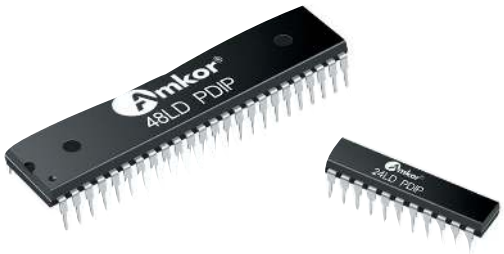
Data Sheet

PDIP



Plastic Dual In-line Package (PDIP)

PDIP has a proven track record and is a common choice for assembly of logic, memory, microcontrollers and other devices for use in a wide range of applications. The straight leads with 100 mil pitch allow for easy board mounting (through-hole wave soldering) or socket insertion.

Features

- Standard JEDEC package outlines
- Multi-die production capability
- Turnkey test services, including strip test options
- Green materials are standard – Pb-free and RoHS compliant

Services and Support

Amkor has a broad base of resources available to help customers bring quality new products to market quickly and at the lowest possible cost.

- Full package characterization
- Thermal, mechanical stress and electrical performance modeling
- Turnkey assembly, test and drop ship
- World class reliability testing and failure analysis

Reliability Qualification

Amkor package qualification uses three independent production lots and a minimum of 77 units per test group.

- Moisture Sensitivity Characterization — JEDEC Level 1, 85°C/85% RH, 168 hours
- uHAST — 130°C/85% RH, No bias, 96 hours
- Temp Cycle — -65°C/+150°C, 500 cycles
- High Temp Storage — 150°C, 1000 hours

Process Highlights

- Wafer backgrinding services available
- Multiple die and die stacking capability
- Matte Sn lead finish is standard
- Laser mark on package body
- Pcc wire bonding standard, Ag wire available

Test Services

- Program generation/conversion
- Wafer probe
- Burn-in capabilities
- -55°C to +165°C test available
- Strip test available

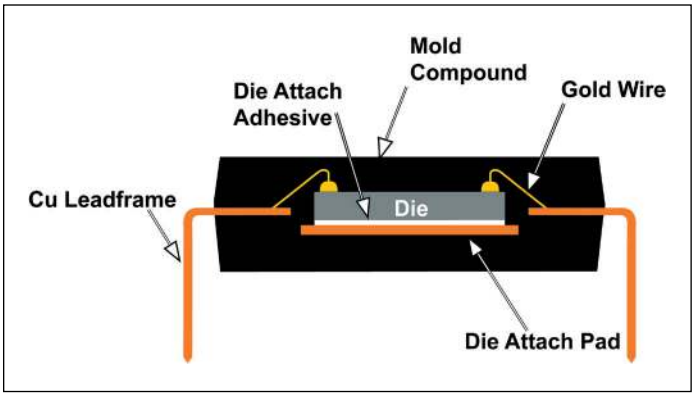
Shipping Options

- Clear anti-static tube, 20 inch
- Drop ship

Visit Amkor Technology online for locations and to view the most current product information.

PDIP

Cross-section PDIP



Configuration Options

PDIP Nominal Package Dimensions (mils)

Lead Count	Shoulder Width	Body Width	Body Length	Body Thickness	Standoff	Lead Pitch	JEDEC
8	300	252	365	130	15	100	MS-001
14	300	252	750	130	15	100	MS-001
16	300	252	750	130	15	100	MS-001
18	300	252	900	130	15	100	MS-001
20	300	252	1030	130	15	100	MS-001
24	300	252	1250	130	15	100	MS-001
24	600	540	1250	150	15	100	MS-011
28	600	540	1450	150	15	100	MS-011
40	600	540	2060	150	15	100	MS-011

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Rev Date: 3/15