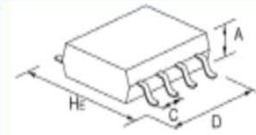


Package



| Package Type | Pin Count | Package Name | Package Size(mm) | | | Pin Pitch(mm) |
|----------------|-----------|----------------|------------------|------|-------|---------------|
| | | | He | D | A | C |
| Flat Lead Type | 6 | SON-6C | 2.00 | 1.60 | 0.550 | 0.500 |
| | 6 | SON-6F | 1.80 | 1.60 | 0.550 | 0.500 |
| Non-Lead Type | 4 | PLP-4-1228 | 2.85 | 1.25 | 0.600 | - |
| | 4 | PLP-4E | 2.85 | 1.25 | 0.500 | - |
| | 6 | PLP-6G | 4.10 | 2.10 | 0.500 | - |
| | 6 | PLP-6J | 2.00 | 1.40 | 0.480 | - |
| | 12 | PLP-12A | 4.00 | 2.90 | 0.600 | 0.400 |
| | 6 | SSON-6J | 1.40 | 1.40 | 0.550 | 0.500 |
| | 6 | SSON-6M | 1.40 | 1.40 | 0.550 | 0.500 |
| | 6 | SSON-6N | 3.60 | 1.80 | 0.650 | - |
| | 6 | SSON-6U | 1.80 | 1.40 | 0.400 | 0.500 |
| | 6 | SSON-6V | 1.80 | 1.40 | 0.400 | 0.500 |
| | 6 | WLCSP-6D/6E/6F | 0.83 | 1.26 | 0.360 | 0.400 |
| | 8 | WLCSP-8C/8D/8G | 0.92 | 1.51 | 0.360 | 0.400 |
| | 15 | WLCSP-15A | 1.46 | 2.61 | 0.625 | 0.500 |
| Gullwing Type | 20 | VSOP-20A | 6.00 | 8.66 | 1.500 | 0.635 |

Package

| Package Name | Dimensional Drawing(mm) | Recommended Land Pattern(mm) |
|--------------|---|---|
| SON-6C | <p>Top view: 1.6±0.05, 6, 4, 1, 3, 0.5, (0.3)</p> <p>Side view: 0.13±0.05, 1.6±0.05, 2.0±0.1</p> <p>Bottom view: 0.55±0.05, 0.22±0.05, 0.1, 0.5</p> | <p>Land pattern dimensions: 0.30, 0.20, 0.70, 1.36, 2.06, 2.76, 0.5</p> |
| SON-6F | <p>Top view: 1.6±0.05, 6, 4, 1, 3, 0.5, (0.3)</p> <p>Side view: 0.13±0.05, 1.6±0.05, 1.8±0.1</p> <p>Bottom view: 0.55±0.05, 0.22±0.05, 0.1, 0.5</p> | <p>Land pattern dimensions: 0.30, 0.20, 0.52, 1.36, 1.88, 0.5</p> |

Package

| Package Name | Dimensional Drawing(mm) | Recommended Land Pattern(mm) |
|--------------|-------------------------|------------------------------|
| PLP-4-1228 | | |
| PLP-4E | | |

Package

| Package Name | Dimensional Drawing(mm) | Recommended Land Pattern(mm) |
|--------------|-------------------------|------------------------------|
| PLP-6G | | |
| PLP-6J | | |

Package

| Package Name | Dimensional Drawing(mm) | Recommended Land Pattern(mm) |
|----------------|-------------------------|------------------------------|
| <p>PLP-12A</p> | | |
| <p>SSON-6J</p> | | |

Package

| Package Name | Dimensional Drawing(mm) | Recommended Land Pattern(mm) |
|--------------|-------------------------|------------------------------|
| SSON-6U | | |
| SSON-6V | | |

Package

| Package Name | Dimensional Drawing(mm) | Recommended Land Pattern(mm) |
|---|-------------------------|------------------------------|
| <p>WLCSP-6D WLCSP-6E WLCSP-6F</p> | | |
| <p>WLCSP-8C WLCSP-8D WLCSP-8G</p> | | |

Package

| Package Name | Dimensional Drawing(mm) | Recommended Land Pattern(mm) |
|--------------|--|--|
| WLCSP-15A | <p>Top view: 2.61±0.03, 1.46±0.03, pins 1-7, 0.335±0.02, 0.625 MAX.</p> <p>Side view: 0.24±0.03, 0.335±0.02, 0.625 MAX, 0.05 CZ.</p> | <p>Land pattern: 3x5 grid, pad diameter 0.3, pitch 0.5.</p> |
| VSOP-20A | <p>Top view: 8.66±0.3, 3.91±0.3, pins 1-10, 0.635, 0.22±0.05.</p> <p>Side view: 1.5 MAX, 0.1, 0.25±0.1, 0.15+0.15-0.10, 1.63±0.3.</p> <p>Cross-section: 0.64+0.7-0.3, 6.0±0.3.</p> | <p>Land pattern: 2x10 grid, pad length 1.50, pitch 0.635, offset 0.33.</p> |