

Adapters

IA100EMPOD

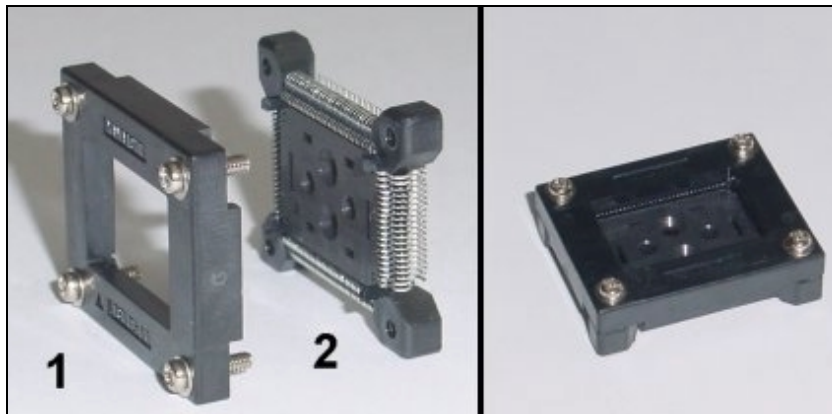
Target CPU package: QFP100
Body size: 14 mm x 20 mm
Pitch: 0.65 mm
POD target layout: T_QFP100

Can be used with:

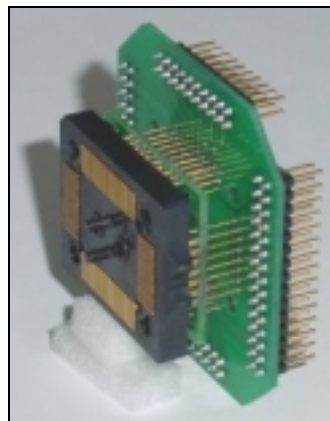
- AM186EM POD
- SDA55xx ActivePOD

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.

The IA100EMPOD adapter consists of two (Yamaichi) parts. In this document, they are named IA100YAM-SOLDER and IA100EMPOD-FIXED. Note that these two names are not the ordering codes and are used only to simplify the assembly instructions.



IA100YAM-SOLDER

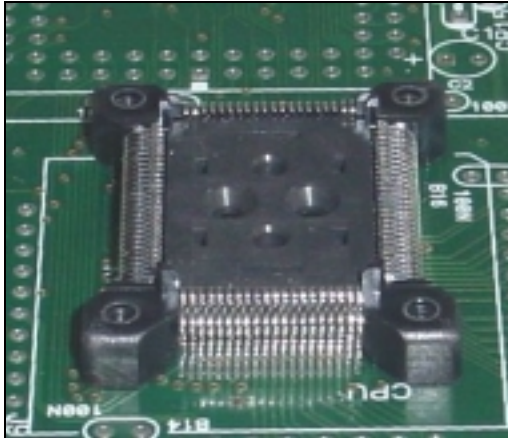


IA100EMPOD-FIXED

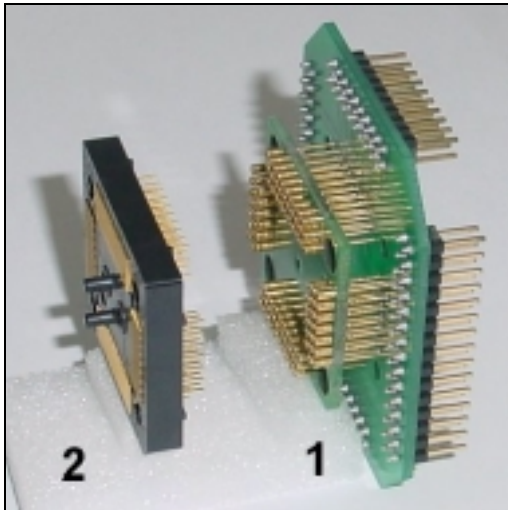
► Assembly

While assembling the adapter and connecting the POD to the target, pay attention to pin 1 to prevent any damages of the hardware, which may result from incorrect assembly.

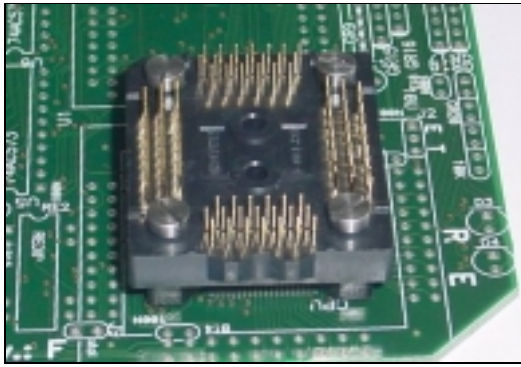
Phase 1: Solder the IA100YAM-SOLDER (part 2) to the target PCB.



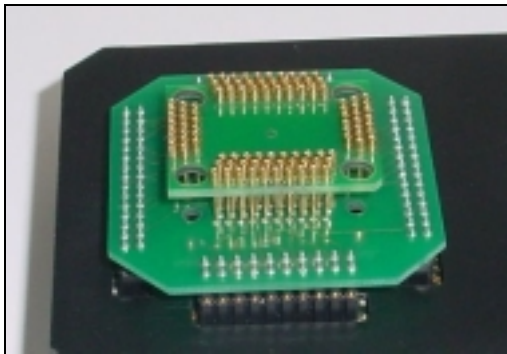
Phase 2: Disassemble the IA100EMPOD-FIXED.



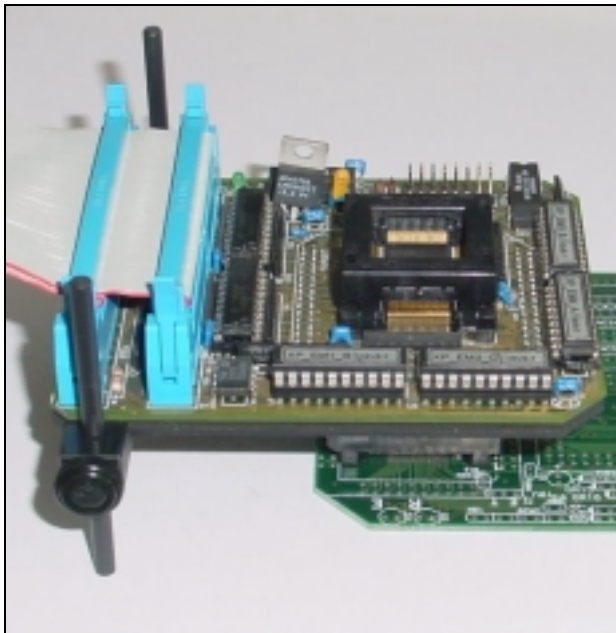
Phase 3: Place the IA100EMPOD-FIXED (part 2) on top of the soldered IA100YAM-SOLDER (part 2) and screw them together with four long (13 mm) screws.



Phase 4: Connect the IA100EMPOD-FIXED (part 1) to the POD.



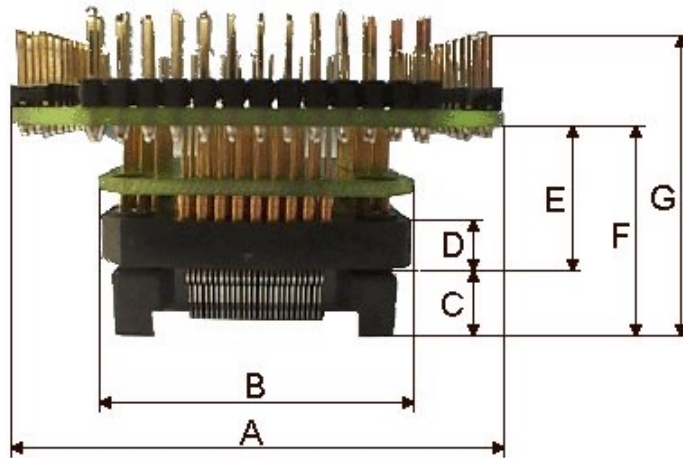
Phase 5: Connect the POD to the target via IA100EMPOD-FIXED.
It is recommended to use plastic posts (if shipped with the POD), to establish adequate mechanical stability.



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
IA100EMPOD	53 x 51	28.8 x 34.3	5	5.5	15.5	20.5	30.5



Inserting the CPU to the target

Using the IA100YAM-SOLDER, the CPU can be connected to the target. It's very suitable for the final tests.

Phase 1: Solder part 2 of the IA100YAM-SOLDER to the target.

Phase 2: Insert the CPU.

Phase 3: Place over part 1 of the IA100YAM-SOLDER and screw it down with four short (8 mm) screws.

