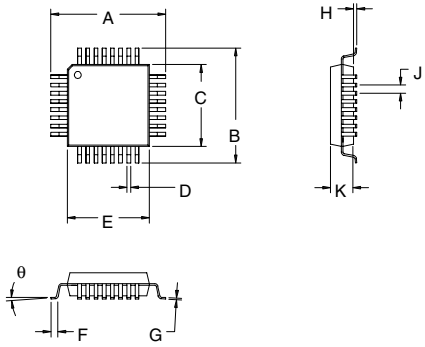
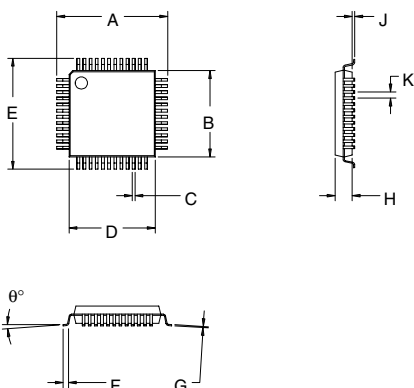
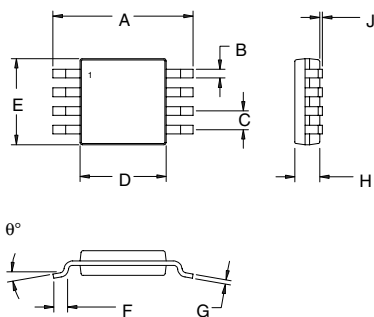
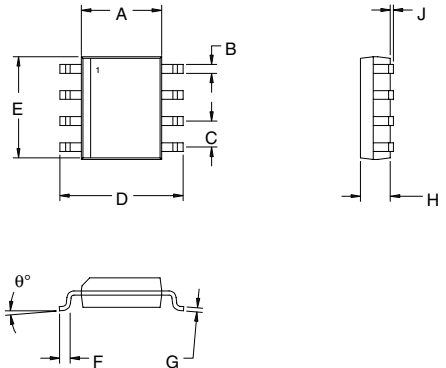
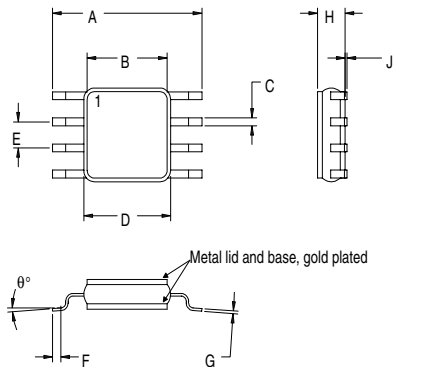
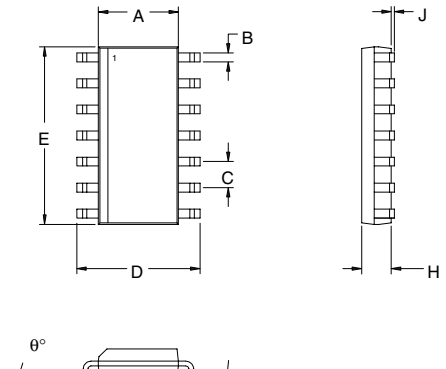
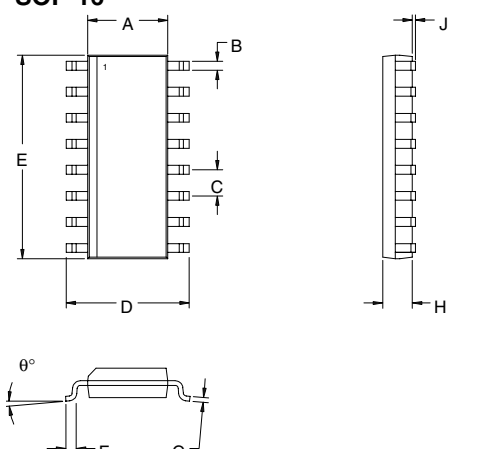
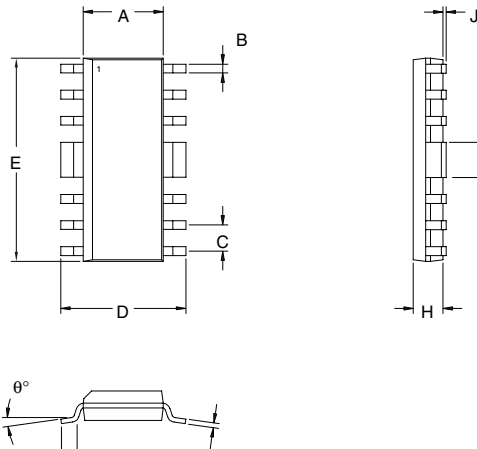
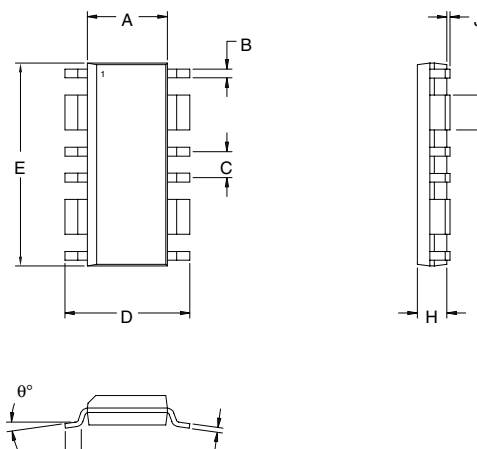


Package Drawing	Dimension	Measurement (mm)		Measurement (inches)	
		Typical	Tolerance	Typical	Tolerance
LQFP-32 	A	7.00	±0.20	0.276	±0.008
	B	7.00	±0.20	0.276	±0.008
	C	5.00	±0.10	0.197	±0.004
	D	0.22	±0.05	0.009	±0.002
	E	5.00	±0.10	0.197	±0.004
	F	0.60	+0.15, -0.10	0.024	+0.006, -0.004
	G	0.127		0.005	
	H	0.05 to 0.15		0.002 to 0.006	
	J	0.50		0.020	
	K	1.40	±0.05	0.055	±0.002
	θ	0° to 7°		0° to 7°	
LQFP-48 	A	9.00	±0.20	0.354	±0.008
	B	7.00	±0.10	0.276	±0.004
	C	0.22	±0.05	0.009	±0.002
	D	7.00	±0.10	0.276	±0.004
	E	9.00	±0.20	0.354	±0.008
	F	0.60	+0.15, -0.10	0.025	+0.006, -0.004
	G	0.17 Max		0.007 Max	
	H	1.40	±0.05	0.055	±0.002
	J	0.05 to 0.15		0.002 to 0.006	
	K	0.50		0.020	
	θ	0° to 7°		0° to 7°	
MSOP-8 	A	4.90	±0.08	0.193	±0.003
	B	0.33	±0.08	0.013	±0.003
	C	0.65		0.026	
	D	3.00	±0.05	0.118	±0.002
	E	3.00	±0.05	0.118	±0.002
	F	0.56	±0.13	0.022	±0.005
	G	0.18	±0.05	0.007	±0.002
	H	0.86	±0.05	0.034	±0.002
	J	0.10	±0.05	0.004	±0.002
	θ	0° to 6°		0° to 6°	

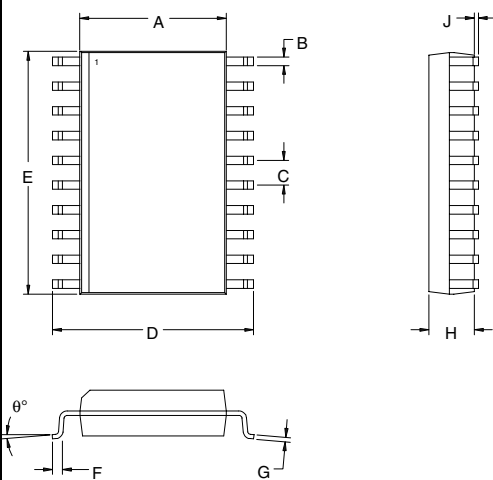
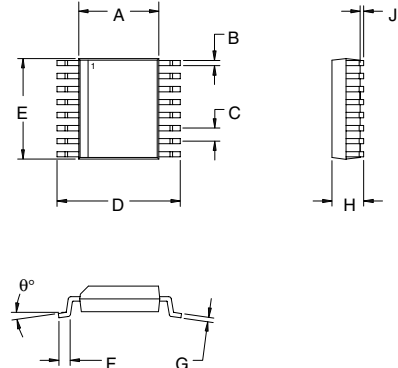
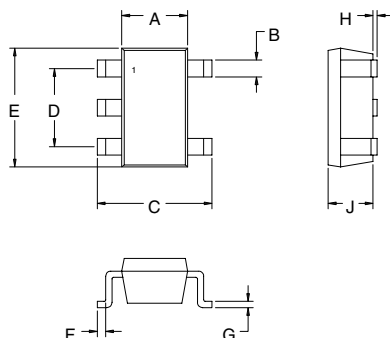
Package Drawing	Dimension	Measurement (mm)		Measurement (inches)	
		Typical	Tolerance	Typical	Tolerance
PSOP-8 	A	3.91	+0.08, -0.10	0.154	+0.003, -0.004
	B	0.41	±0.08	0.016	±0.003
	C	1.27		0.050	
	D	6.02	±0.18	0.237	±0.007
	E	4.90	+0.08, -0.10	0.193	+0.003, -0.004
	F	0.64	+0.25, -0.23	0.025	+0.010, -0.009
	G	0.23	+0.03, -0.05	0.009	+0.001, -0.002
	H	1.47	±0.08	0.058	±0.003
	J	0.05	±0.025	0.002	±0.001
	K	2.92	±0.20	0.115	±0.008
	L	2.00	±0.20	0.079	±0.008
	θ	0° to 8°		0° to 8°	
PSSOP-16 	A	3.90	±0.10	0.154	+0.003, -0.004
	B	0.25	±0.05	0.010	±0.002
	C	0.65		0.026	
	D	6.00	±0.20	0.236	±0.008
	E	4.90	±0.10	0.193	±0.004
	F	0.60	±0.15	0.024	±0.006
	G	0.20 to 0.24		0.008 to 0.009	
	H	1.40	±0.10	0.055	±0.004
	J	0.05	±0.025	0.002	±0.001
	K	2.69	±0.10	0.106	±0.004
	L	1.68	±0.10	0.066	±0.004
	θ	0° to 8°		0° to 8°	
QLCC-16 	A	6.35	±0.20	0.250	±0.008
	B	6.35	±0.20	0.250	±0.008
	C	1.27		0.050	
	D	Radius 0.20		Radius 0.008	
	E	3.81		0.150	
	F	0.64	±0.20	0.025	±0.008
	G	0.64		0.025	
	H	2.49		0.098	
	J	2.49		0.098	
	K	1.78	±0.13	0.070	±0.005
	L	0.51	±0.05	0.020	±0.002

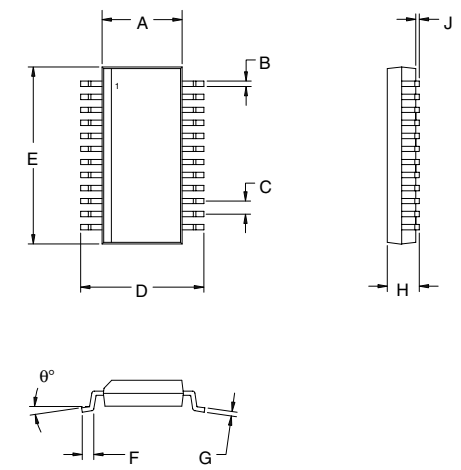
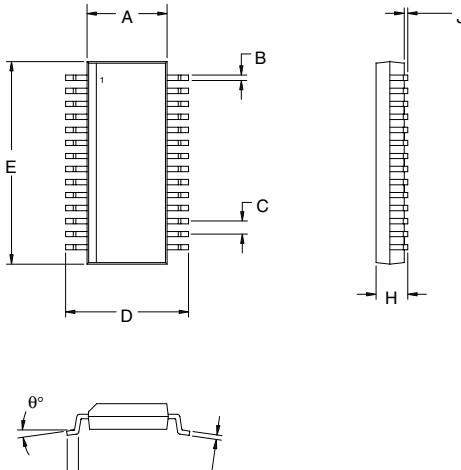
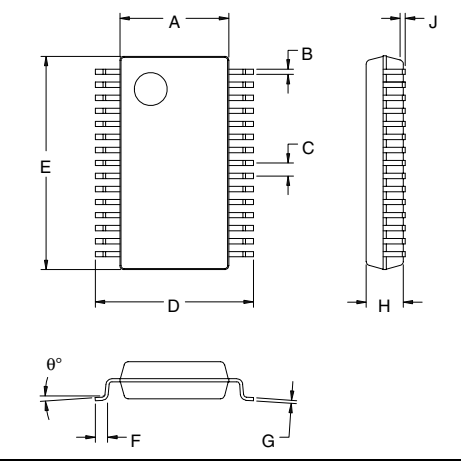


Package Drawing	Dimension	Measurement (mm)		Measurement (inches)	
		Typical	Tolerance	Typical	Tolerance
SOP-8 	A	3.90	±0.05	0.154	±0.002
	B	0.43		0.017	
	C	1.27		0.050	
	D	6.00	±0.10	0.236	±0.004
	E	4.90	±0.20	0.193	±0.008
	F	0.50	±0.05	0.020	±0.002
	G	0.20		0.008	
	H	1.37	±0.05	0.054	±0.002
	J	0.10 Min		0.004 Min	
	θ	5°		5°	
SOP-8-C 	A	7.87	±0.13	0.310	±0.005
	B	4.22 Square		0.166 Square	
	C	0.38	±0.05	0.015	±0.002
	D	4.57 Max		0.180 Max	
	E	1.27		0.050	
	F	0.38	±0.05	0.015	±0.002
	G	0.13	±0.03	0.005	±0.001
	H	1.45 Max		0.057 Max	
	J	0 to 0.10		0 to 0.004	
	θ	0° to 4°		0° to 4°	
SOP-14 	A	3.90	±0.09	0.154	±0.004
	B	0.41	±0.05	0.016	±0.002
	C	1.27		0.050	
	D	6.00	±0.20	0.236	±0.008
	E	8.65	±0.09	0.340	±0.003
	F	0.84	±0.43	0.033	±0.017
	G	0.22	±0.03	0.009	+0.001, -0.002
	H	1.61	±0.09	0.063	+0.004, -0.003
	J	0.18	+0.07, -0.08	0.007	±0.003
	θ	0° to 8°		0° to 8°	

Package Drawing	Dimension	Measurement (mm)		Measurement (inches)	
		Typical	Tolerance	Typical	Tolerance
SOP-16 	A	3.90	±0.09	0.154	±0.004
	B	0.41	±0.05	0.016	±0.002
	C	1.27		0.050	
	D	6.00	±0.20	0.236	±0.008
	E	9.89	±0.09	0.390	+0.003, -0.004
	F	0.84	±0.43	0.033	±0.017
	G	0.22	±0.03	0.009	+0.001, -0.002
	H	1.41	±0.09	0.063	+0.004, -0.003
	J	0.18	+0.07, -0.08	0.007	±0.003
	θ	0° to 8°		0° to 8°	
SOP-16 BW 	A	3.91	±0.10	0.154	±0.004
	B	0.43	±0.08	0.017	±0.003
	C	1.27		0.050	
	D	6.02	±0.18	0.237	±0.007
	E	9.88	±0.08	0.389	±0.003
	F	0.64	+0.25, -0.23	0.025	+0.010, -0.009
	G	0.23	±0.03	0.009	±0.001
	H	1.45	+0.05, -0.08	0.057	+0.002, -0.003
	J	0.17	+0.06, -0.08	0.007	+0.002, -0.003
	K	1.69	+0.06, -0.07	0.067	+0.002, -0.003
SOP-16 QBW1 	A	3.91	±0.10	0.154	±0.004
	B	0.43	±0.08	0.017	±0.003
	C	1.27		0.050	
	D	6.02	±0.18	0.237	±0.007
	E	9.88	±0.08	0.389	±0.003
	F	0.64	+0.25, -0.23	0.025	+0.010, -0.009
	G	0.23	±0.03	0.009	±0.001
	H	1.45	+0.05, -0.08	0.057	+0.002, -0.003
	J	0.17	+0.06, -0.08	0.007	+0.002, -0.003
	K	1.69	+0.06, -0.07	0.067	+0.002, -0.003
	θ	0° to 8°		0° to 8°	

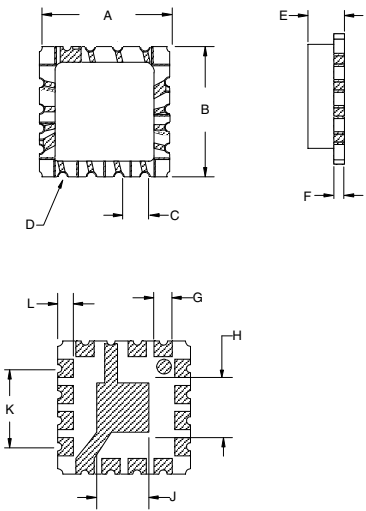


Package Drawing	Dimension	Measurement (mm)		Measurement (inches)	
		Typical	Tolerance	Typical	Tolerance
SOP-20 	A	7.50	±0.10	0.295	±0.004
	B	0.41	±0.05	0.016	±0.002
	C	1.27		0.050	
	D	10.31	±0.20	0.406	±0.008
	E	12.75	±0.10	0.502	±0.004
	F	0.76	±0.25	0.030	±0.010
	G	0.27	±0.05	0.011	±0.002
	H	2.34		0.092	
	J	0.20	±0.10	0.008	±0.004
	θ	0° to 8°		0° to 8°	
SSOP-16 	A	3.90	±0.09	0.154	±0.003
	B	0.26	±0.05	0.010	±0.002
	C	0.64		0.025	
	D	6.00	±0.20	0.236	±0.008
	E	4.89	±0.09	0.192	±0.003
	F	0.84	±0.43	0.033	±0.017
	G	0.22	±0.03	0.009	+0.001, -0.002
	H	1.55	±0.20	0.061	+0.007, -0.008
	J	0.18	+0.07, -0.08	0.007	±0.003
	θ	0° to 8°		0° to 8°	
SOT-23-5 	A	1.60	+0.20, -0.10	0.063	+0.008, -0.004
	B	0.40	+0.10, -0.05	0.016	+0.004, -0.002
	C	2.80	±0.20	0.110	±0.008
	D	1.90	+0.30, -0.20	0.075	±0.008
	E	2.90	±0.20	0.114	±0.008
	F	0.20 Min		0.008 Min	
	G	0.15	+0.10, -0.05	0.006	+0.004, -0.002
	H	0.00 to 0.10		0.00 to 0.004	
	J	1.10	+0.20, -0.10	0.043	+0.008, -0.004

Package Drawing	Dimension	Measurement (mm)		Measurement (inches)	
		Typical	Tolerance	Typical	Tolerance
SSOP-24 	A	3.90	±0.09	0.154	±0.003
	B	0.26	±0.05	0.010	±0.002
	C	0.64		0.025	
	D	6.00	±0.20	0.236	±0.008
	E	8.60	±0.09	0.340	±0.003
	F	0.84	±0.43	0.033	±0.017
	G	0.22	±0.03	0.009	+0.001, -0.002
	H	1.55	±0.20	0.061	+0.007, -0.008
	J	0.18	+0.07, -0.08	0.007	±0.003
	θ	0° to 8°		0° to 8°	
SSOP-28 	A	3.90	±0.09	0.154	±0.003
	B	0.26	±0.05	0.010	±0.002
	C	0.64		0.025	
	D	6.00	±0.20	0.236	±0.008
	E	10.00	+0.21, -0.20	0.394	±0.008
	F	0.84	±0.43	0.033	±0.017
	G	0.22	±0.03	0.009	+0.001, -0.002
	H	1.55	±0.20	0.061	+0.007, -0.008
	J	0.18	+0.07, -0.08	0.007	±0.003
	θ	0° to 8°		0° to 8°	
SSOP-30 	A	5.30	+0.00, -0.10	0.209	+0.000, -0.004
	B	0.30	±0.10	0.012	±0.004
	C	0.65	±0.12	0.026	±0.005
	D	7.70	±0.20	0.303	±0.008
	E	10.40 Max		0.409 Max	
	F	0.60	±0.15	0.024	±0.006
	G	0.15	±0.05	0.006	±0.002
	H	1.80	±0.05	0.071	±0.002
	J	0.10	+0.05, -0.10	0.004	+0.002, -0.004
	θ	1° to 7°		1° to 7°	

Package Drawing	Dimension	Measurement (mm)		Measurement (inches)	
		Typical	Tolerance	Typical	Tolerance
Micro-X-CF 	A	2.54	±0.38	0.100	±0.015
	B	1.78	±0.08	0.070	±0.003
	C	1.02	±0.13	0.040	±0.005
	D	0.51	±0.13	0.020	±0.005
	E	5.10	±0.38	0.200	±0.015
	F	0.30	±0.05	0.012	±0.002
	G	0.20	±0.05	0.008	±0.002
	H	0.89	±0.08	0.035	±0.003
	J	0.61	±0.05	0.024	±0.002
	K	1.45 Max		0.57 Max	
	L	0.13	±0.05	0.005	±0.002
	θ	45°		45°	
MP16K01A 	A	4.08	+0.12, -0.13	0.161	+0.004, -0.005
	B	3.43	+0.07, -0.08	0.135	+0.002, -0.003
	C	4.08	+0.12, -0.13	0.161	+0.004, -0.005
	D	3.43	+0.07, -0.08	0.135	+0.002, -0.003
	E	1.35	±0.15	0.053	±0.005
	F	0.25		0.009	
	G	1.50		0.059	
	H	0.57 Square		0.022 Square	
	J	1.50		0.059	
	K	0.60		0.023	
	L	0.80		0.031	
	M	0.82		0.032	
	N	0.11	+0.07, -0.08	0.004	+0.002, -0.003
	O	2.13		0.083	
	P	0.60		0.023	
	Q	0.52		0.020	
	θ				
MSOP-10 	A	4.90	±0.20	0.193	±0.008
	B	0.28	±0.15	0.011	±0.006
	C	0.50		0.0197	
	D	3.00	±0.15	0.118	±0.006
	E	3.00	±0.15	0.118	±0.006
	F	0.10	±0.05	0.004	±0.002
	G	0.86	±0.10	0.034	±0.004
	H	0.18	±0.10	0.007	±0.004
	J	0.55	±0.20	0.0215	±0.008
	θ	0° to 6°		0° to 6°	



Package Drawing	Dimension	Measurement (mm)		Measurement (inches)	
		Typical	Tolerance	Typical	Tolerance
QLCC-16ALN 	A	6.35	±0.20	0.250	±0.008
	B	6.35	±0.20	0.250	±0.008
	C	1.27		0.050	
	D	Radius 0.20		Radius 0.008	
	E	1.78	±1.27	0.070	±0.005
	F	0.56	±0.05	0.022	±0.002
	G	0.64		0.025	
	H	3.04		0.120	
	J	3.04		0.120	
	K	3.81	±0.13	0.150	±0.005
	L	0.64	±0.20	0.025	±0.008
	θ				