

PAXXQS-OT Data Sheet

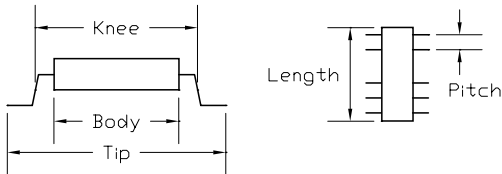
20-24 pin QSOP socket/20-24 pin DIP 0.6" plug

Supported Device/Footprints

Using this adapter QSOP packaged devices can be programmed on programmers with DIP sockets in the device's DIP footprint.

Cypress Semiconductor offers programmable logic device in the 20 and 24 pin QSOP packages. Some of the devices are 16L8, 16R4, 16R6, 16R8, 16V8 and 22V10.

This adapter accepts packages with the dimensions listed below:

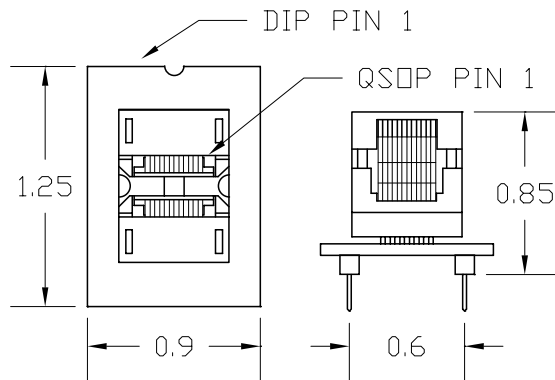


Body	Knee	Tip	Pitch	Length
3.9 mm (0.154") typical	4.7 mm (0.185") typical	6.0 mm (0.236") typical	0.025"	8.65 mm (0.341") typical

Some of the package codes that fit this adapter are:

Manufacturer	20QSOP	24QSOP
JEDEC	MO-137AD	MO-137AE
Cypress Semi.	Q5	Q13
Quality Semi.	PSS-20A	PSS-24A
Pericom	Q20	Q24

Adapter Dimensions



The PA24QS-OT is shown

Adapter Construction

The adapter is made up of 2 sub-assemblies. They assemble via connectors making the adapter modular. This way the sub-assemblies can be replaced when they wear out.

When disassembling the adapter take care not to bend the pins. When reassembling the adapter note the pin 1 indicators to align the parts correctly.

Test Socket

Wells Part #: 656-4242011 or 656-4242211
LSC Part #: 20QSH-W or 24QSH-W

The 24 pin socket is depopulated to 20 pins to fit smaller devices. The part numbers are listed in the following chart.

Circuit Board

This is a **24QS-OT** board that is depopulated for the 20 pin adapter. The various part numbers for this board are listed in the following chart.

Adapter Parts & Part Numbers

The following chart shows the various socket and board part numbers that make up these adapters.

Adapter	Socket	Board
PA20QS-OT	20QSH-W	24QS-OT-20
PA24QS-OT	24QSH-W	24QS-OT

Adapter Wiring

The adapter is wired 1-1. Pin 1 of the QSOP device connects to pin 1 of the DIP plug, pin 2 to pin 2, and so on around the adapter.