



Thermo-plane Thermodes

The Thermode (Hot bar), which is at the heart of each bonding system, has been specially designed by AMADA WELD TECH for a range of applications. Since each customer application demands its own specific requirements, AMADA WELD TECH offers a complete range of pulsed-heat thermodes (Hot bars). The MIYACHI EAPRO thermode design offers ultra-fast heating and cooling cycles and hence minimises process times. Forced air-cooling after the heating process further speeds the total bonding process. The thermode is designed to maintain co-planarity and withstand the deformation that results from the high forces that may be necessary in some bonding processes. The Thermo-plane Thermode eliminates voltage drop as current flows through the thermode from front-to-back instead of from left-to-right, preventing damage to the parts when soldering.

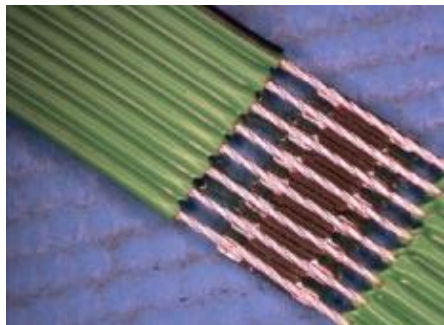
Key features Thermo-plane Thermodes

- Fast heating and forced air cooling for minimum process cycle times
- Robust 3-dimensional design for high force applications and perfect bond planarity
- Adapter block (QCB) for easy and fast exchange of thermodes without re-adjustment
- 3-D design eliminates voltage drop on products

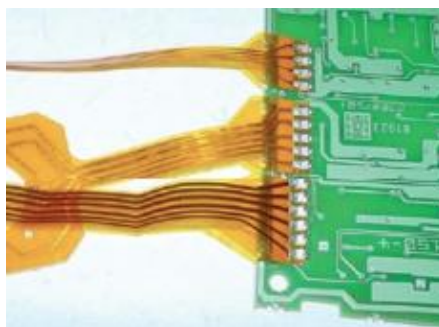
Specifications Thermo-plane Thermodes

2-D THERMODE (PULSED HEAT)			
Dimensions Length / Width	QCB-Type	TC-Type	Specify Thermode for order purpose
5 - 50 mm / <3	69Q0016	K-Type	Width x Length (mm) / custom design
3-D THERMODE-PLANE THERMODE (PULSED HEAT)			
Dimensions Length / Width	QCB-Type	Type	Specify Thermode for order purpose
1 - 50 mm / < 4 mm	69Q0001/69Q0015	K-type	Width x Length [mm]
51 - 100 mm / < 4 mm	69Q0002	K-Type	Width x Length [mm]
101 - 150 mm / < 4 mm	69Q0003	K-type	Width x Length [mm]
HEAT STAKE THERMODE (PULSED HEAT)			
Dome shape	Type	Specify for design purpose	Specify for design purpose
Circle or square	K-Type	Dome size (length x Height x Diameter) + material	Required dome shape after heatstake
Custom	K-Type	Dome size (Length x Height x Diameter) + material	Required dome shape after heatstake

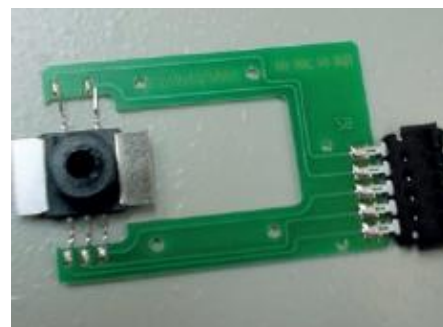
Product applications Thermo-plane Thermodes



2-D Thermo-plane thermode application wire soldering



3-D Thermo-plane thermode application Flex soldering



3-D Thermo-plane thermode application leadframe soldering



Heat stake thermode application mobile phone
heat staking

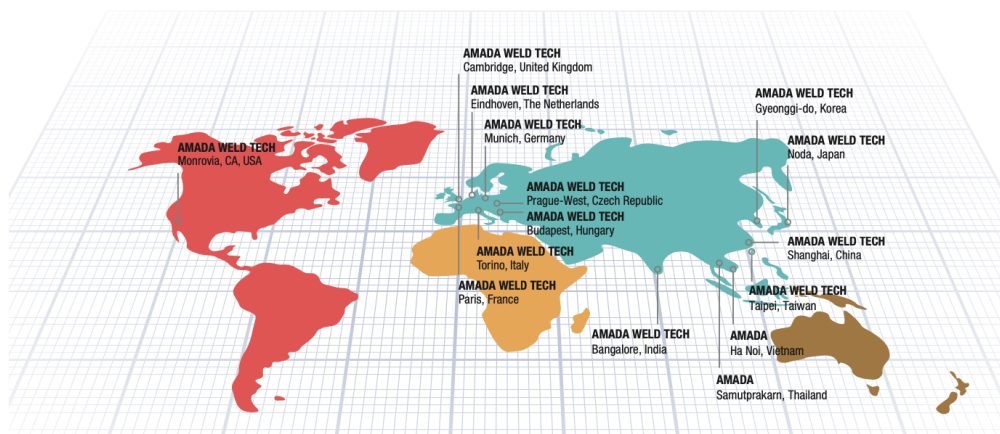
AMADA[®]

AMADA WELD TECH

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