

## Adapters

### QFP48

Target CPU package: QFP48

Body size: 7 mm x 7 mm

Pitch: 0.5 mm

POD target layout: 2x SAMTEC - ERF8-040-05.0-L-DV-TR

Wire length: 200 mm

Can be used with:

- RL78 ActiveGT POD

This adapter is used in conjunction with the RL78 ActiveGT POD emulating the target CPU in the QFP48 package (size 7 mm x 7 mm).

**Described adapter parts can be used only with listed PODs. Disregarding this warning may result in hardware failure of the emulation system and the target.**

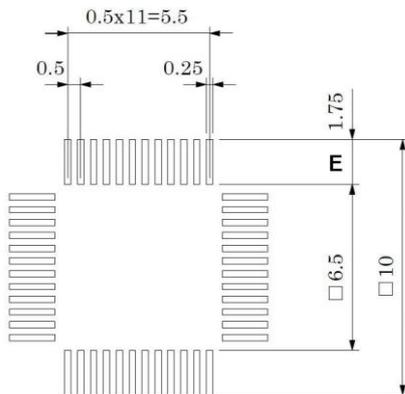
#### ► Required Adapter Parts (by ordering code):

- **IA48TQ-SOLDER**

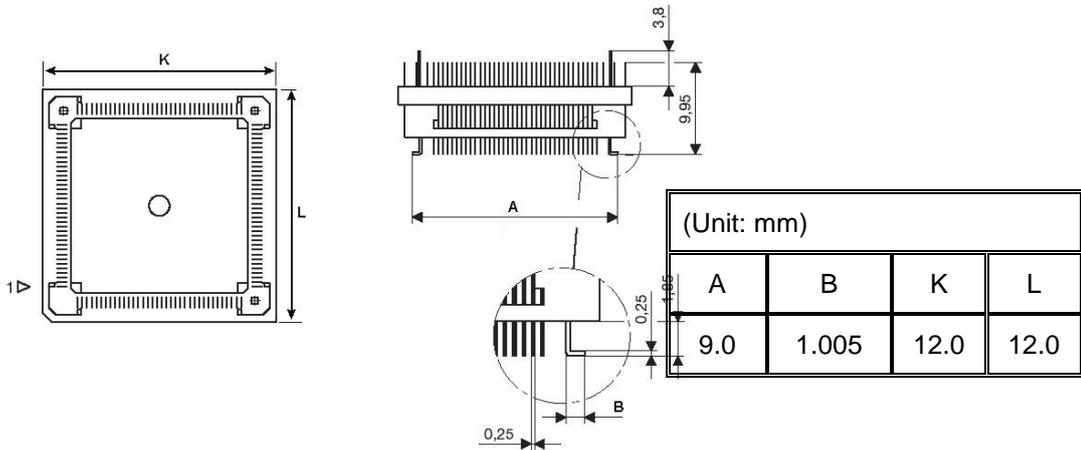


*Solder part, which is being soldered to the target.*

Recommended (by TET) PCB footprint size (in mm):



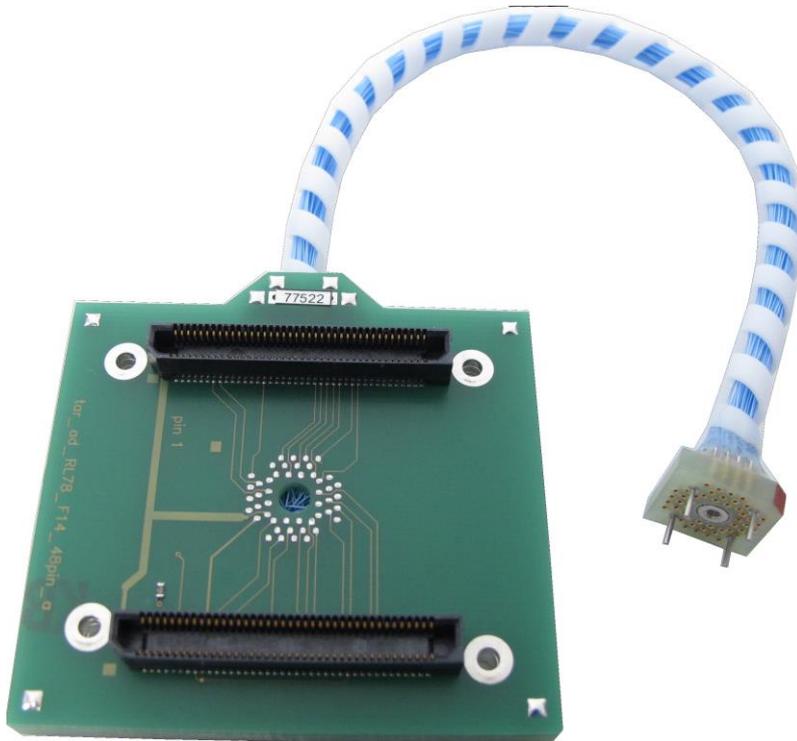
When it's meant soldering the solder part manually, it's highly recommended prolonging the dimension E on the outer side (e.g. for 1.5-2 mm) during the PCB design. Note that without this modification it's very difficult to solder the solder part manually.



*IA48TQ-SOLDER dimensions*

User must be familiar with the SMT (Surface Mount Technology) soldering in order to solder the IA48TQ-SOLDER to the PCB instead of the original microcontroller. On request, iSYSTEM can provide this service too.

- **IA48RL78F13-WIRE**



*The IA48RL78F13-WIRE represents flexible connection between the POD and the target.*

## ► Assembly

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While assembling the adapter and connecting the POD to the target, pay attention to pin 1. Improper use of the adapter or even incorrect adapter used with your particular POD can damage the emulation system and the target.

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1. First, connect the IA48RL78F13-WIRE to the POD.
2. Next, solder down the IA48TQ-SOLDER to the target PCB
3. Finally, connect the POD to the soldered IA48TQ-SOLDER via the IA48RL78F13-WIRE.

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