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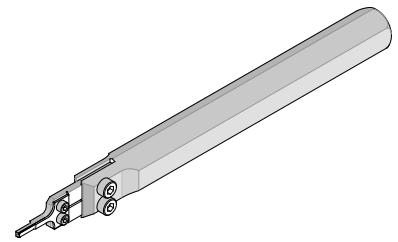
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**Impact™
Backplane
Signal Contact
Insertion Tool**



**Application Tooling
Specification Sheet**



Order No. 62100-5850

FEATURES

- The Impact™ Insertion Tool is used for replacing a damaged signal contact on a Molex Impact™ 85 Ohm terminal backplane header that is mounted onto a printed circuit board (PCB).

SCOPE

Products: Impact™ 85 Ohm Backplane. See Product List below for specific part numbers

Product List

The following is a partial list of the product order numbers and their specifications that this tool is designed to be used with. Updates to this list are available on www.molex.com.

Series No.	Backplane Header Assembly Order No.							
170522	170522-0002							
170332	170332-0003	170332-0008	170332-0010	170332-0011	170332-0012	170332-0013	170332-0014	170332-0016
170472	170472-0002							
170518	170518-0001							
170532	170532-0001							
170520	170520-0001							
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	171065-9107	171065-9108	171065-9603	171065-9604	171065-9605	171065-9606	171065-9607	171065-9608
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	170525-3633	170525-3634	170525-3635	170525-3636	170525-3637	170525-3638	170525-3643	170525-3644

Series No.	Backplane Header Assembly Order No.							
170525	170525-9173	170525-9174	170525-9175	170525-9176	170525-9177	170525-9178	170525-9183	170525-9184
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Series No.	Backplane Header Assembly Order No.							
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Series No.	Backplane Header Assembly Order No.							
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Series No.	Backplane Header Assembly Order No.							
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170535-9677	170535-9678	170535-9683	170535-9684	170535-9685	170535-9686	170535-9687	170535-9688	

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OPERATION

Inspect the Signal Module and PCB. Make sure that the damaged signal contact has been completely removed.

Signal Contact Replacement

1. Place the signal contact at the tip of the insertion tool and slide the contact so it rests underneath the terminal clamp.
2. The signal contact will be guided using the groove located on the insertion tool and should be pushed all the way underneath the terminal clamp.

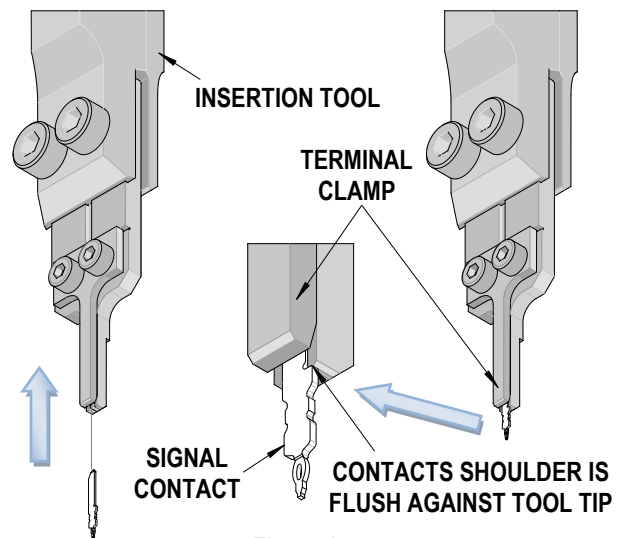


Figure 1

3. The signal contact is completely seated in the insertion tool when, the contacts shoulder is resting against the insertion tool tip and can no longer be moved up. See Figure 1.
4. Make sure the signal contact is in the correct orientation. Check the column where the repair signal contact is being replaced and compare the column to the contact signal on the insertion tool. The two should be the same. The adjacent column is oriented in the opposite direction. See Figure 2.
5. Line-up the pins tip on the signal contact, with the hole in the signal module and push the pin tip with the insertion tool through the housing and the PCB.
6. There is a clearance groove on the opposite side of the tool. When inserting the signal contact, make sure the tip of the tool is inside the sidewalls of the ground shield.
7. Continue pushing the signal contact until the insertion tool and terminal shoulder are seated securely to the inside housing surface. See Figure 3.
8. Pull the insertion tool straight up and remove. Check the final seating of the signal contact, the terminal shoulder should be seated flush with inside surface on housing.

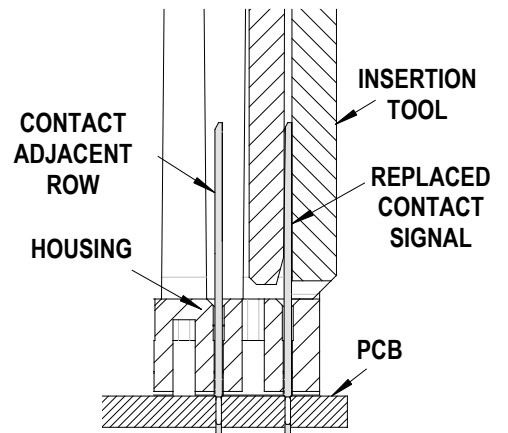


Figure 2

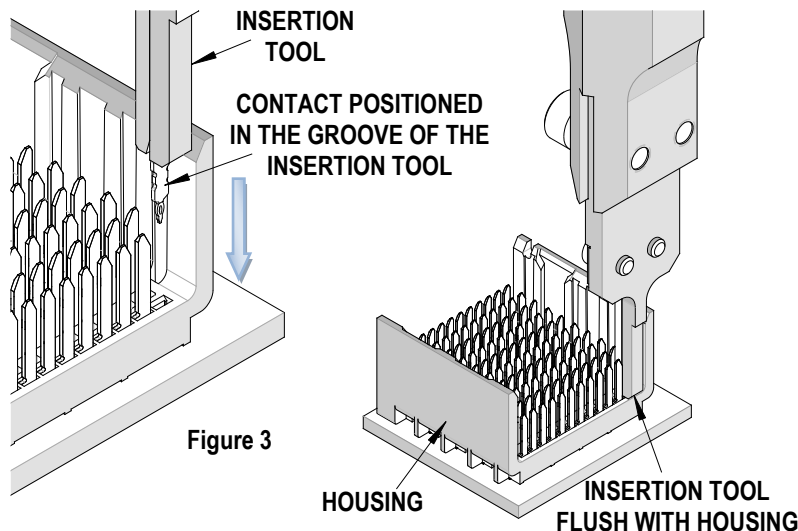


Figure 3

Molex does not offer repair parts for Insertion Tools due to the inexpensive nature of the tool.

CAUTION: To prevent injury, wear eye protection when using this tool.

CAUTION: Molex application tooling specifications are valid only when used with Molex connectors and tooling.

Contact Information

For more information on Molex application tooling please contact Molex at 1-800-786-6539.

Visit our Web site at <http://www.molex.com>