

## FitMate™ 0.80mm Hand Tool

The Amphenol's FCI Basics' crimping hand tool is designed for applications in the prototyping phase or small production quantities. The hand tool has a mechanism which opens automatically after making the last advance of the ratchet.

This hand tool is dedicated for FitMate™ 0.80 mm Crimp-to-Wire product. FitMate™ 0.80mm is the ideal solution for devices that require compact and low profile connectors and is available in single row vertical SMT and right angle SMT configurations.

These connectors come with locking features to provide enhanced contact reliability.

- FitMate™ Hand tool P/N: 10168628-001HT (AWG 28-30)
- Contact P/N:
  - 10154208-10LF (AWG 30)
  - 10154208-11LF (AWG 28)
- Ergonomic handle for an optimal grip



### TARGET MARKETS



Amphenol CS recommends using the hand tool for prototyping and small production quantities. This tool should only be used for the terminals and wire gauges specified in this document. To learn more about how to use our all-in-one Crimping Hand Tool, [click](#) to watch the video.

## Hand Tool Assembly

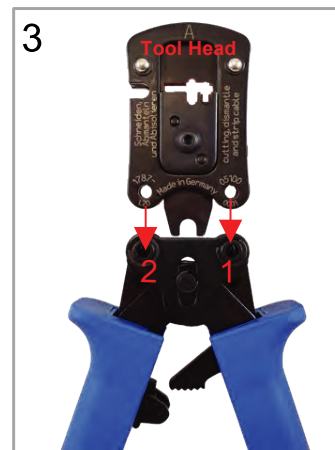
### FitMate™ 0.80mm Hand Tool P/N: 10168628-001HT



1  
Unlock 2 pins by pushing towards them.



2  
Extract the pins.



3  
Open the handles and insert the tool head into the open holes.  
The laser marking of both parts should match.



4  
Lock the pins by pushing toward them. Hand Tool is ready to use.



#### NOTE

Amphenol CS recommends using the hand tool for prototyping and small production quantities only.

## Premature Release of the Hand Tool

In case of an assembly mistake / operating fault the pliers can be opened prematurely by unlocking the integrated ratchet by pushing the handles gently together and at the same time releasing the locking lever.

By doing so the handles can be opened completely and the crimp contact can be released.



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**CAUTION**

Do not use the crimped wire in case of a premature release!

**Please pay attention that in-correct crimped wires are disposed and not processed.**

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