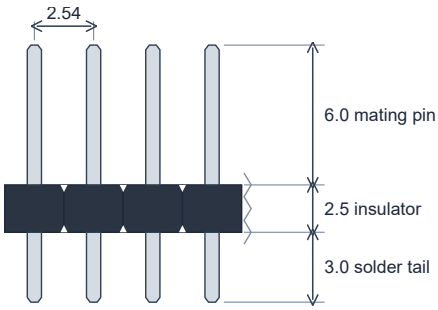
2.54 mm Male Pin Header Strip, 1 x 40

Straight, single row, breakaway. One strip of 40 pins.

1 x 40 | 2.54 mm PITCH | STRAIGHT | BREAKAWAY

MECHANICAL OUTLINE



Overall pin length 11.5. Pin section 0.64 square.

Side view of 4 of the 40 positions. Simplified and not to scale.
Nominal dimensions in mm.

FIT AND COMPATIBILITY

Pitch: 2.54 mm (0.1 in) between pin centres, the common spacing for breadboards, Arduino and ESP32 boards, Raspberry Pi GPIO and most sensor modules.

Mates with: 2.54 mm female headers, female Dupont jumper sockets and solderless breadboards.

Which side goes where: the short tails go through the board and are soldered. The long pins are the connector side.

Need pins parallel to the board? Use the right-angle version of this strip, **Click IT SKU CLICK-IT-608773**

IDENTIFICATION AND MECHANICAL DATA

PARAMETER	VALUE
Type	**Male pin header strip, single row, through-hole**
Positions	**40 (1 x 40)**
Pitch	**2.54 mm (0.1 in)**
Strip length	**101.6 mm nominal (40 x 2.54 mm)**
Pin style	**Straight, square section, chamfered tips**
Pin section	**0.64 mm square, nominal**
Pin length	**11.5 mm overall, nominal: 6.0 mm mating side, 2.5 mm insulator, 3.0 mm tail**
Insulator	**Black moulded plastic, V-notch between every position**
Pin finish	**Bright silver colour**
Suggested PCB hole	**1.0 mm finished diameter on a 2.54 mm grid**

Dimensions are nominal values for this header style, checked against the proportions of **Click IT stock.** Allow a small tolerance when designing a tight fit.

SNAPPING TO LENGTH

- **Count:** count the pins you need along the strip.
- **Snap:** hold the strip each side of the notch with flat-nose pliers or your fingers and bend. It breaks cleanly between two pins, so no pin is lost.
- **Cutting:** side cutters also work. Cut through the plastic in the notch, never through a pin.
- **Tidy up:** a light file or a scrape with a knife removes any rough plastic left on the end.

SOLDERING TO A MODULE

- **Hold it square:** push the long pins into a breadboard, then sit the module over the short tails. The breadboard keeps the pins straight and evenly spaced.
- **Tack first:** solder one end pin, check the module sits flat, then solder the other end and the rest.
- **Be quick:** keep the iron on each joint only long enough for the solder to flow, so the plastic does not soften and let a pin move.
- **Check:** look for bridges between neighbouring pins before powering up.

REVISION HISTORY

REV	DATE	CHANGE
1.0	2026-10-14	First release