

## Excellent Integrated System Limited

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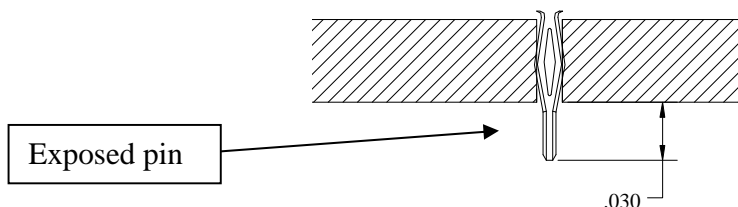
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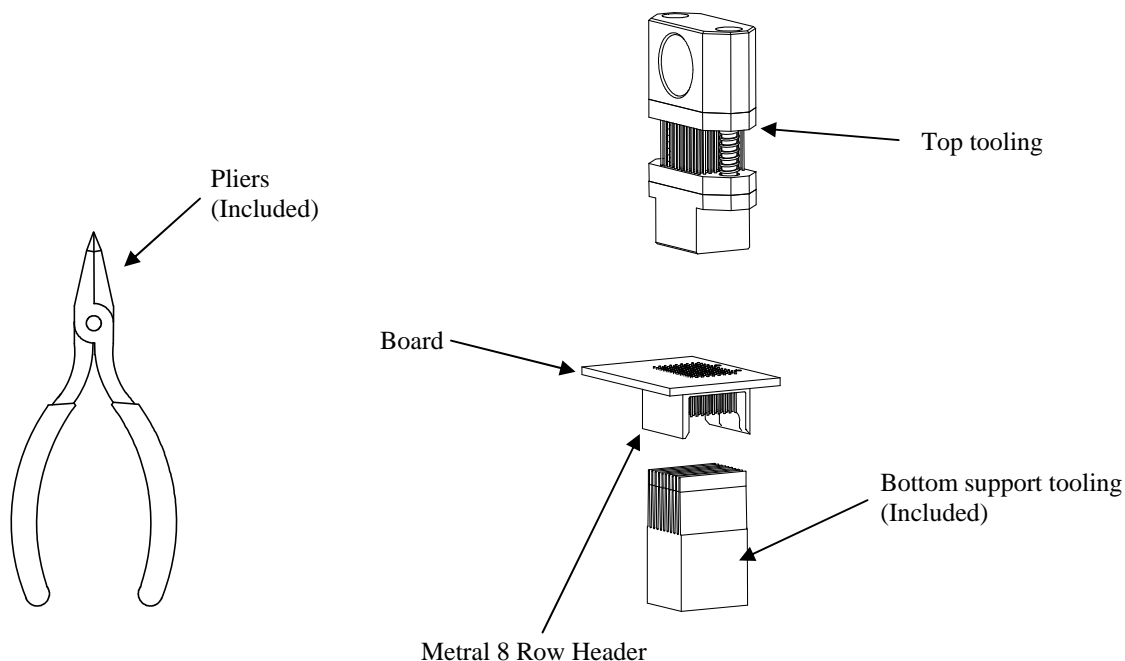
## Metral 8 Row STD, 1000 & 2000 Series Header & Shroud Removal

FCI offers two removal tool styles for 8 row series headers. The removal tooling will remove Metral Standard, 1000, and 2000 Series Headers with varying tail lengths. The 8 x 12-grid (standard), and 9 x 12-grid (1000& 2000 series) pin removal tool kits are hand tools used to remove Metral signal pins from the tail side of the circuit board. A hand operated arbor press, not included, is required to actuate the hand tool. The 8 x 12-grid tool kit removes 8 columns by 12 rows and the 9 x 12 grid tool kit removes 9 columns by 12 rows of pins at one time. The kit includes top tooling, bottom support tooling, and pliers for plastic & ground spring removal.

Product Style	Hole Pattern	For exposed pins of at least .030"	**For hidden, or less than .030" exposed pins.
Standard	8 x 12 Grid	HT-0538 416270-003	HT-0538A 416270-004
1000 & 2000	9 x 12 Grid	HT-0540 416270-001	HT-0540A 416270-002



\*\* If the pins are exposed, but are less than .030" in length, you will have to use both tools. Ex: You are using 8 row standard headers and the pin length exposed is .020". You will have to use HT-0538 to press the pins slightly into the board. You will then have to use HT-0538A to finish pressing the connector from the board.



### Shroud Removal:

The header is pressed off of the board using this method. Once the header is pressed free, the shroud is no longer attached. ( the header pins are what hold the shroud)