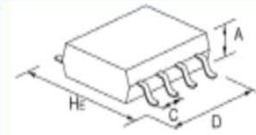


Package



| 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 dimensions: 1.6±0.05, 0.13±0.05, 1.6±0.05, 2.0±0.1, 0.55±0.05, 0.22±0.05, 0.1, 0.5, (0.3), 6, 4, 1, 3.</p> <p>Side view dimensions: 0.13±0.05, 2.0±0.1.</p> <p>Bottom view dimensions: 0.55±0.05, 0.22±0.05, 0.1, 0.5, (0.3).</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 dimensions: 1.6±0.05, 0.13±0.05, 1.6±0.05, 1.8±0.1, 0.55±0.05, 0.22±0.05, 0.1, 0.5, (0.3), 6, 4, 1, 3.</p> <p>Side view dimensions: 0.13±0.05, 1.8±0.1.</p> <p>Bottom view dimensions: 0.55±0.05, 0.22±0.05, 0.1, 0.5, (0.3).</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 | <p>2.85</p> <p>1.25 ± 0.05</p> <p>0.60 Max</p> <p>0.05</p> | <p>0.475</p> <p>0.65</p> <p>1.80</p> <p>0.25</p> <p>3.30</p> <p>1.15</p> <p>0.50</p> <p>0.30</p> <p>0.20</p> |
| PLP-4E | <p>1.25 ± 0.05</p> <p>2.85 ± 0.05</p> <p>0.50 MAX</p> <p>0.05</p> | <p>0.475</p> <p>0.65</p> <p>1.80</p> <p>0.25</p> <p>3.30</p> <p>1.15</p> <p>0.50</p> <p>0.30</p> <p>0.20</p> |

Package

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

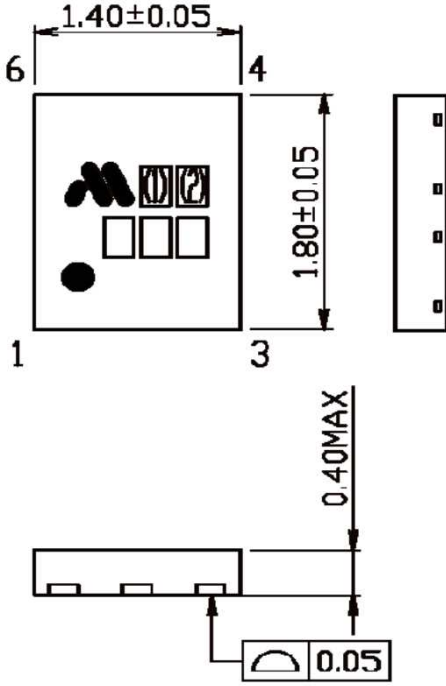
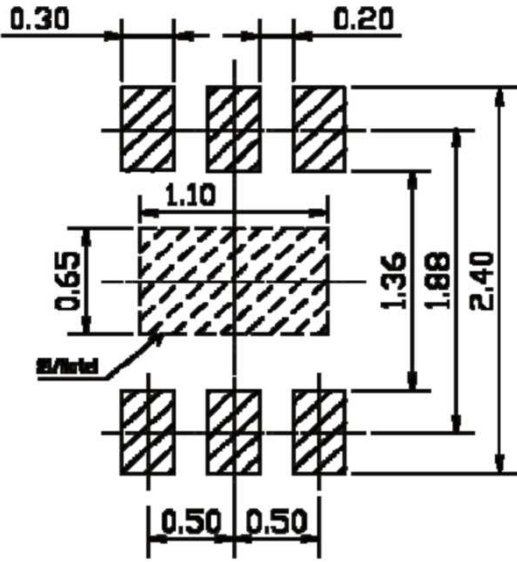
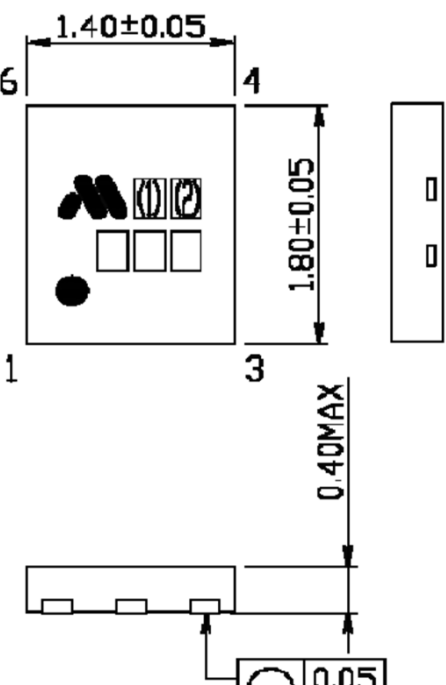
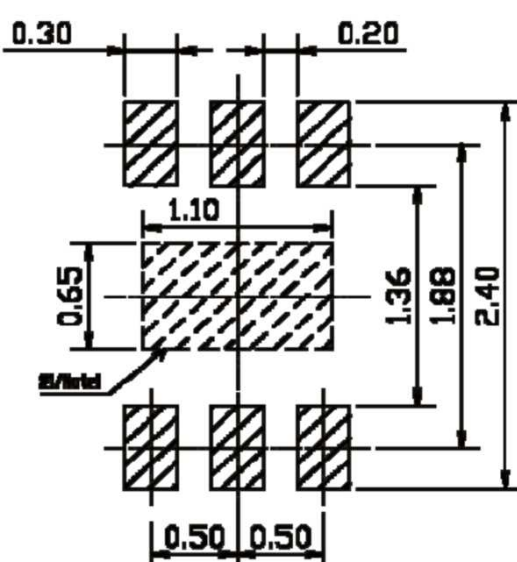
Package

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

Package

| Package Name | Dimensional Drawing(mm) | Recommended Land Pattern(mm) |
|--------------|---|---|
| SSON-6M | <p>Top view dimensions: 1.4±0.05 (width), 1.4±0.05 (height). Pin positions 1, 2, 3, 4, 5, 6 are marked. A circular feature is located near pin 1.</p> <p>Side view dimensions: 0.02±0.02 (height), 0.55±0.05 (height). A 0.05 S surface finish symbol is shown.</p> | <p>Land pattern dimensions: 0.5 (pitch), 0.5 (pitch), 0.15 (height), 0.55 (width), 0.8 (width), 1.15 (width), 1.70 (width), 0.2 (width).</p> |
| SSON-6N | <p>Top view dimensions: 1.80±0.05 (width), 3.60±0.05 (height). Pin positions 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 are marked. A circular feature is located near pin 1.</p> <p>Side view dimensions: 0.65±0.05 (height). A 0.05 S surface finish symbol is shown.</p> | <p>Land pattern dimensions: 1.55 (width), 0.35 (width), 0.30 (width), 0.50 (width), 0.30 (width), 0.30 (width), 1.50 (width), 1.70 (width), 0.30 (width), 0.40 (width), 0.30 (width), 4.00 (width), 0.50 (width), 0.40 (width), 0.30 (width), 0.675 (width), 0.675 (width), 0.30 (width), 0.35 (width), 0.30 (width), 1.70 (width), 0.30 (width).</p> |

Package

| Package Name | Dimensional Drawing(mm) | Recommended Land Pattern(mm) |
|--------------|--|---|
| SSON-6U |  <p>Dimensional drawing of the SSON-6U package. The main body is a rectangle with a width of 1.40 ± 0.05 mm and a height of 1.80 ± 0.05 mm. The top edge is labeled with pins 6, 4, and 3 from left to right. The bottom edge is labeled with pins 1 and 3 from left to right. The drawing shows a top view with a logo, a circular feature, and three rectangular features. A side view shows a height of 0.40 MAX and a width of 0.05 mm.</p> |  <p>Recommended land pattern for the SSON-6U package. The pattern shows three pins with a pitch of 0.30 mm and a pin width of 0.20 mm. The central pad has a width of 1.10 mm and a height of 0.65 mm. The total height of the pad area is 1.36 mm. The distance between the center of the pad and the center of the pins is 1.88 mm. The total width of the pad area is 2.40 mm. The distance between the center of the pad and the center of the pins is 0.50 mm.</p> |
| SSON-6V |  <p>Dimensional drawing of the SSON-6V package. The main body is a rectangle with a width of 1.40 ± 0.05 mm and a height of 1.80 ± 0.05 mm. The top edge is labeled with pins 6, 4, and 3 from left to right. The bottom edge is labeled with pins 1 and 3 from left to right. The drawing shows a top view with a logo, a circular feature, and three rectangular features. A side view shows a height of 0.40 MAX and a width of 0.05 mm.</p> |  <p>Recommended land pattern for the SSON-6V package. The pattern shows three pins with a pitch of 0.30 mm and a pin width of 0.20 mm. The central pad has a width of 1.10 mm and a height of 0.65 mm. The total height of the pad area is 1.36 mm. The distance between the center of the pad and the center of the pins is 1.88 mm. The total width of the pad area is 2.40 mm. The distance between the center of the pad and the center of the pins is 0.50 mm.</p> |

Package

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

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>Cross-section: 0.24±0.03, 0.335±0.02, 0.625 MAX.</p> | <p>Grid of 15 circular pads (3 rows by 5 columns). Pad diameter: 0.3 mm Pad-to-pad pitch: 0.5 mm (both horizontal and vertical)</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: 1.5MAX, 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>Grid of 20 rectangular pads (2 rows by 10 columns). Row height: 1.50 mm Column width: 0.635 mm Column-to-column pitch: 0.33 mm Total row height: 5.40 mm</p> |