THR Through-Hole-Reflow Technology DIN-Connectors





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THR Through-Hole-Reflow Technology **DIN-Connectors**



- \triangleright As manufacturers move to one step solder process using reflow techniques, normal through hole components don't meet the temperature demands required.
- Pancon is pleased to announce the introduction of our high temperatur DIN 41612 connector series, THR (Through Hole Reflow)
- The connectors are designed to withstand reflow temperatures and be soldered in the same production batch as other surface mount components on the PCB. This eliminates the need for additional solder operations like wave solder or press-fit.
- In the past, the SMT components had to be assembled and reflow soldered, before in an additional process step the connector had been pressed into the PCB. Now the male or female connectors are soldered fully automated with the other components in the standard SMT process.
- Pancon connectors in THR are made from a high temperature resistant plastic, which fulfils the requirements of J-STD-020D (Moisture/Reflow Sensitivity **Classification for Nonhermetic** Solid State Surface-Mount Devices). In accordance with RoHS compliance specifications, Pancon's THR connectors are suitable for any lead free reflow solder process and are rated to a

PCB with solder paste filled-in



Connector pins are being pressed-in



Ready for soldering



THR (Through Hole Reflow)

technology involves the following manufacturing steps:

- First, the solder paste is applied to the PCB. This is done either with a silk print process, a dispenser, or a solder preform.
- The SMD components are then placed onto the PCB. Finally, the connectors are placed into the holes, which are filled with solder paste.
- ⊳ In order to insure a quality reflow solder process, a uniform heat distribution is necessary to all solder locations.
- Although the connectors have a higher volume and mass as other SMT components, a longer solder time is not required. Pancon's highttemperature THR connectors are as completely reliably as conventional wave solder connections. Additionally, all visual inspection requirements of the international standards are met.

DIN connectors are widely used in many manufacturing environments with various termination methods to the PCB. Pancon also offers additional DIN 41612 connectors for electronic applications, including press-fit technology.

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Please contact our Customer Service for price and availability

Pancon P/N	style	Description
100-064-033	В	DIN header, Type B, angled, solder pin 3.0mm, 64 contacts, class 2
100-064-133	В	DIN header, Type B, straight, solder pin 3.0mm, 64 contacts, class 2
100-064-432	В	DIN socket, Type B, straight, solder pin 4.6mm, 64 contacts, class 2
100-064-433	В	DIN socket, Type B, straight, solder pin 3.4mm, 64 contacts, class 2
100-096-033	С	DIN header, Type C, angled, solder pin 3.0mm, 96 contacts, class 2
100-096-033B	С	DIN header, Type C, angled, solder pin 3.0mm, 96 contacts, class 2, Clip
100-096-133	С	DIN header, Type C, straight, solder pin 3.0mm, 96 contacts, class 2
100-096-432	С	DIN socket, Type C, straight, solder pin 4.6mm, 96 contacts, class 2
100-096-433	С	DIN socket, Type C, straight, solder pin 3.4mm, 96 contacts, class 2
100-232-033	В	DIN header, Type B, angled, solder pin 3.0mm, 32 contacts in row a, class 2
100-232-133	В	DIN header, Type B, straight, solder pin 3.0mm, 32 contacts in row a, class 2
100-232-432	В	DIN socket, Type B, straight, solder pin 4.6mm, 32 contacts [row a], class 2
100-232-433	В	DIN socket, Type B, straight, solder pin 3.4mm, 32 contacts [row a], class 2
100-332-033	C/2	DIN header, Type C/2, angled, solder pin 3.0mm, 32 contacts [rows a & c], class 2
100-332-432	C/2	DIN socket, Type C/2, straight, solder pin 4.6mm, 32 contacts [rows a & c], class 2
100-332-433	C/2	DIN socket, Type C/2, straight, solder pin 3.4mm, 32 contacts, class 2
100-348-033	C/2	DIN header, Type C/2, angled, solder pin 3.0mm, 48 contacts, class 2
100-348-133	C/2	DIN header, Type C/2, straight, solder pin 3.0mm, 48 contacts, class 2
100-348-432	C/2	DIN socket, Type C/2, straight, solder pin 4.6mm, 48 contacts, class 2
100-348-433	C/2	DIN socket, Type C/2, straight, solder pin 3.4mm, 48 contacts, class 2
100-532-033	В	DIN header, Type B, angled, solder pin 3.0mm, 32 contacts [rows a & b / even numbers], class 2
100-632-033	B/2	DIN header, Type B/2, angled, solder pin 3.0mm, 32 contacts, class 2
100-632-133	B/2	DIN header, Type B/2, straight, solder pin 3.0mm, 32 contacts, class 2
100-932-033	С	DIN header, Type C, angled, solder pin 3.0mm, 32 contacts [rows a & c, even numbers], class 2
100-932-033B	С	DIN header, Type C, angled, solder pin 3.0mm, 32 contacts [rows a & c, even numbers], class 2, Clip
100-932-133	С	DIN header, Type C, straight, solder pin 3.0mm, 32 contacts [rows a & c, even numbers], class 2
100-964-033	С	DIN header, Type C, angled, solder pin 3.0mm, 64 contacts, class 2
100-964-033B	С	DIN header, Type C, angled, solder pin 3.0mm, 64 contacts, class 2, Clip
100-964-133	С	DIN header, Type C, straight, solder pin 3.0mm, 64 contacts, class 2
100-964-432	С	DIN socket, Type C, straight, solder pin 4.6mm, 64 contacts, class 2
100-964-432B	С	DIN socket, Type C, straight, solder pin 4.6mm, 64 contacts, class 2, Clip
100-964-433	С	DIN socket, Type C, straight, solder pin 3.4mm, 64 contacts, class 2
130-096-133	R	DIN header, inverted [R], class 2, 96 contacts, 4.0mm solder pin
130-096-533	R	DIN socket, inverted [R], class 2, 96 contacts, 3.0mm
130-964-133	R	DIN header, inverted [R], class 2, 64 contacts, 4.0mm
130-964-533	R	DIN socket, inverted [R], class 2, 64 contacts, 3.0mm

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