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## Adapters

### QFP80 - Yamaichi

Target CPU package: QFP80  
Body size: 14 mm x 14 mm  
Pitch: 0.65 mm  
POD target layout: T\_QFP80

Can be used with:

- 78K0/Kx1 Active PRO POD
- 78K0/Kx2 Active PRO POD
- 78K0/Fx2 Active PRO POD
- 68HC08LK Active POD
- 68HC08LK POD
- 68HC05L16 POD
- EH-C515 POD
- EH-C505L POD
- EH-PSB2154 POD
- 68HC912B32 POD
- CR16MCS9 POD
- CR16 MHS9 POD
- CR16MCT9 POD
- 68HC912GA32 ActivePOD
- 68HC912B32 POD
- 68HC12B32 SmartPOD
- ST72F521 POD
- ST7MC1/MC2 POD

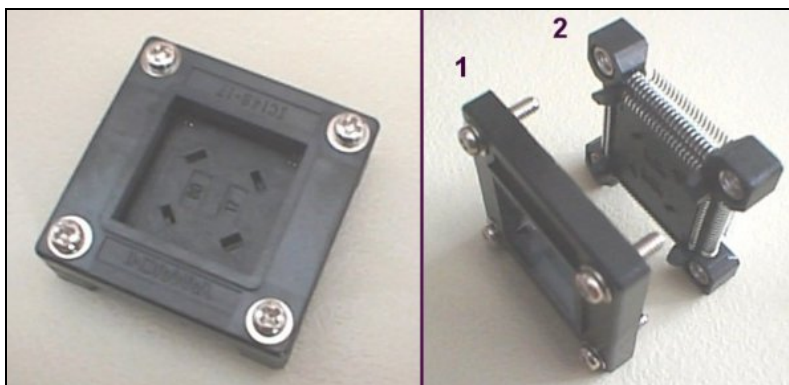
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Note that adapter solutions stated in the document can be used only with listed PODs. Disregarding this warning may result in hardware failure of the target and the emulation system.

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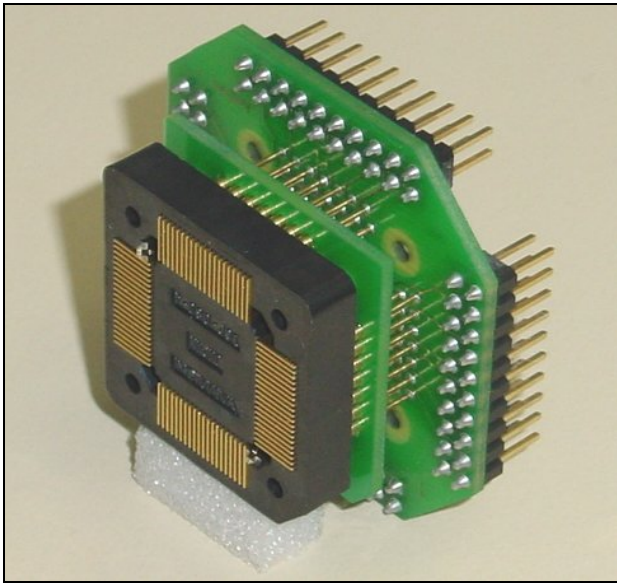
#### ► Available Adapter Parts (by ordering code):

- **IA80YAM-SOLDER**



Solder part, which is being soldered to the target.

- **IA80YAM-FIXED**



The IA80YAM-FIXED represents fixed inflexible connection between the POD and the target.

- **IA80YAMEXT**

The IA80YAMEXT is a 10 mm extension that can be used to extend the adapter. When used, it is connected on top of the IA80YAM-SOLDER.

## Fixed adapter

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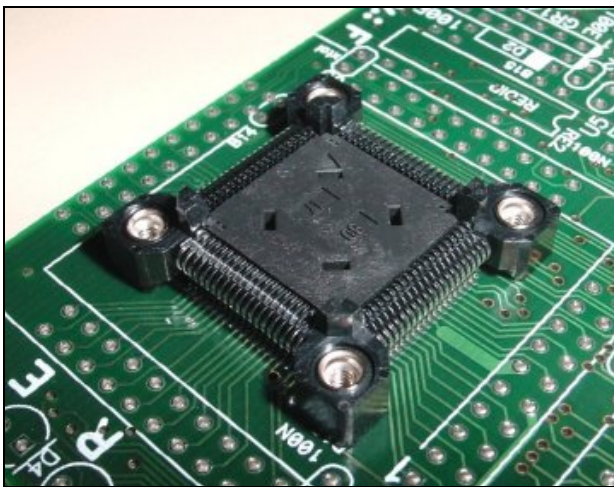
The IA80YAM-FIXED and the IA80YAM-SOLDER are essential parts required to adapt the POD to the target QFP80 package. First, the IA80YAM-SOLDER (part 2) is soldered to the target and then the POD is connected via the IA80YAM-FIXED.

### ► Assembly

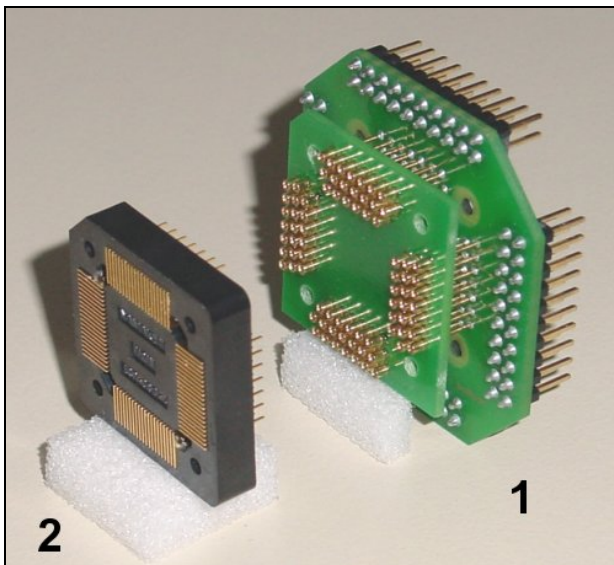
Pay attention to pin 1 while assembling the adapter and connecting the POD to the target. Improper use of the adapter or even incorrect adapter used with your particular POD can damage the emulation system and the target.

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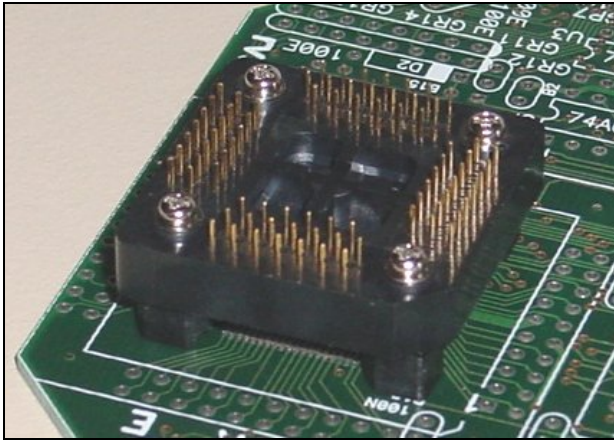
**Phase 1:** Solder the IA80YAM-SOLDER (part 2) to the target PCB.



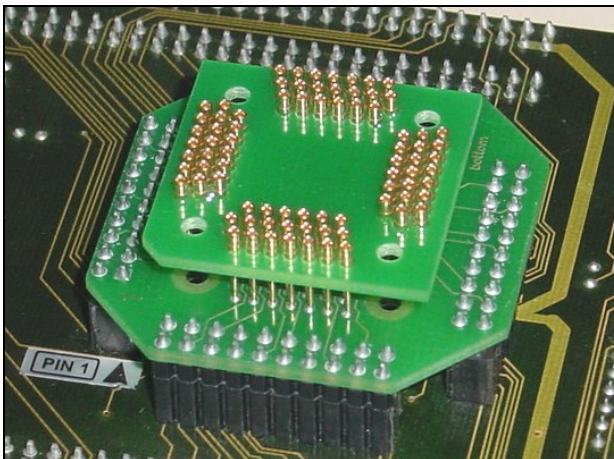
**Phase 2:** Disassemble the IA80YAM-FIXED.



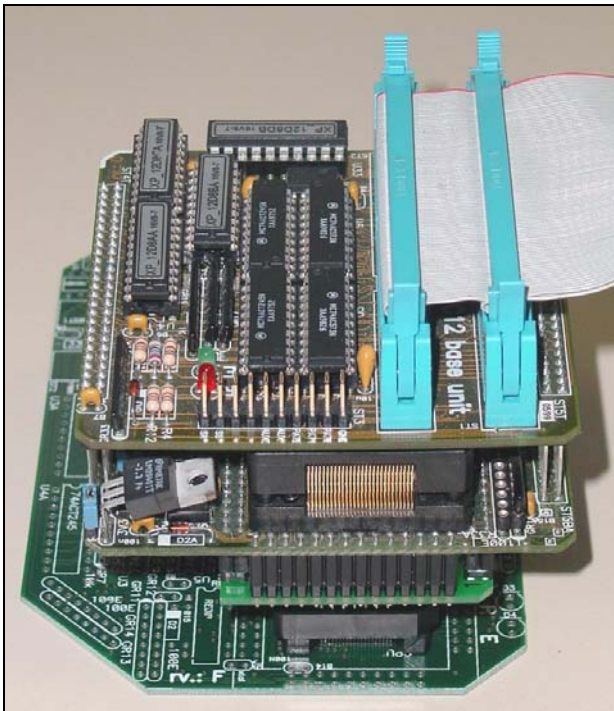
**Phase 3:** Place the IA80YAM-FIXED (part 2) on top of the soldered IA80YAM-SOLDER (part 2) and screw them together with four long (12 mm) screws. Now, if optionally the IA80YAMEXT is used, it must be placed on top. In this particular case, it is not being used.



**Phase 4:** Connect the IA80YAM-FIXED (part 1) to the POD.



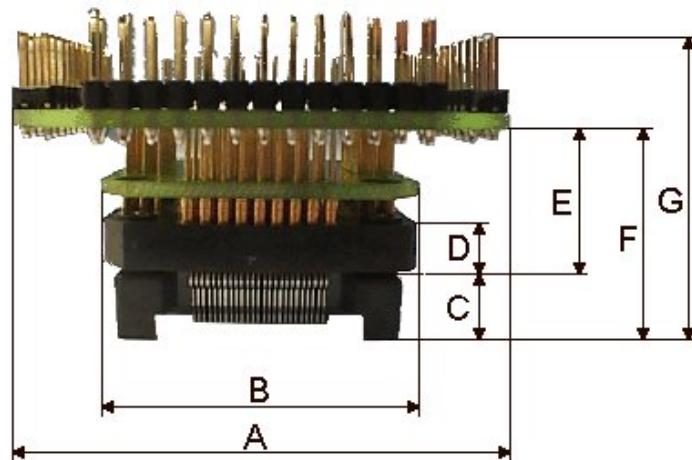
**Phase 5:** Connect the POD to the target via IA80YAM-FIXED.



Note that some precaution must be taken to the POD adaptation after the POD is connected to the target. Otherwise, the part soldered to the target may break off.

### ► Dimensions

(Unit : mm)	A	B	C	D	E	F	G
<b>Fixed Adapter – QFP80</b>	45 x 45	30.5 x 30.5	5	6	15	20	30



## Inserting the CPU to the target

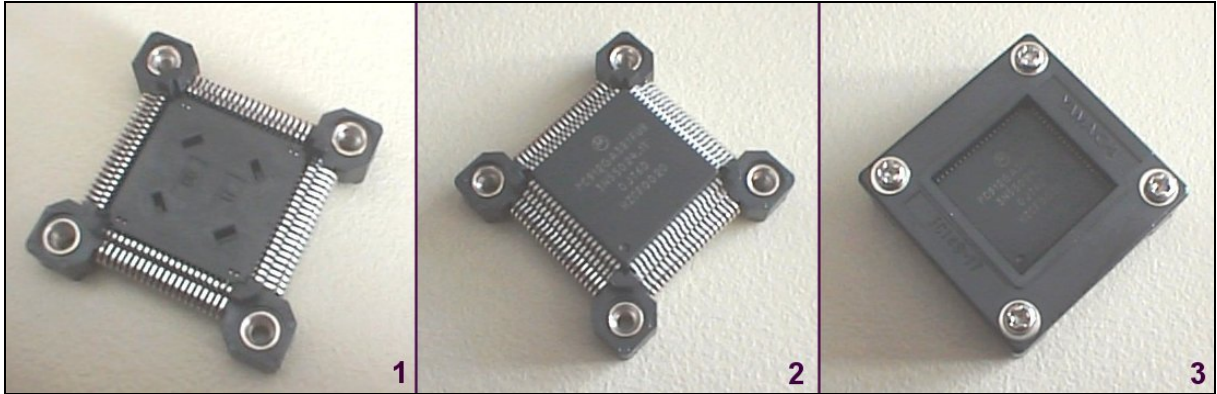
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Using the IA80YAM-SOLDER, the CPU can be connected to the target, which is very suitable for an ultimate test.

**Phase 1:** Solder part 2 of the IA80YAM-SOLDER to the target

**Phase 2:** Insert the CPU

**Phase 3:** Place over part 1 of IA80YAM-SOLDER and screw it down.



*IA80YAM-SOLDER used to insert the CPU directly to the target*

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