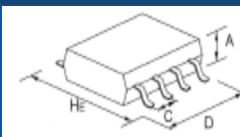
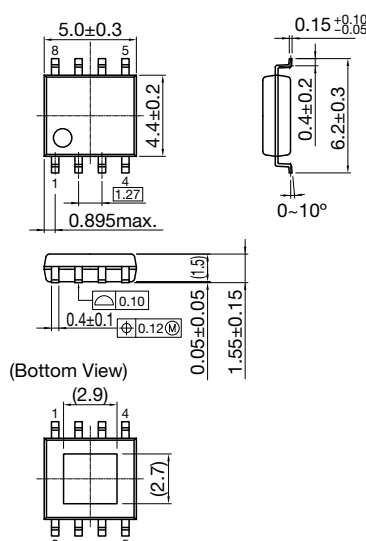
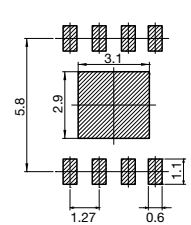
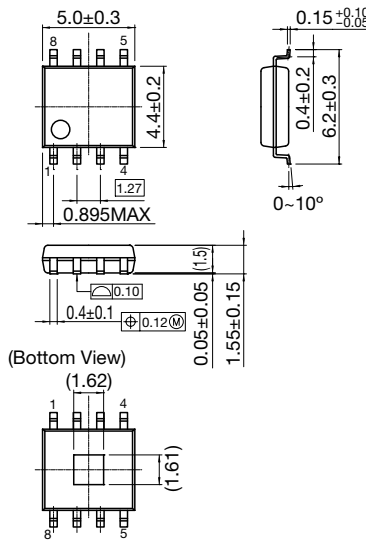
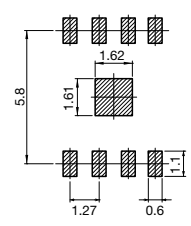


パッケージ一覧表



パッケージタイプ	ピン数	パッケージ名	パッケージサイズ (mm)			ピンピッチ (mm)	
			He	D	A	C	
リードタイプ	3	TO-92A	5.40	3.80	7.50	2.50	
フラットリードタイプ	6	SON-6A	3.00	1.60	0.80	0.50	
	6	SON-6B	3.00	1.60	0.80	0.50	
	6	SON-6C	2.00	1.60	0.55	0.50	
	6	SON-6D	3.00	2.90	0.80	0.95	
	5	SOT89-5A	4.25	4.50	1.50	1.50	
ガルウイングタイプ	4	SC-82ABA	2.10	2.00	0.95	1.30	
	4	SC-82ABB	2.10	2.00	0.90	1.30	
	6	SC-88A	2.10	2.00	0.90	0.65	
	3	SOT-23A	2.80	2.90	1.15	1.90	
	5	SOT-25A	2.80	2.90	1.15	0.95	
	6	SOT-26A	2.80	2.90	1.15	0.95	
	6	SOT-26B	2.80	2.90	1.15	0.95	
	7	SOP-7B	6.20	5.00	1.55	1.27	
	8	SOP-8C	6.20	5.20	1.55	1.27	
	8	SOP-8D	6.20	5.00	1.55	1.27	
	10	SOP-10A	6.20	5.00	1.55	1.00	
	16	SOP-16B	6.20	10.20	1.55	1.27	
	28	SOP-28B	9.90	17.60	1.85	1.27	
	8	SSOP-8A	3.10	2.00	0.75	0.50	
	24	SSOP-24B	7.80	10.20	1.90	0.80	
	34	SSOP-34A	9.90	17.60	1.85	1.00	
	36	SSOP-36A	7.80	15.00	1.90	0.80	
	42	SSOP-42A	9.90	17.60	1.85	0.80	
	16	TSOP-16A	6.40	5.00	1.10	0.65	
	16	TSOP-16B	6.40	5.00	1.10	0.65	
	16	TSOP-16D	6.40	5.00	1.10	0.65	
	20	TSOP-20A	6.40	6.50	1.10	0.65	
	20	TSOP-20B	6.40	6.50	1.10	0.65	
	20	TSOP-20D	6.40	6.50	1.10	0.65	
	20	TSOP-20E	6.40	6.50	1.10	0.65	
	20	TSOP-20F	6.40	6.50	1.20	0.65	
	8	VSOP-8B	4.00	2.90	1.30	0.65	
	8	VSOP-8C	4.00	2.95	1.30	0.65	
	8	VSOP-8D	4.00	2.80	1.30	0.65	
	8	HSOP-8A	6.20	5.00	1.55	1.27	
	8	HSOP-8C	6.20	5.00	1.55	1.27	
	28	HSOP-28A	9.90	18.60	2.30	0.80	
	28	HSOP-28C	9.90	17.60	1.90	0.80	
	36	HSOP-36A	9.90	17.60	1.90	0.80	
	64	QFP-64E	16.00	16.00	1.20	0.80	
	80	QFP-80D	17.20	23.20	3.22	0.80	
	100	QFP-100A	17.20	23.20	3.22	0.65	
	3	TO-252C	9.90	6.60	2.30	2.30	
	5	TO-252-5A	9.90	6.60	2.30	1.27	
	ノンリードタイプ	4	PLP-4A	1.00	1.00	0.60	0.65
4		PLP-4B	1.60	1.20	0.60	0.60	
6		PLP-6A	2.00	1.80	0.60	0.50	
10		PLP-10A	2.50	2.70	0.60	0.50	
16		SQFN-16A	3.00	3.00	0.75	0.50	
32		SQFN-32A	5.00	5.00	0.75	0.50	
4		SSON-4B	1.40	1.10	0.55	0.50	
6		SSON-6A	2.00	1.80	0.75	0.50	
6		SSON-6E	1.60	1.80	0.55	0.50	
6		SSON-6J	1.40	1.40	0.55	0.50	
6		SSON-6L	2.00	2.00	0.75	0.65	
8		SSON-8B	2.30	2.30	0.75	0.5	
8		SSON-8C	3.00	3.00	0.55	0.65	
10		SSON-10A	2.50	2.70	0.60	0.50	
20		WLCSP-20A	1.936	1.936	0.345	0.40	
25		WLCSP-25A	1.936	1.936	0.345	0.40	
48		WLCSP-48A	3.47	3.47	0.40	0.50	

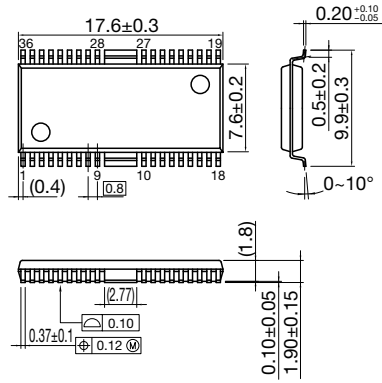
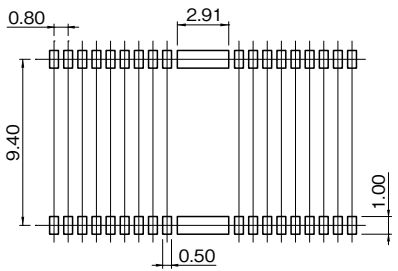
パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>HSOP-8A</p>	 <p>5.0±0.3</p> <p>4.4±0.2</p> <p>0.895max.</p> <p>0.15^{+0.10}/_{-0.05}</p> <p>0.4±0.2</p> <p>6.2±0.3</p> <p>0~10°</p> <p>0.05±0.05 (1.5)</p> <p>1.55±0.15</p> <p>0.4±0.1</p> <p>0.10</p> <p>0.12</p> <p>(Bottom View)</p> <p>(2.9)</p> <p>(2.7)</p>	 <p>5.8</p> <p>3.1</p> <p>2.9</p> <p>1.27</p> <p>0.6</p>
<p>HSOP-8C</p>	 <p>5.0±0.3</p> <p>4.4±0.2</p> <p>0.895MAX</p> <p>0.15^{+0.10}/_{-0.05}</p> <p>0.4±0.2</p> <p>6.2±0.3</p> <p>0~10°</p> <p>0.05±0.05 (1.5)</p> <p>1.55±0.15</p> <p>0.4±0.1</p> <p>0.10</p> <p>0.12</p> <p>(Bottom View)</p> <p>(1.62)</p> <p>(1.61)</p>	 <p>5.8</p> <p>1.62</p> <p>1.61</p> <p>1.27</p> <p>0.6</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>HSOP-28A</p>	<p>Top view dimensions: 18.6±0.3, 28, 22, 21, 15, 1.6max., 0.8, 8, 14.</p> <p>Side view dimensions: 7.5±0.2, 0.15^{+0.10}/_{-0.05}, 0.5±0.2, 9.9±0.3, 0~10°.</p> <p>Detail view dimensions: (2.2), 0.1±0.05, 2.3±0.15, (5.15), 0.10, 0.35±0.05, φ0.12.</p>	<p>Land pattern dimensions: 0.5, 0.8, 5.15, 1.2, 9.1, 3.2.</p>
<p>HSOP-28C</p>	<p>Top view dimensions: 17.6±0.3, 28, 22, 21, 15, 1.1max., 0.8, 8, 14.</p> <p>Side view dimensions: 7.6±0.2, 0.20^{+0.10}/_{-0.05}, 0.5±0.2, 9.9±0.3, 0~10°.</p> <p>Detail view dimensions: (1.8), 0.10±0.05, 1.90±0.15, (5.15), 0.10, 0.35±0.10, φ0.12.</p>	<p>Land pattern dimensions: 0.5, 0.8, 5.15, 1.2, 9.1, 3.2.</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>HSOP-36A</p>	 <p>Top view dimensions: 17.6±0.3, 7.6±0.2, 0.4, 0.8, 1, 9, 10, 18, 27, 28, 36.</p> <p>Side view dimensions: 0.20^{+0.10}/_{-0.05}, 0.5±0.2, 9.9±0.3, 0-10°.</p> <p>Detail view dimensions: 1.8, 0.10±0.05, 1.90±0.15, 0.37±0.1, 0.10, 0.12, 2.77.</p>	 <p>Land pattern dimensions: 0.80, 2.91, 9.40, 1.00, 0.50.</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>PLP-4A</p>	<p>Technical drawing of PLP-4A package showing top, side, and bottom views with dimensions:</p> <ul style="list-style-type: none"> Top View: 1.00±0.05 (width), 1.00±0.05 (height), pins 1, 2, 3, 4. Side View: 0.07MAX (height), 0.60MAX (height), 0.05 (lead height). Bottom View: 0.25±0.05 (width), 0.32±0.05 (width), 0.07±0.05 (width), 0.48±0.05 (width), 0.48±0.05 (width), 0.25±0.05 (width), 0.65 (width), 0.18 (width), 0.25±0.05 (width), 45° (angle), 0.05 (lead width). 	<p>Recommended land pattern diagram for PLP-4A package with dimensions:</p> <ul style="list-style-type: none"> 0.44 (width), 0.25 (width), 0.18 (width), 0.25 (width), 0.55 (width), 0.65 (width), 0.57 (width), 1.46 (width).
<p>PLP-4B</p>	<p>Technical drawing of PLP-4B package showing top, side, and bottom views with dimensions:</p> <ul style="list-style-type: none"> Top View: 1.20±0.05 (width), 1.60±0.05 (height), pins 1, 2, 3, 4. Side View: (0.07) (height), 0.6MAX (height), 0.05 (lead height). Bottom View: 0.60 (width), (1.0) (width), 0.7 (width), 0.20±0.05 (width), 0.30±0.05 (width), 0.05 (lead width). 	<p>Recommended land pattern diagram for PLP-4B package with dimensions:</p> <ul style="list-style-type: none"> 0.45 (width), 0.60 (width), 0.70 (width), 1.00 (width), 2.10 (width), 0.30 (width).

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>PLP-6A</p>	<p>1.80±0.05 2.00±0.05 0.6max. 0.30±0.05 (0.1) (1.0) (1.6) 0.25±0.05 0.20±0.05 0.05 0.05 0.05</p>	<p>0.50 1.60 1.00 1.95 2.40 0.45 0.35 0.25</p>
<p>PLP-10A</p>	<p>2.70±0.05 2.50±0.05 0.6max. 0.30±0.05 0.10±0.05 0.25±0.05 (2.30) 1.50 0.20±0.05 0.05 0.05 0.05 Ø0.50</p>	<p>0.50 2.30 1.50 2.40 2.90 0.35 0.25</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>QFP-64E</p>	<p>Top view dimensions: 14.0±0.2, 16.0±0.3, 14.0±0.2, 16.0±0.3. Pin counts: 46, 33, 32, 17, 16, 1. Pin 1 location: 49, 64. Lead thickness: 0.15^{+0.10}/_{-0.06}. Lead height: 0.6±0.2. Lead angle: 0~10°. Lead width: 0.8. Pad diameter: 0.37^{+0.10}/_{-0.07}. Pad thickness: 0.1±0.05. Pad diameter tolerance: 1.2 max. Pad diameter tolerance: (1.0).</p>	<p>Land pattern dimensions: 14.6, 14.6, 0.8, 1.3, 0.5.</p>
<p>QFP-80D</p>	<p>Top view dimensions: 20.0±0.20, 23.2±0.30, 14.0±0.20, 17.2±0.30. Pin counts: 64, 41, 40, 25, 24, 1, 80. Pin 1 location: 65, 80. Lead thickness: 0.15^{+0.10}/_{-0.02}. Lead height: 0.8±0.20. Lead angle: 0~10°. Lead width: 0.8. Pad diameter: 0.38±0.08. Pad thickness: 0.35^{+0.15}/_{-0.10}. Pad diameter tolerance: 3.22±0.18. Pad diameter tolerance: (2.79).</p>	<p>Land pattern dimensions: 20.4, 14.4, 0.8, 1.5, 0.5.</p>

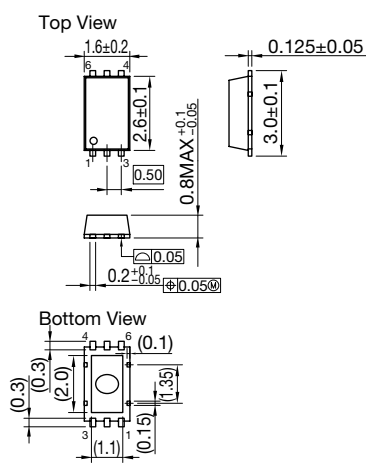
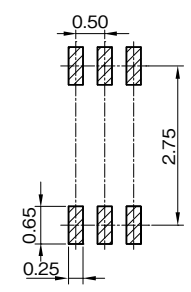
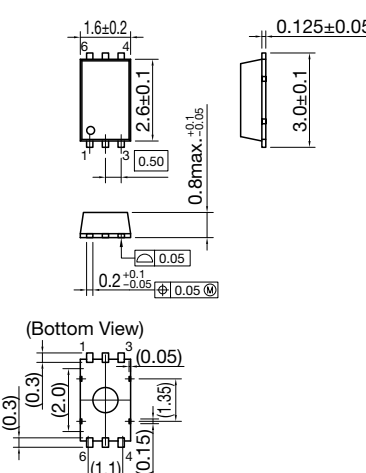
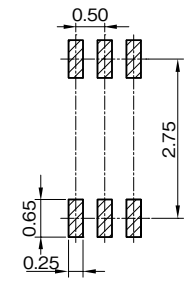
パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>QFP-100A</p>	<p>Technical drawing of the QFP-100A package. It includes a top view showing a square body with dimensions 20.0±0.2 mm and 23.2±0.3 mm. Pin counts are 100 on each side. Lead height is 0.15±0.08 mm. A side view shows a lead height of 0.8±0.20 mm and a lead angle of 0-10°. A detailed lead view shows a lead width of 0.65 mm, a lead thickness of 0.35±0.15 mm, and a lead pitch of 0.30±0.08 mm. Other dimensions include 0.10 mm, 0.13 mm, 2.79 mm, and 3.22±0.18 mm.</p>	<p>Recommended land pattern diagram for the QFP-100A package. It shows a square layout with a pin pitch of 1.5 mm. The land width is 0.65 mm. The overall dimensions of the land pattern are 20.6 mm by 14.6 mm. A lead width of 0.35 mm is also indicated.</p>
<p>SC-82ABA</p>	<p>Technical drawing of the SC-82ABA package. The top view shows a rectangular body with dimensions 2.0±0.1 mm and 1.3±0.2 mm. Pin pitch is 0.3 mm. Lead height is 0.125±0.100 mm. A side view shows a lead height of 2.1±0.3 mm and a lead thickness of 0.3 mm. A detailed lead view shows a lead width of 0.3 mm, a lead thickness of 0.05±0.05 mm, and a lead pitch of 0.4±0.10 mm. Other dimensions include 0.10 mm, 0.10 mm, 0.9 mm, and 0.95±0.15 mm.</p>	<p>Recommended land pattern diagram for the SC-82ABA package. It shows a rectangular layout with a pin pitch of 1.3 mm. The land width is 0.6 mm and the land length is 0.7 mm. The overall dimensions of the land pattern are 1.9 mm by 0.8 mm. A lead width of 0.3 mm is also indicated.</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>SC-82ABB</p>	<p>Top view dimensions: 2.0±0.1, 1.3±0.2, 0.3, 0.3, 0.3, 0.3, 1.25±0.10, 0.4, (0.15), 0.3, 1, 2, 3, 4.</p> <p>Side view dimensions: 0.125^{+0.100}/_{-0.025}, (0.3), 2.1±0.1.</p> <p>Detail view dimensions: 0.3^{+0.10}/_{-0.05}, (0.4^{+0.10}/_{-0.05}), 0.05±0.05, 0.9±0.1, 0.10, (0.85).</p>	<p>Land pattern dimensions: 1.3, 1.9, 0.3, 0.8, 0.6, 0.7.</p>
<p>SC-88A</p>	<p>Top view dimensions: 2.0±0.1, 0.65, 0.65, 6, 4, 1.25±0.1, 1, 3.</p> <p>Side view dimensions: 0.125^{+0.100}/_{-0.025}, (0.3), 2.1±0.1.</p> <p>Detail view dimensions: 0.22^{+0.10}/_{-0.05}, (0.85), 0.05±0.05, 0.9±0.1, 0.10, (0.10).</p>	<p>Land pattern dimensions: 0.65, 0.65, 1.8, 0.7, 0.35.</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
SON-6A	 <p>Top View</p> <p>Bottom View</p> <p>Dimensions: 1.6±0.2, 2.6±0.1, 0.50, 0.8MAX^{+0.1}_{-0.05}, 0.125±0.05, 3.0±0.1, 0.2^{+0.1}_{-0.05}, φ0.05, (0.3), (0.3), (2.0), (0.1), (1.1), (0.15), (1.35)</p>	 <p>Dimensions: 0.50, 2.75, 0.65, 0.25</p>
SON-6B	 <p>Top View</p> <p>(Bottom View)</p> <p>Dimensions: 1.6±0.2, 2.6±0.1, 0.50, 0.8max^{+0.1}_{-0.05}, 0.125±0.05, 3.0±0.1, 0.2^{+0.1}_{-0.05}, φ0.05, (0.3), (0.3), (2.0), (0.05), (1.1), (0.15), (1.35)</p>	 <p>Dimensions: 0.50, 2.75, 0.65, 0.25</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
SON-6C	<p>Top View: 1.6±0.05, 1.6±0.05, 0.5, (0.3), 0.13±0.05, 2.0±0.1</p> <p>Side View: 0.55±0.05, 0.22±0.05, Ø0.10</p> <p>(Bottom View): 0.2±0.1, (0.3)</p>	<p>Land Pattern: 0.30, 0.20, 0.52, 1.36, 1.88, 0.5</p>
SON-6D	<p>Top View: 0.5 typ., 2.90±0.1, 0.10±0.1, 3.00±0.1, 2.80±0.1, 0.80±0.05, 0.15±0.05</p> <p>Side View: 0.95, 0.30±0.05, Ø0.05</p> <p>(Bottom View): (0.10), 4, 6, (1.5), (1.5), 0.2±0.1, 0.2±0.1, (0.65), (0.15)</p>	<p>Land Pattern: 0.95, 0.95, 1.6, 2.3, 0.65, 0.35, 1.6, 0.3</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>SOP-7B</p>		
<p>SOP-8C</p>		

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>SOP-8D</p>	<p>Top view dimensions: 5.0 ± 0.3, 4.4 ± 0.2, 0.895max., 1.27, 0.4 ± 0.2, $0.15^{+0.10}_{-0.05}$, $0 \sim 10^\circ$, 6.2 ± 0.3.</p> <p>Bottom view dimensions: 0.4 ± 0.1, 0.10, 0.05 ± 0.05, 1.55 ± 0.15, 0.12, (1.5).</p>	<p>Land pattern dimensions: 1.27, 0.80, 5.80, 1.10.</p>
<p>SOP-10A</p>	<p>Top view dimensions: 5.0 ± 0.2, 4.4 ± 0.2, 0.8max., 1.0, $0.15^{+0.10}_{-0.05}$, $0 \sim 10^\circ$, 6.2 ± 0.3.</p> <p>Bottom view dimensions: 0.35 ± 0.10, 0.10, 0.05 ± 0.05, 1.55 ± 0.15, 0.12, (1.5).</p>	<p>Land pattern dimensions: 0.45, 5.90, 1.10.</p>

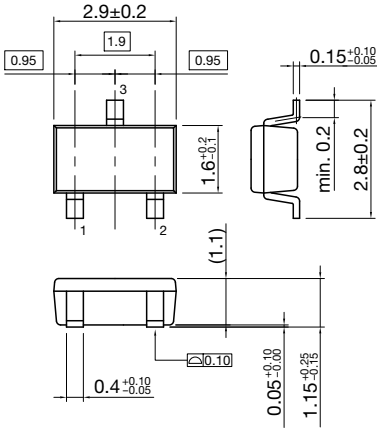
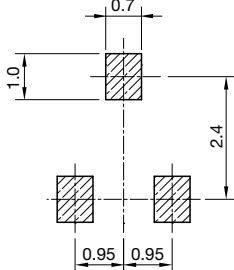
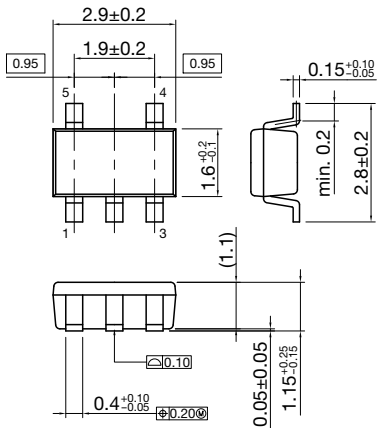
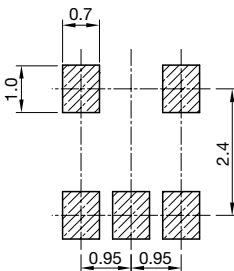
パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>SOP-16B</p>	<p>Top view dimensions: 10.2±0.3, 4.4±0.2, 0.955max., 1.27, 0.15^{+0.05}/_{-0.05}, 0.4±0.2, 6.2±0.3, 0-10°.</p> <p>Side view dimensions: 0.05±0.05, 1.55±0.15, 0.4±0.1, 0.10, (1.5).</p> <p>Detail view dimensions: 0.15^{+0.05}/_{-0.05}, 0.4±0.2, 6.2±0.3, 0-10°.</p>	<p>Pin pitch: 1.27, 0.80</p> <p>Pin width: 1.10</p> <p>Overall width: 5.80</p>
<p>SOP-28B</p>	<p>Top view dimensions: 17.6±0.3, 7.6±0.2, 0.845max., 1.27, 0.2^{+0.10}/_{-0.05}, 0.5±0.2, 9.9±0.3, 0-10°.</p> <p>Side view dimensions: 0.05±0.05, 1.85±0.15, 0.4±0.1, 0.10, (1.8).</p> <p>Detail view dimensions: 0.2^{+0.10}/_{-0.05}, 0.5±0.2, 9.9±0.3, 0-10°.</p>	<p>Pin pitch: 1.27</p> <p>Pin width: 1.20</p> <p>Overall width: 9.40</p> <p>Pin spacing: 0.60</p>

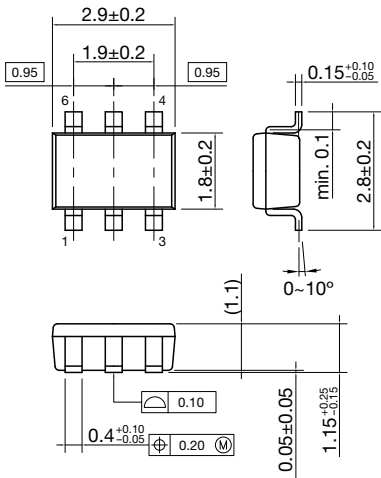
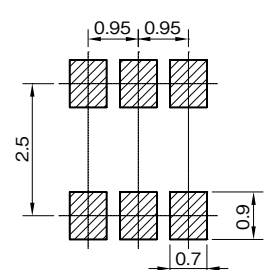
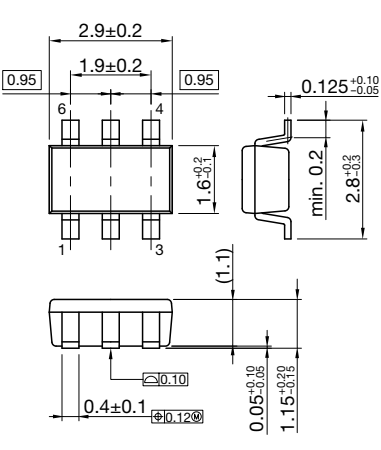
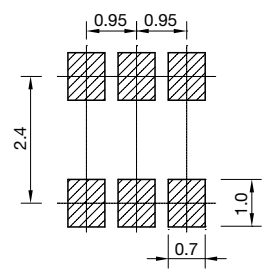
for package

パッケージ

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>SOT-23A</p>		
<p>SOT-25A</p>		

パッケージ

パッケージ名	外形寸法図	推奨ランド図
SOT-26A		
SOT-26B		

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>SOT89-5A</p>	<p>Top View Dimensions: 4.5 ± 0.1, 0.42 ± 0.07 (0.9), 2.5 ± 0.1, $4.25^{+0.03}$, $\phi 1.0$, 1.5, 1.5 (0.9)</p> <p>Side View Dimensions: 1.5 ± 0.1, 0.44max.</p> <p>Bottom View Dimensions: 0.42 ± 0.07, 0.42 ± 0.07, 0.47 ± 0.07</p> <p>(Bottom View) Dimensions: 1.6 ± 0.2 (0.2), 0.4</p>	<p>Land Pattern Dimensions: 1.50, 1.50, 1.50, 0.70, 0.80, 0.70, 1.00, 2.00, 0.70</p>
<p>SQFN-16A</p>	<p>Top View Dimensions: 3.00 ± 0.05, 12, 9, 13, 8, 3.00 ± 0.05, 16, 5, 1, 4</p> <p>Side View Dimensions: 0.15, 0.75 ± 0.05, 0.05 S, $0.02^{+0.002}$ S</p> <p>(Bottom View) Dimensions: 0.40 ± 0.05, 16, 13, 12, 9, 1.6, 4, 5, 8, 1.6, 0.20 ± 0.05, 0.05 S</p>	<p>Land Pattern Dimensions: (2.8), (1.6), (16×0.6), (1.6), (16×0.2), (12×0.5), (2.8), (1.6)</p>

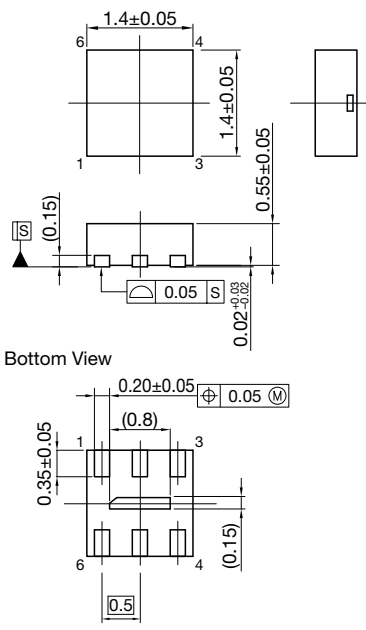
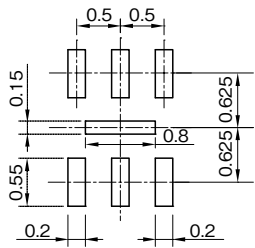
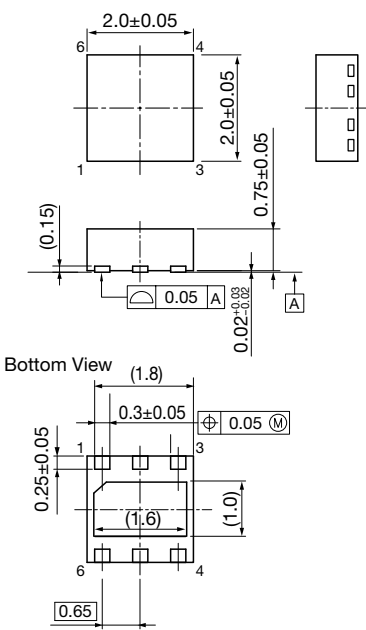
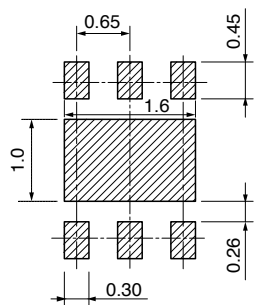
パッケージ

パッケージ名	外形寸法図	推奨ランド図
SQFN-32A	<p>Technical drawing of SQFN-32A package. Top view shows a square footprint with dimensions 24x24. Pin pitch is 5.0±0.05. Pin 1 is at the bottom-left corner. Bottom view shows a square footprint with dimensions 24x24. Pin pitch is 3.6. Pin 1 is at the top-left corner. Side view shows a height of 0.75±0.05. Other dimensions include 0.02±0.02, 0.15, 0.5, and 0.05. A circular feature has a diameter of 0.2±0.05 and a depth of 0.05.</p>	<p>Recommended land pattern diagram for SQFN-32A. The package is 4.8 wide and 3.6 high. The land pattern shows a central square area with a width of 3.6 and a height of 3.6. The pin pitch is 0.6. The distance from the center to the edge of the land is 0.2. The distance from the center to the edge of the pin is 0.5.</p>
SSON-4B	<p>Technical drawing of SSON-4B package. Top view shows a square footprint with dimensions 1.1±0.05 x 1.4±0.05. Pin 1 is at the bottom-left corner. Bottom view shows a square footprint with dimensions 1.1±0.05 x 1.4±0.05. Pin 1 is at the top-left corner. Side view shows a height of 0.55±0.05. Other dimensions include 0.02±0.02, 0.15, 0.5, and 0.05. A circular feature has a diameter of 0.21±0.02 and a depth of 0.05.</p>	<p>Recommended land pattern diagram for SSON-4B. The package is 1.1±0.05 wide and 1.4±0.05 high. The land pattern shows a central square area with a width of 0.5 and a height of 0.5. The pin pitch is 1.05. The distance from the center to the edge of the land is 0.3. The distance from the center to the edge of the pin is 0.8.</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
SSON-6A	<p>Technical drawing of SSON-6A package. Dimensions include: 1.80±0.05 (width), 2.00±0.05 (height), 0.75±0.05 (total thickness), 0.02^{+0.03}/_{-0.02} (lead thickness), 0.05±0.05 (lead width), 0.30±0.05 (pitch), 0.20±0.05 (lead length), and 0.30±0.05 (lead spacing). A note (S) (0.15) is present. The bottom view shows a central area (1:2) and a width of 0.8.</p>	<p>Recommended land pattern for SSON-6A package. Dimensions include: 0.5 (lead width), 0.5 (lead width), 0.5 (lead width), 0.8 (land width), 0.7 (land length), 1.2 (land length), 0.7 (land length), 0.5 (lead width), 0.3 (lead width), and 0.2 (lead width).</p>
SSON-6E	<p>Technical drawing of SSON-6E package. Dimensions include: 1.80±0.05 (width), 1.60±0.05 (height), 0.55±0.05 (total thickness), 0.02^{+0.03}/_{-0.02} (lead thickness), 0.05±0.05 (lead width), 0.30±0.05 (pitch), 0.20±0.05 (lead length), and 0.25±0.05 (lead spacing). A note (S) (0.15) is present. The bottom view shows a central area (1:2) and a width of 0.5.</p>	<p>Recommended land pattern for SSON-6E package. Dimensions include: 0.5 (lead width), 0.5 (lead width), 0.5 (lead width), 0.5 (land width), 1.2 (land length), 0.55 (land length), 0.45 (land length), 0.45 (land length), 0.3 (lead width), and 0.2 (lead width).</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
SSON-6J	 <p>Top View: 1.4±0.05, 1.4±0.05, 0.55±0.05</p> <p>Side View: 0.15, 0.05, 0.02^{+0.02}_{-0.02}, 0.55±0.05</p> <p>Bottom View: 0.20±0.05, 0.05, 0.8, 0.35±0.05, 0.15, 0.5</p>	 <p>0.5, 0.5, 0.15, 0.8, 0.625, 0.55, 0.2, 0.2</p>
SSON-6L	 <p>Top View: 2.0±0.05, 2.0±0.05, 0.75±0.05</p> <p>Side View: 0.15, 0.05, 0.02^{+0.02}_{-0.02}, 0.75±0.05</p> <p>Bottom View: 1.8, 0.3±0.05, 0.05, 0.25±0.05, 1.0, 1.0, 0.65</p>	 <p>0.65, 0.45, 1.0, 1.6, 0.26, 0.30</p>

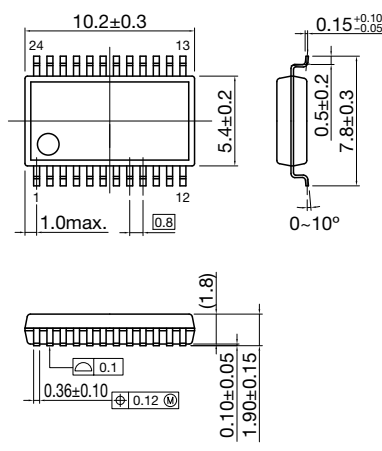
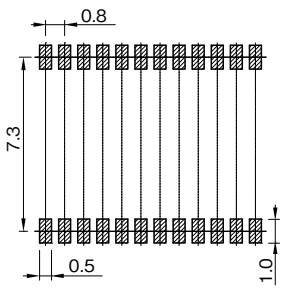
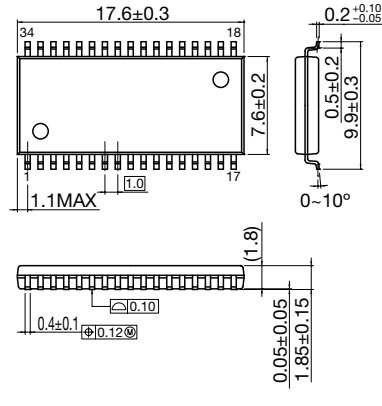
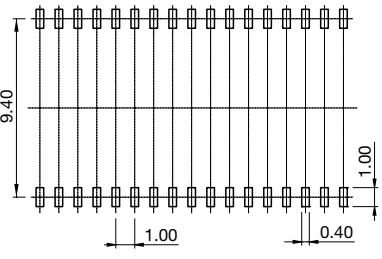
パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>SSON-8B</p>	<p>Technical drawing of SSON-8B package showing top, side, and bottom views with dimensions:</p> <ul style="list-style-type: none"> Top View: Overall width 8, overall height 5, central width 2.30 ± 0.05, central height 2.30 ± 0.05. Side View: Total height 0.75, top thickness 0.02, bottom thickness 0.05, lead height 0.15. Bottom View: Lead width 0.5, lead pitch 0.20, lead length 0.9, lead diameter $\phi 0.05$. 	<p>Recommended land pattern for SSON-8B package showing dimensions for 8 pins:</p> <ul style="list-style-type: none"> Pin width: 0.5 Pin pitch: 0.25 Pin diameter: 0.3 Pin length: 0.9 Pin spacing: 0.6 Pin diameter: 0.2 Pin length: 0.5 Pin diameter: 0.3 Pin length: 0.75 Pin diameter: 0.3 Pin length: 2.1
<p>SSON-8C</p>	<p>Technical drawing of SSON-8C package showing top, side, and bottom views with dimensions:</p> <ul style="list-style-type: none"> Top View: Overall width 8, overall height 5, central width 3.00 ± 0.10, central height 3.00 ± 0.10. Side View: Total height 0.55, top thickness 0.08, bottom thickness 0.035, lead height 0.15. Bottom View: Lead width 0.65, lead pitch 0.30, lead length 2.2, lead diameter $\phi 0.1$. 	<p>Recommended land pattern for SSON-8C package showing dimensions for 8 pins:</p> <ul style="list-style-type: none"> Pin width: 0.65 Pin pitch: 0.33 Pin diameter: 0.3 Pin length: 2.5 Pin spacing: 0.7 Pin diameter: 0.3 Pin length: 1.7 Pin diameter: 0.3 Pin length: 1.05 Pin diameter: 0.3 Pin length: 2.8

パッケージ

パッケージ名	外形寸法図	推奨ランド図
SSON-10A	<p>Top View: 2.7, 10, 6, 2.5, 1, 5</p> <p>Bottom View: 0.15, 0.55, 0.02^{+0.03}/_{-0.02}, 0.05 A, 0.3, 0.1, 0.5, 0.2, 0.05 M, 1, 5, 10, 6</p> <p>Side View: 0.05, 0.02^{+0.03}/_{-0.02}</p>	<p>Dimensions: 2.30, 0.50, 0.45, 1.50, 2.90, 0.10, 0.30, 0.20</p>
SSOP-8A	<p>Top View: 2.0±0.3, 2.3±0.2, 0.5, 0.25, 0.7, 0.1, 0.05^{+0.10}/_{-0.00}, 0.2^{+0.05}/_{-0.04}, 0.1 M, 8, 5, 4</p> <p>Side View: (0.13), MIN0.1, 3.1±0.3, 0-10°</p>	<p>Dimensions: 0.50, 3.05, 0.55, 0.25</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>SSOP-24B</p>	 <p>Top view dimensions: 10.2±0.3, 24, 13, 5.4±0.2, 1.0max., 0.8, 1, 12.</p> <p>Side view dimensions: 0.15^{+0.10}/_{-0.05}, 0.5±0.2, 7.8±0.3, 0~10°.</p> <p>Detail view dimensions: (1.8), 0.10±0.05, 1.90±0.15, 0.36±0.10, 0.1, 0.12.</p>	 <p>Land pattern dimensions: 0.8, 7.3, 0.5, 1.0.</p>
<p>SSOP-34A</p>	 <p>Top view dimensions: 17.6±0.3, 34, 18, 7.6±0.2, 1.1MAX, 1.0, 17.</p> <p>Side view dimensions: 0.2^{+0.10}/_{-0.05}, 0.5±0.2, 9.9±0.3, 0~10°.</p> <p>Detail view dimensions: (1.8), 0.05±0.05, 1.85±0.15, 0.4±0.1, 0.10, 0.12.</p>	 <p>Land pattern dimensions: 9.40, 1.00, 0.40, 1.00.</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>SSOP-36A</p>	<p>Top view dimensions: 15.0±0.3, 36, 19, 18, 1.0max., 0.8</p> <p>Side view dimensions: 5.4±0.2, 0.15^{+0.10}/_{-0.05}, 0.5±0.2, 7.8±0.3, 0~10°</p> <p>Detail view dimensions: (1.8), 0.4±0.1, 0.10, 0.10, 0.10±0.05, 1.90±0.10</p>	<p>Land pattern dimensions: 0.8, 9.4, 0.5, 1.0</p>
<p>SSOP-42A</p>	<p>Top view dimensions: 17.6±0.3, 42, 23, 21, 1.1max., 0.8</p> <p>Side view dimensions: 7.6±0.2, 0.2^{+0.10}/_{-0.05}, 0.5±0.2, 9.9±0.3, 0~10°</p> <p>Detail view dimensions: (1.8), 0.35±0.10, 0.12, 0.1, 0.05±0.05, 1.85±0.15</p>	<p>Land pattern dimensions: 0.8, 9.4, 0.5, 1.0</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>TO-92A</p>	<p>Technical drawing of TO-92A package showing dimensions: R2.5, 5.0±0.2, 7.5±0.3, 5.0±0.3, 12.7min., 0.4±0.1, 2.5, 3.8±0.2, 1.3, 0.38^{+0.10}/_{-0.05}.</p>	
<p>TO-252C</p>	<p>Technical drawing of TO-252C package showing dimensions: 6.60±0.20, 5.34±0.20, 2.30±0.20, 0.50±0.10, 0.127max., 1.524^{+0.254}/_{-0.127}, 9.90±0.30, 0.76±0.05, 0.50±0.10, 2.3, 6.10±0.20, 1.10, 2.70, 0.75, 5.51, 5.04.</p>	<p>Recommended land pattern for TO-252C showing dimensions: 6.00, 6.50, 6.25, 3.00, 1.40, 2.30, 4.60.</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>TO-252-5A</p>	<p>Top view dimensions: 1.10 ± 0.20, 6.60 ± 0.20, 5.34 ± 0.20, 6.10 ± 0.20, 2.70 ± 0.20, 9.90 ± 0.30, 1.27, 0.50 ± 0.10, $\phi 0.12 \text{ (M)}$, 0.10.</p> <p>Side view dimensions: 0.50 ± 0.10, $1.524^{+0.254}_{-0.127}$, 0.50 ± 0.10.</p> <p>Bottom view dimensions: 0.127 max., (1.00), 2.30 ± 0.20, (6.04), (3.56), (4.06), (5.51), (1.50), (4.19).</p>	<p>Pad layout dimensions: 5.34, 5.61, 6.33, 1.92, 0.65, 1.27.</p>
<p>TSOP-16A</p>	<p>Top view dimensions: 5.0 ± 0.3, 16, 9, 4.4 ± 0.2, 0.65, 0.525 max..</p> <p>Side view dimensions: $0.15^{+0.10}_{-0.05}$, 0.5 ± 0.2, 6.4 ± 0.3, $0 \sim 10^\circ$.</p> <p>Bottom view dimensions: (1.0), 0.10, 0.22 ± 0.1, $\phi 0.10 \text{ (M)}$, 0.10 ± 0.05, 1.1 ± 0.1.</p>	<p>Pad layout dimensions: 0.65, 0.35, 5.9, 0.90.</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>TSOP-16B</p>		
<p>TSOP-16D</p>		

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>TSOP-20A</p>		
<p>TSOP-20B</p>	<p>(Bottom View)</p>	

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>TSOP-20D</p>	<p>Top View: 6.5±0.3, 4.4±0.2, 0.65, 0.625max., 1.1±0.1, 0.10±0.05, 0.22±0.08, (1.0), (0.10), (0.10)</p> <p>Side View: 0.15^{+0.10}/_{-0.05}, 6.4±0.3, 0.5±0.2, 0~10°</p> <p>Bottom View: 0.1±0.05, 1.1±0.1, 0.22±0.1, (0.10), (0.10)</p>	<p>Dimensions: 0.65, 0.35, 5.9, 0.90</p>
<p>TSOP-20E</p>	<p>Top View: 6.5±0.3, 4.4±0.2, 0.65, 0.625max., 1.1±0.1, 0.1±0.05, 0.22±0.1, (1.0), (0.10), (0.10)</p> <p>Side View: 0.15^{+0.10}/_{-0.05}, 6.4±0.3, 0.5±0.2, 0~10°</p> <p>Bottom View: 0.1±0.05, 1.1±0.1, 0.22±0.1, (0.10), (0.10)</p> <p>Bottom View (3.75): (2.85)</p>	<p>Dimensions: 0.65, 0.35, 5.9, 0.90, 4.20, 3.00</p>

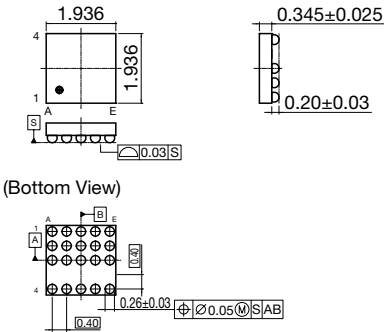
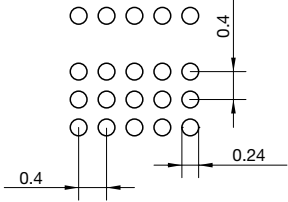
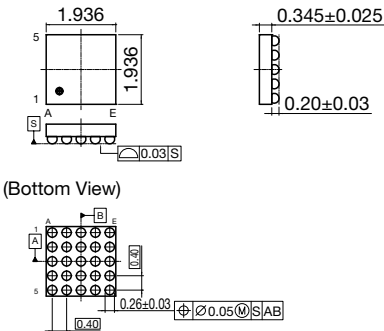
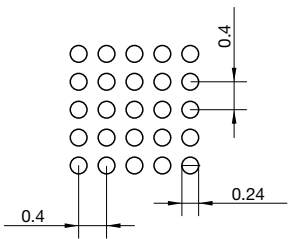
パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>TSOP-20F</p>	<p>6.5±0.3 11 4.4±0.2 10 0.65 0.127±0.008 0.6±0.1 6.4±0.3 0-8° 1.0 0.1±0.05 1.20MAX Bottom View (3.99) 0.24±0.05 0.10 0.10</p>	<p>0.65 0.40 7.72 5.94 3.00 4.16 1.78</p>
<p>VSOP-8B</p>	<p>2.9±0.1 8 5 2.8±0.2 4 1 0.65 0.125^{+0.10}_{-0.05} 0.45±0.20 4.0±0.3 0-10° 1.1 1.3max. 0.10±0.05 0.10 0.2±0.1 0.12</p>	<p>0.65 3.55 0.95 0.35</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>VSOP-8C</p>		
<p>VSOP-8D</p>		

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>WLCSP-20A</p>	 <p>Top View: 1.936 x 1.936 mm, Pin 1 location, 0.03 mm fillet radius.</p> <p>Side View: 0.345 ± 0.025 mm height, 0.20 ± 0.03 mm thickness.</p> <p>(Bottom View): 0.40 mm pitch, 0.26 ± 0.03 mm pad diameter, Ø0.05 mm hole diameter, 0.03 mm pad thickness.</p>	 <p>Grid: 4 columns, 5 rows.</p> <p>Column pitch: 0.4 mm.</p> <p>Row pitch: 0.4 mm.</p> <p>Pad diameter: 0.24 mm.</p>
<p>WLCSP-25A</p>	 <p>Top View: 1.936 x 1.936 mm, Pin 1 location, 0.03 mm fillet radius.</p> <p>Side View: 0.345 ± 0.025 mm height, 0.20 ± 0.03 mm thickness.</p> <p>(Bottom View): 0.40 mm pitch, 0.26 ± 0.03 mm pad diameter, Ø0.05 mm hole diameter, 0.03 mm pad thickness.</p>	 <p>Grid: 5 columns, 5 rows.</p> <p>Column pitch: 0.4 mm.</p> <p>Row pitch: 0.4 mm.</p> <p>Pad diameter: 0.24 mm.</p>

パッケージ

パッケージ名	外形寸法図	推奨ランド図
<p>WLCSP-48A</p>	<p>Top View Dimensions: 3.47 ± 0.03 (width) 3.47 ± 0.03 (length) 0.4 ± 0.025 (height) 0.24 ± 0.03 (pitch) 0.03 (fillet radius)</p> <p>(Bottom View) 0.32 ± 0.05 (pitch) 0.50 (width) 0.05 (height) $\text{M} \text{S} \text{A} \text{B}$ (tolerance)</p>	<p>Recommended Land Pattern Dimensions: 0.5 (pitch) 0.25 (width)</p>