWR | Texas Instruments | Buffer/Line Driver, Non-Inverting | -40°C ~ 85°C | 20TSSOP | Datasheet |
| TC74HC125AFN(ELF,M) | Toshiba | Buffer/Line Driver, Non-Inverting | -40°C ~ 85°C | 14-SOIC | Datasheet |
| SN74HC125PWT | Texas Instruments | Buffer/Line Driver, Non-Inverting | -40°C ~ 85°C | 14TSSOP | Datasheet |
| CD74HC73M96 | Texas Instruments | JK Type | -55°C ~ 125°C | 14SOIC | Datasheet |
| MM74HC74AMTCX | Fairchild Semiconductor | D-Type | -40°C ~ 85°C | 14TSSOP | Datasheet |
| MM74HC74AMX | Fairchild Semiconductor | D-Type | -40°C ~ 85°C | 14-SOIC | Datasheet |
| M74HC74RM13TR | STMicroelectronics | D-Type | -55°C ~ 125°C | 14-SOIC | Datasheet |
| MC74HC74ADTR2G | ON Semiconductor | D-Type | -55°C ~ 125°C | 14TSSOP | Datasheet |
| SN74HC74NSR | Texas Instruments | D-Type | -40°C ~ 85°C | 14-SOP | Datasheet |
| SN74HC74DR | Texas Instruments | D-Type | -40°C ~ 85°C | 14-SOIC | Datasheet |
| M74HC73TTR | STMicroelectronics | JK Type | -55°C ~ 125°C | 14-TSSOP | Datasheet |
| SN74HC573APWR | Texas Instruments | D-Type Transparent Latch | -40°C ~ 85°C | 20-TSSOP | Datasheet |
| 74HC161D,653 | NXP Semiconductors | Binary Counter | -40°C ~ 125°C | 16SOIC | Datasheet |
| 74HC393D,653 | NXP Semiconductors | Binary Counter | -40°C ~ 125°C | 14SOIC | Datasheet |
| M74HC4060TTR | STMicroelectronics | Binary Counter | -55°C ~ 125°C | 16-TSSOP | Datasheet |
| M74HC161TTR | STMicroelectronics | Binary Counter | -55°C ~ 125°C | 16-TSSOP | Datasheet |
| SN74HC4060DR | Texas Instruments | Binary Counter | -40°C ~ 85°C | 16SOIC | Datasheet |



NOTICE

1. ATI warrants performance of its products for one year to the specifications applicable at the time of sale, except for those being damaged by excessive abuse. Products found not meeting the specifications within one year from the date of sale can be exchanged free of charge.
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