

PA8742-QD Data Sheet

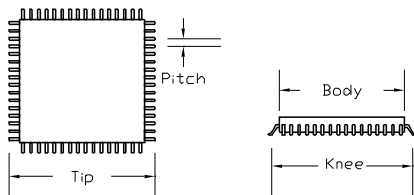
44 Pin QFP socket/40 Pin DIP 0.6" plug

Supported Device/Footprints

This adapter allows programming of the 8742 QFP device in its DIP footprint.

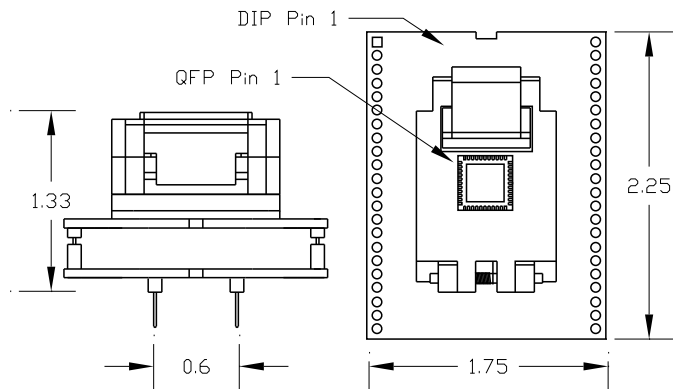
| Mfgr | Device | | Footprint | |
|-------|--------|---------|-----------|------------|
| | Device | Package | Device | Plug |
| Intel | 8742 | QFP | 8742 | 40 Pin DIP |

The QFP socket accepts packages with the dimensions listed below:



| Body | Knee | Tip | Pitch |
|-----------------|---------------------------------|-------------------------------|--------|
| 10.0 mm typical | 11.0 mm typical 11.6 maximum | 12 mm typical 13.2 maximum | 0.8 mm |

Adapter Dimensions



Note: The signal positions on the QFP device are rotated 180° from their respective DIP positions. To use this adapter insert the QFP device in the socket with pin 1 in the lower right-hand corner (see picture above).

Adapter Construction

The adapter is made up of 3 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

QFP test socket:

Enplas Part #: FPQ-44-0.8-06T

LSC #: 44QF-06T

44QFP-6T

Accepts the test socket and connects to the bottom board.

8742-QD

Performs the wiring shown in the Adapter Wiring section.

Adapter Wiring

The following chart shows the connections from the QFP device to the adapter's DIP plug.

| DEVICE | PLUG | PLUG | DEVICE |
|--------|------|------|--------|
| 1 | 26 | NC | 44 |
| 2 | 27 | 25 | 43 |
| 3 | 28 | 24 | 42 |
| 4 | 29 | 23 | 41 |
| 5 | 30 | 22 | 40 |
| 6 | 31 | 21 | 39 |
| 7 | 32 | 20 | 38 |
| 8 | NC | 19 | 37 |
| 9 | 33 | 18 | 36 |
| 10 | 34 | 17 | 35 |
| 11 | 35 | 16 | 34 |
| 12 | NC | 15 | 33 |
| 13 | 36 | 14 | 32 |
| 14 | 37 | 13 | 31 |
| 15 | 38 | 12 | 30 |
| 16 | 39 | 11 | 29 |
| 17 | 40 | 10 | 28 |
| 18 | 1 | 9 | 27 |
| 19 | 2 | 8 | 26 |
| 20 | 3 | 7 | 25 |
| 21 | NC | 6 | 24 |
| 22 | 4 | 5 | 23 |