

Bill of Materials from SM2000-A.sch, 455 parts, as of 5/5/2016 10:13:00 AM

Part	Package	Sheet	Side	X (inch)	Y (inch)	X (mm)	Y (mm)	Angle
C1	C0805		1 Top	3.209	4.370	81.50	111.00	90
C2	C0805		1 Top	3.110	4.370	79.00	111.00	90
C3	C0805		1 Top	3.307	4.921	84.00	125.00	180
C4	C0805		1 Top	4.802	4.867	121.96	123.61	90
C5	C0805		1 Top	3.307	5.020	84.00	127.50	180
C6	C0805		1 Top	4.272	4.784	108.50	121.50	90
C7	C0805		1 Top	4.606	4.784	117.00	121.50	270
C8	C0805		1 Top	3.878	5.039	98.50	128.00	0
C9	C0805		1 Top	3.878	5.138	98.50	130.50	0
C10	C0805		1 Top	4.291	5.039	109.00	128.00	0
C11	C0805		1 Top	4.173	4.784	106.00	121.50	90
C12	C0805		1 Top	4.705	4.784	119.50	121.50	270
C13	C0805		1 Top	5.748	4.823	146.00	122.50	0
C14	C0805		1 Top	3.917	4.075	99.50	103.50	180
C15	C0805		1 Top	3.917	4.173	99.50	106.00	180
C16	C0805		1 Top	4.134	4.232	105.00	107.50	0
C17	C0805		1 Top	3.012	4.370	76.50	111.00	270
C18	C0805		1 Top	3.307	5.118	84.00	130.00	180
C19	C0805		1 Top	4.291	4.587	109.00	116.50	270
C20	C0805		1 Top	0.728	1.693	18.50	43.00	0
C21	C0805		1 Top	4.193	4.469	106.50	113.50	270
C22	C0805		1 Top	5.433	5.260	138.00	133.60	180
C23	C0805		2 Top	2.539	5.492	64.50	139.50	270
C24	C0805		2 Top	3.032	5.453	77.00	138.50	90
C25	C0805		2 Top	5.787	6.201	147.00	157.50	270
C26	C1210		2 Top	3.878	5.610	98.50	142.50	180
C27	C0805		2 Top	1.240	4.469	31.50	113.50	270
C28	C0805		2 Top	1.476	4.606	37.50	117.00	90
C29	C1210		2 Top	3.681	5.571	93.50	141.50	270
C30	C0805		2 Top	1.339	4.469	34.00	113.50	270
C31	NICHICON-WX-6.3		2 Top	1.335	4.205	33.91	106.81	270
C32	NICHICON-WX-6.3		2 Top	1.791	4.213	45.50	107.00	270
C33	C0805		2 Top	2.008	4.449	51.00	113.00	270
C34	CAP-CHEMI-HA0		2 Top	0.591	5.591	15.00	142.00	90
C35	C0805		2 Top	1.713	4.606	43.50	117.00	90
C36	C1210		2 Top	4.646	5.610	118.00	142.50	180
C37	C0805		2 Top	3.543	5.591	90.00	142.00	270
C38	C0805		2 Top	1.831	4.606	46.50	117.00	90
C39	C0805		2 Top	2.185	4.606	55.50	117.00	270
C40	C0805		2 Top	2.130	6.130	54.10	155.70	90
C41	C0805		2 Top	2.020	6.130	51.30	155.70	90
C42	C1210		2 Top	1.893	6.133	48.07	155.77	90
C43	C1210		2 Top	1.751	6.133	44.47	155.77	90
C44	C1210		2 Top	4.449	5.571	113.00	141.50	270
C45	C0805		2 Top	4.311	5.591	109.50	142.00	270
C46	C0805		2 Top	2.264	5.492	57.50	139.50	90
C47	C0805		2 Top	2.028	5.492	51.50	139.50	90
C48	C0805		2 Top	0.315	4.449	8.00	113.00	270
C49	C0805		2 Top	2.008	5.787	51.00	147.00	90
C50	C0805		2 Top	1.929	4.941	49.00	125.50	90
C51	C0805		2 Top	1.437	5.492	36.50	139.50	270

C52	CAP-CHEMI-HAO	2 Top	2.421	5.039	61.50	128.00	0
C53	C0805	2 Top	2.047	5.118	52.00	130.00	270
C54	C1210	2 Top	1.339	5.669	34.00	144.00	0
C55	CAP-CHEMI-HAO	2 Top	1.437	5.039	36.50	128.00	0
C56	C0805	2 Top	2.165	4.941	55.00	125.50	270
C57	C0805	3 Top	1.654	3.406	42.00	86.50	90
C58	C0805	3 Top	1.654	2.933	42.00	74.50	90
C59	C0805	3 Top	1.890	3.563	48.00	90.50	90
C60	C0805	3 Top	1.890	3.248	48.00	82.50	270
C61	C0805	3 Top	2.244	3.563	57.00	90.50	270
C62	C0805	3 Top	2.461	1.811	62.50	46.00	180
C63	C0805	3 Top	2.008	2.933	51.00	74.50	90
C64	C0805	3 Top	1.614	1.437	41.00	36.50	270
C65	C0805	3 Top	2.008	2.618	51.00	66.50	270
C66	C0805	3 Top	2.658	1.811	67.50	46.00	180
C67	C0805	3 Top	2.559	1.634	65.00	41.50	0
C68	C0805	3 Top	2.244	2.933	57.00	74.50	270
C69	C0805	3 Top	2.815	1.811	71.50	46.00	180
C70	C0805	3 Top	2.480	3.248	63.00	82.50	90
C71	C0805	3 Top	2.480	2.638	63.00	67.00	90
C72	C0805	3 Top	3.287	1.949	83.50	49.50	180
C73	C0805	3 Top	3.307	1.496	84.00	38.00	0
C74	C0805	3 Top	3.110	1.378	79.00	35.00	270
C75	C0805	3 Top	2.658	1.949	67.50	49.50	180
C76	C0805	3 Top	3.681	1.280	93.50	32.50	90
C77	C0805	3 Top	3.563	1.280	90.50	32.50	90
C78	C0805	3 Top	3.504	1.831	89.00	46.50	90
C79	C0805	3 Top	0.847	0.787	21.50	20.00	180
C80	C0805	3 Top	4.016	1.909	102.00	48.50	270
C81	C0805	3 Top	1.535	0.709	39.00	18.00	0
C82	C0805	3 Top	4.350	1.595	110.50	40.50	0
C83	TRIMCAP_VAR_2222_V	4 Top	3.563	3.307	90.50	84.00	180
C84	C0805	3 Top	1.378	0.709	35.00	18.00	0
C85	C0805	3 Top	4.016	2.087	102.00	53.00	270
C86	C0805	3 Top	4.587	1.870	116.50	47.50	90
C87	C0805	3 Top	2.146	0.276	54.50	7.00	180
C88	C0805	3 Top	4.862	4.173	123.50	106.00	0
C89	C0805	3 Top	4.606	2.028	117.00	51.50	180
C90	C0805	3 Top	2.953	0.650	75.00	16.50	270
C91	C0805	3 Top	2.146	0.709	54.50	18.00	0
C92	C0805	3 Top	5.768	1.752	146.50	44.50	0
C93	C0805	3 Top	2.953	0.453	75.00	11.50	180
C94	C0805	3 Top	3.583	0.315	91.00	8.00	180
C95	C0805	3 Top	6.004	1.752	152.50	44.50	180
C96	C0805	3 Top	5.295	1.595	134.50	40.50	0
C97	C0805	3 Top	5.551	1.437	141.00	36.50	90
C98	C0805	3 Top	3.425	0.315	87.00	8.00	0
C99	C0805	3 Top	4.350	0.362	110.50	9.20	0
C100	C0805	3 Top	5.847	1.417	148.50	36.00	90
C101	C0805	3 Top	5.689	1.201	144.50	30.50	0
C102	C0805	3 Top	4.980	0.343	126.50	8.70	90
C103	C0805	3 Top	5.295	1.319	134.50	33.50	0
C104	C0805	3 Top	4.055	0.866	103.00	22.00	270
C105	C0805	3 Top	4.980	0.748	126.50	19.00	90

C106	C0805	3 Top	4.154	0.866	105.50	22.00	270
C107	C0805	3 Top	5.551	0.610	141.00	15.50	90
C108	C0805	3 Top	4.724	0.787	120.00	20.00	270
C109	CAP-CHEMI-F80	3 Top	3.858	0.827	98.00	21.00	0
C110	C0805	3 Top	5.945	0.610	151.00	15.50	180
C111	C0805	4 Top	2.972	2.618	75.50	66.50	0
C112	C0805	4 Top	2.854	3.504	72.50	89.00	0
C113	C0805	4 Top	3.799	2.697	96.50	68.50	0
C114	C0805	4 Top	3.602	2.933	91.50	74.50	180
C115	C0805	4 Top	3.169	3.465	80.50	88.00	270
C116	C0805	3 Top	5.020	4.508	127.50	114.50	0
C117	C0805	4 Top	3.898	3.602	99.00	91.50	0
C118	C0805	4 Top	3.898	3.150	99.00	80.00	180
C119	C0805	4 Top	4.469	3.150	113.50	80.00	0
C120	C0805	4 Top	4.272	3.465	108.50	88.00	180
C121	C0805	4 Top	4.055	3.284	103.00	83.40	0
C122	NICHICON-WJ-5	4 Top	4.744	3.622	120.50	92.00	90
C123	C0805	4 Top	5.256	3.248	133.50	82.50	180
C124	C0805	4 Top	5.413	3.248	137.50	82.50	180
C125	C0805	4 Top	5.413	3.425	137.50	87.00	180
C126	NICHICON-WJ-5	4 Top	6.063	3.504	154.00	89.00	90
C127	C0805	4 Top	5.669	3.681	144.00	93.50	0
C128	C0805	4 Top	4.803	3.189	122.00	81.00	0
C129	NICHICON-WJ-5	4 Top	5.906	3.780	150.00	96.00	90
C130	NICHICON-WJ-5	4 Top	6.063	4.284	154.00	108.80	0
C131	C0805	4 Top	4.823	3.445	122.50	87.50	0
C132	C0805	4 Top	5.413	3.524	137.50	89.50	180
C133	C0805	4 Top	4.823	3.347	122.50	85.00	0
C134	C0805	4 Top	5.669	4.409	144.00	112.00	0
C135	C0805	4 Top	5.256	3.721	133.50	94.50	0
C136	NICHICON-WJ-5	4 Top	5.906	4.528	150.00	115.00	90
C137	C0805	2 Top	3.878	5.787	98.50	147.00	180
C138	C0805	2 Top	4.626	5.787	117.50	147.00	180
C139	C0805	1 Top	2.539	4.154	64.50	105.50	180
C140	C0805	1 Top	2.835	4.193	72.00	106.50	180
C141	C0805	1 Top	3.858	3.898	98.00	99.00	90
C142	C0805	3 Top	5.413	4.016	137.50	102.00	90
C143	C0805	1 Top	5.315	4.665	135.00	118.50	180
C144	C0805	4 Top	5.413	3.721	137.50	94.50	180
CN1	HDR100-3	1 Top	3.425	4.055	87.00	103.00	180
CN2	ST-3509	1 Top	0.295	1.555	7.50	39.50	180
CN3	HDR100-3	1 Top	4.232	5.217	107.50	132.50	180
CN4	JI-MU3-002	1 Top	6.129	5.127	155.68	130.22	270
CN5	DS-0518	2 Top	5.982	5.806	151.93	147.48	180
CN6	ST-3509	2 Top	0.287	4.039	7.28	102.59	180
CN7	ST-3509	2 Top	0.287	5.123	7.28	130.12	180
D1	SOD523	1 Top	0.730	1.807	18.54	45.90	0
D2	SOD523	2 Top	0.267	3.862	6.77	98.10	180
D3	SOD128	2 Top	5.983	6.155	151.97	156.34	180
D4	SMB	2 Top	4.980	6.181	126.50	157.00	0
D5	SOD128	2 Top	0.863	4.987	21.91	126.66	0
D6	SC79_INFINEON	3 Top	3.169	1.791	80.50	45.50	0
D7	SC79_INFINEON	3 Top	3.055	1.791	77.60	45.50	180
D8	SC79_INFINEON	3 Top	5.768	1.673	146.50	42.50	180

D9	SC79_INFINEON	3 Top	5.768	1.630	146.50	41.40	180
D10	SOT23	3 Top	5.689	1.358	144.50	34.50	270
FB1	FE0805	1 Top	4.476	4.784	113.70	121.50	90
FB2	FE0805	2 Top	1.132	4.545	28.75	115.43	90
FB3	FE0805	2 Top	5.177	5.925	131.50	150.50	180
FB4	FE0805	2 Top	4.626	5.945	117.50	151.00	180
FB5	FE0805	2 Top	1.181	4.882	30.00	124.00	90
FB6	FE0805	3 Top	3.091	1.988	78.50	50.50	270
FB7	FE0805	3 Top	3.307	1.634	84.00	41.50	0
FB8	FE0805	3 Top	2.815	1.949	71.50	49.50	0
FB9	FE0805	3 Top	3.287	1.280	83.50	32.50	90
FB10	FE0805	3 Top	3.425	1.280	87.00	32.50	270
FB11	FE0805	3 Top	3.583	0.453	91.00	11.50	180
FB12	FE0805	3 Top	3.268	0.453	83.00	11.50	180
FB13	FE0805	4 Top	2.815	2.697	71.50	68.50	0
FB14	FE0805	4 Top	2.815	2.972	71.50	75.50	0
FB15	FE0805	4 Top	2.815	2.835	71.50	72.00	0
FB16	FE0805	4 Top	4.469	3.465	113.50	88.00	180
FB17	FE0805	4 Top	4.469	3.307	113.50	84.00	0
FB18	FE0805	4 Top	5.677	3.957	144.20	100.50	0
FB19	FE0805	4 Top	5.748	4.705	146.00	119.50	180
FB20	FE0805	2 Top	3.878	5.945	98.50	151.00	180
J1	JMPR-2PIN	1 Top	2.756	4.567	70.00	116.00	0
J2	HDR100-7	1 Top	4.724	3.976	120.00	101.00	90
J3	JMPR-2PIN	2 Top	1.604	4.461	40.73	113.32	90
J4	CONN-BOOM-XH-2A	2 Top	0.906	5.167	23.00	131.23	180
J5	JMPR-2PIN	2 Top	0.875	4.858	22.23	123.40	90
J6	JMPR-2X2X.1	3 Top	1.535	2.008	39.00	51.00	90
J7	JMPR-2X2X.1	3 Top	2.323	1.988	59.00	50.50	90
J8	JMPR-2X2X.1	3 Top	3.051	1.575	77.50	40.00	90
J9	JMPR-2X2X.1	3 Top	2.500	3.622	63.50	92.00	270
J10	JMPR-2X2X.1	3 Top	0.512	0.807	13.00	20.50	90
J11	JMPR-2X2X.1	3 Top	3.642	1.772	92.50	45.00	90
J12	JMPR-2X2X.1	3 Top	5.925	0.906	150.50	23.00	270
J13	JMPR-2X2X.1	4 Top	4.980	3.169	126.50	80.50	90
J14	JMPR-2X2X.1	4 Top	5.768	3.189	146.50	81.00	180
L1	SRR5028	2 Top	1.339	5.965	34.00	151.50	180
L2	L10X15	3 Top	1.890	1.437	48.00	36.50	0
L3	L10X15	3 Top	2.539	1.358	64.50	34.50	270
L4	L10X15	3 Top	0.728	0.394	18.50	10.00	0
L5	L10X15	3 Top	4.350	1.319	110.50	33.50	90
L6	L10X15	3 Top	1.595	0.394	40.50	10.00	90
L8	L10X15	3 Top	4.291	1.969	109.00	50.00	0
L9	L10X15	3 Top	2.520	0.571	64.00	14.50	0
L10	L10X15	3 Top	5.886	2.028	149.50	51.50	90
L11	L10X15	3 Top	5.000	1.555	127.00	39.50	180
L12	Z15/4	3 Top	3.425	0.787	87.00	20.00	180
L13	Z15/4	3 Top	4.449	0.591	113.00	15.00	0
L14	L10X15	3 Top	5.256	0.728	133.50	18.50	0
L15	Z15/4	3 Top	4.449	0.906	113.00	23.00	0
L16	L10X15	3 Top	5.906	0.276	150.00	7.00	90
L17	L-TDK-MLF2012	4 Top	2.736	3.406	69.50	86.50	180
L18	L-TDK-MLF2012	4 Top	3.740	3.571	95.00	90.70	0
L19	L-TDK-MLF2012	4 Top	5.295	3.350	134.50	85.10	90

L20	L-TDK-MLF2012	4 Top	5.413	3.622	137.50	92.00	270
LED1	LTST-S2200K	1 Top	0.039	3.071	1.00	78.00	0
LED2	LTST-S2200K	1 Top	0.039	2.894	1.00	73.50	0
LED3	LTST-S2200K	1 Top	0.039	2.717	1.00	69.00	0
LED4	LTST-S2200K	1 Top	0.039	2.539	1.00	64.50	0
LED5	SML-LX0603SRW	2 Top	3.264	5.461	82.90	138.70	90
LED6	SML-LX0603SRW	2 Top	3.465	5.472	88.00	139.00	180
LED7	LTST-S2200K	2 Top	0.059	5.650	1.50	143.50	0
LED8	SML-LX0603SRW	2 Top	4.236	5.480	107.60	139.20	180
LED9	SML-LX0603SRW	2 Top	1.134	1.929	28.80	49.00	0
LED10	SML-LX0603SRW	2 Top	1.063	5.492	27.00	139.50	90
LED11	SML-LX0603SRW	2 Top	1.142	1.299	29.00	33.00	0
MIC1	CMA-4544PF-W	2 Top	0.661	4.412	16.80	112.06	180
P6	TPAD50	1 Top	3.445	4.398	87.50	111.70	0
P7	TPAD50	1 Top	3.504	4.398	89.00	111.70	0
P8	TPAD50	1 Top	3.563	4.398	90.50	111.70	0
P9	TPAD50	1 Top	3.622	4.398	92.00	111.70	0
PAD1	MTG-PAD-3.2	1 Top	0.984	6.122	25.00	155.50	0
PAD2	MTG-PAD-3.2	1 Top	5.315	6.122	135.00	155.50	0
PAD3	MTG-PAD-3.2	1 Top	0.984	2.894	25.00	73.50	0
PAD4	MTG-PAD-3.2	1 Top	2.835	3.228	72.00	82.00	0
PAD5	MTG-PAD-3.2	1 Top	6.102	2.776	155.00	70.50	0
PAD6	MTG-PAD-3.2	1 Top	0.374	0.177	9.50	4.50	0
PAD7	MTG-PAD-3.2	1 Top	5.315	0.177	135.00	4.50	0
PCB1	NOPACKAGE	1 Top	-0.039	0.039	-1.00	1.00	0
Q1	SOT23	2 Top	1.134	2.075	28.80	52.70	270
Q2	SOT23	2 Top	1.299	2.083	33.00	52.90	270
Q3	SOT23	2 Top	1.134	1.445	28.80	36.70	270
Q4	SOT23	2 Top	1.299	1.453	33.00	36.90	270
Q5	SOT23	3 Top	1.831	2.776	46.50	70.50	90
Q6	SOT23	3 Top	1.831	3.406	46.50	86.50	270
Q7	SOT23	3 Top	2.028	2.776	51.50	70.50	270
Q8	SOT23	3 Top	2.047	3.406	52.00	86.50	270
Q9	SOT23	3 Top	2.224	2.776	56.50	70.50	270
Q10	SOT23	3 Top	2.264	3.406	57.50	86.50	90
Q11	SOT23	3 Top	1.543	0.866	39.20	22.00	270
Q12	SOT89	3 Top	2.185	0.532	55.50	13.50	90
Q13	SOT89	3 Top	4.587	0.256	116.50	6.50	0
Q14	SOT23	4 Top	3.898	3.465	99.00	88.00	0
Q15	SOT23	4 Top	4.268	3.315	108.40	84.20	0
Q16	SOT23	4 Top	5.941	3.315	150.90	84.20	0
Q17	SOT23	4 Top	5.858	3.563	148.80	90.50	270
R1	R0805	1 Top	0.177	3.071	4.50	78.00	90
R2	R0805	1 Top	0.177	2.894	4.50	73.50	90
R3	R0805	1 Top	0.177	2.717	4.50	69.00	90
R4	R0805	1 Top	0.177	2.539	4.50	64.50	90
R5	R0805	1 Top	3.425	4.193	87.00	106.50	270
R6	R0805	1 Top	3.327	4.193	84.50	106.50	270
R7	R0805	1 Top	2.756	4.764	70.00	121.00	270
R8	R0805	1 Top	4.915	4.868	124.83	123.64	270
R9	R0805	1 Top	3.425	5.217	87.00	132.50	180
R10	R0805	1 Top	3.563	5.217	90.50	132.50	0
R11	R0805	1 Top	3.701	5.217	94.00	132.50	0
R12	R0805	1 Top	4.370	4.784	111.00	121.50	270

R13	R0805	1 Top	3.878	5.236	98.50	133.00	0
R14	R0805	1 Top	4.134	4.134	105.00	105.00	180
R15	R0805	1 Top	4.193	4.606	106.50	117.00	90
R16	R0805	1 Top	5.433	4.941	138.00	125.50	0
R17	R0805	1 Top	0.859	1.850	21.82	46.99	90
R18	R0805	1 Top	5.433	5.043	138.00	128.10	180
R19	R0805	1 Top	3.740	4.193	95.00	106.50	180
R20	R0805	1 Top	0.551	1.782	14.00	45.26	0
R21	R0805	1 Top	5.836	4.955	148.24	125.85	90
R22	R0805	1 Top	0.276	3.327	7.00	84.50	90
R23	R0805	1 Top	0.728	1.476	18.50	37.50	0
R24	R0805	1 Top	5.866	5.295	149.00	134.50	180
R25	R0805	1 Top	5.433	5.150	138.00	130.80	0
R26	R0805	1 Top	5.669	5.295	144.00	134.50	180
R27	R0805	1 Top	0.276	3.602	7.00	91.50	90
R28	R0805	1 Top	3.051	5.217	77.50	132.50	270
R29	R0805	1 Top	3.150	5.217	80.00	132.50	270
R30	R0805	2 Top	3.150	5.453	80.00	138.50	270
R31	R0805	2 Top	1.240	4.606	31.50	117.00	270
R32	R0805	2 Top	1.437	4.469	36.50	113.50	90
R33	R0805	2 Top	1.358	4.606	34.50	117.00	270
R34	R0805	2 Top	3.425	5.591	87.00	142.00	90
R35	R0805	2 Top	1.595	4.606	40.50	117.00	270
R36	R0805	2 Top	2.126	4.449	54.00	113.00	90
R37	R0805	2 Top	2.067	4.606	52.50	117.00	90
R38	R0805	2 Top	2.244	4.449	57.00	113.00	270
R39	POT3361	2 Top	2.469	4.515	62.72	114.68	0
R40	R0805	2 Top	0.217	5.689	5.50	144.50	0
R41	R0805	2 Top	0.886	5.748	22.50	146.00	270
R42	R0805	2 Top	1.949	4.606	49.50	117.00	270
R43	R0805	2 Top	2.146	5.492	54.50	139.50	270
R44	R0805	2 Top	4.193	5.591	106.50	142.00	90
R45	R0805	2 Top	0.315	4.626	8.00	117.50	90
R46	R0805	2 Top	1.134	2.217	28.80	56.30	0
R47	R0805	2 Top	1.299	2.217	33.00	56.30	0
R48	POT-3310C	2 Top	0.004	4.569	0.10	116.06	180
R49	R1206	2 Top	2.165	5.158	55.00	131.00	90
R50	R0805	2 Top	1.299	1.909	33.00	48.50	0
R51	R0805	2 Top	1.555	5.492	39.50	139.50	270
R52	R0805	2 Top	1.673	5.492	42.50	139.50	90
R53	R0805	2 Top	2.047	4.941	52.00	125.50	270
R54	R0805	2 Top	1.134	1.587	28.80	40.30	0
R55	R0805	2 Top	1.098	5.642	27.90	143.30	0
R56	R0805	2 Top	1.299	1.587	33.00	40.30	0
R57	R0805	2 Top	1.299	1.280	33.00	32.50	0
R58	R0805	3 Top	1.654	3.563	42.00	90.50	270
R59	R0805	3 Top	1.772	3.563	45.00	90.50	90
R60	R0805	3 Top	1.654	3.248	42.00	82.50	90
R61	R0805	3 Top	1.654	2.618	42.00	66.50	90
R62	R0805	3 Top	1.772	2.933	45.00	74.50	90
R63	R0805	3 Top	2.008	3.563	51.00	90.50	90
R64	R0805	3 Top	1.890	2.933	48.00	74.50	270
R65	R0805	3 Top	2.126	3.563	54.00	90.50	270
R66	R0805	3 Top	1.772	3.248	45.00	82.50	90

R67	R0805	3 Top	1.772	2.618	45.00	66.50	90
R68	R0805	3 Top	2.008	3.248	51.00	82.50	90
R69	R0805	3 Top	1.890	2.618	48.00	66.50	90
R70	R0805	3 Top	2.126	3.248	54.00	82.50	90
R71	R0805	3 Top	2.484	2.933	63.10	74.50	270
R72	R0805	3 Top	2.126	2.618	54.00	66.50	90
R73	R0805	3 Top	2.244	3.248	57.00	82.50	90
R74	R0805	3 Top	2.362	2.933	60.00	74.50	270
R75	R0805	3 Top	2.362	3.248	60.00	82.50	270
R76	R0805	3 Top	2.126	2.933	54.00	74.50	90
R77	R0805	3 Top	2.244	2.618	57.00	66.50	90
R78	R0805	3 Top	3.307	1.811	84.00	46.00	180
R79	R0805	3 Top	2.815	2.087	71.50	53.00	0
R80	R0805	3 Top	4.862	4.508	123.50	114.50	0
R81	R0805	3 Top	1.043	0.847	26.50	21.50	0
R82	R0805	3 Top	0.847	0.906	21.50	23.00	0
R83	R0805	3 Top	4.862	4.350	123.50	110.50	0
R84	R0805	3 Top	1.378	0.827	35.00	21.00	0
R85	R0805	3 Top	1.909	0.748	48.50	19.00	180
R86	R0805	3 Top	2.146	0.374	54.50	9.50	180
R87	R0805	3 Top	2.146	0.177	54.50	4.50	0
R88	R0805	3 Top	2.146	0.827	54.50	21.00	180
R89	R0805	3 Top	3.425	0.453	87.00	11.50	180
R90	R0805	3 Top	5.256	1.181	133.50	30.00	180
R91	R0805	3 Top	2.953	0.807	75.00	20.50	270
R92	R0805	3 Top	4.350	0.248	110.50	6.30	0
R93	R0805	3 Top	5.551	1.240	141.00	31.50	270
R94	R0805	3 Top	5.847	1.221	148.50	31.00	90
R95	R0805	3 Top	5.295	1.457	134.50	37.00	180
R96	R0805	4 Top	3.661	2.441	93.00	62.00	90
R97	R0805	4 Top	3.563	2.441	90.50	62.00	90
R98	R0805	4 Top	3.406	2.441	86.50	62.00	90
R99	R0805	4 Top	3.799	2.559	96.50	65.00	180
R100	R0805	4 Top	3.799	2.421	96.50	61.50	180
R101	R0805	4 Top	3.957	2.559	100.50	65.00	0
R102	R0805	4 Top	3.957	2.421	100.50	61.50	0
R103	R0805	4 Top	4.055	3.150	103.00	80.00	0
R104	R0805	4 Top	3.898	3.287	99.00	83.50	0
R105	R0805	4 Top	4.055	3.598	103.00	91.40	0
R106	R0805	4 Top	4.055	3.425	103.00	87.00	180
R107	R0805	4 Top	4.272	3.150	108.50	80.00	0
R108	R0805	4 Top	4.469	3.622	113.50	92.00	180
R109	R0805	4 Top	5.413	3.150	137.50	80.00	180
R110	R0805	4 Top	5.669	3.406	144.00	86.50	180
R111	R0805	4 Top	5.945	3.130	151.00	79.50	180
R112	R0805	4 Top	5.669	3.543	144.00	90.00	180
R113	R0805	4 Top	6.102	3.287	155.00	83.50	180
R114	R0805	4 Top	6.122	3.681	155.50	93.50	180
R115	R0805	4 Top	5.669	3.819	144.00	97.00	180
R116	R0805	4 Top	4.646	3.307	118.00	84.00	180
R117	R0805	4 Top	5.669	4.134	144.00	105.00	180
R118	R0805	4 Top	6.122	3.839	155.50	97.50	180
R119	R0805	4 Top	5.669	4.252	144.00	108.00	180
R120	R0805	4 Top	5.669	4.547	144.00	115.50	180

R121	R0805	3 Top	5.020	4.173	127.50	106.00	0
R122	R0805	3 Top	5.020	4.055	127.50	103.00	0
R123	R0805	1 Top	5.315	4.764	135.00	121.00	0
R124	R0805	1 Top	2.539	4.252	64.50	108.00	180
R125	R0805	1 Top	2.835	4.291	72.00	109.00	0
R126	R0805	1 Top	3.701	3.898	94.00	99.00	270
R127	R0805	3 Top	5.276	4.016	134.00	102.00	90
S1	SGND	1 Top	2.165	1.221	55.00	31.00	90
S2	SGND	1 Top	2.165	1.634	55.00	41.50	90
S3	SGND	1 Top	5.394	1.201	137.00	30.50	90
S4	SGND	1 Top	4.843	0.906	123.00	23.00	90
S5	SGND	1 Top	4.587	1.595	116.50	40.50	180
S6	SGND	1 Top	4.724	1.201	120.00	30.50	90
S8	SGND	1 Top	5.532	0.413	140.50	10.50	270
S9	SGND	1 Top	0.177	0.965	4.50	24.50	90
S10	SGND	1 Top	0.177	0.138	4.50	3.50	90
S11	SGND	1 Top	1.221	0.965	31.00	24.50	90
S12	SGND	1 Top	1.221	0.138	31.00	3.50	90
S14	SGND	1 Top	1.969	0.138	50.00	3.50	90
S15	SGND	1 Top	2.795	0.965	71.00	24.50	270
S16	SGND	1 Top	2.795	0.138	71.00	3.50	270
S17	SGND	1 Top	3.071	0.965	78.00	24.50	90
S18	SGND	1 Top	3.071	0.138	78.00	3.50	90
S20	SGND	1 Top	4.843	0.138	123.00	3.50	90
S21	SGND	1 Top	1.614	1.791	41.00	45.50	180
S22	SGND	1 Top	2.165	1.791	55.00	45.50	180
S23	SGND	1 Top	2.913	1.221	74.00	31.00	270
S24	SGND	1 Top	2.913	1.457	74.00	37.00	90
S25	SGND	1 Top	3.898	1.201	99.00	30.50	90
S26	SGND	1 Top	1.969	0.965	50.00	24.50	90
S27	SGND	1 Top	4.724	1.713	120.00	43.50	90
S28	SGND	1 Top	5.394	1.791	137.00	45.50	90
S29	SGND	1 Top	5.394	2.185	137.00	55.50	90
S30	SGND	1 Top	6.161	1.555	156.50	39.50	180
S31	SGND	1 Top	5.532	0.138	140.50	3.50	270
S35	SGND	1 Top	1.516	1.634	38.50	41.50	90
S36	SGND	1 Top	1.516	1.221	38.50	31.00	90
S37	SGND	1 Top	4.114	1.595	104.50	40.50	180
S38	SGND	1 Top	3.898	1.713	99.00	43.50	90
S39	SGND	1 Top	3.898	2.165	99.00	55.00	90
S40	SGND	1 Top	4.724	2.185	120.00	55.50	90
S43	SGND	1 Top	5.689	1.555	144.50	39.50	0
SH1	NOPACKAGE	1 Top	-0.039	0.000	-1.00	0.00	0
SH2	NOPACKAGE	2 Top	-0.039	0.118	-1.00	3.00	0
SH3	NOPACKAGE	2 Top	-0.039	0.079	-1.00	2.00	0
SP1	SCOPE_PAD	4 Top	5.850	4.055	148.60	103.00	180
SP2	SCOPE_PAD	2 Top	4.488	5.197	114.00	132.00	90
SP3	SCOPE_PAD	4 Top	3.228	3.169	82.00	80.50	270
SP4	SCOPE_PAD	2 Top	0.512	4.744	13.00	120.50	90
SP5	SCOPE_PAD	3 Top	5.276	4.252	134.00	108.00	180
SP6	SCOPE_PAD	4 Top	2.992	2.441	76.00	62.00	270
SP7	SCOPE_PAD	4 Top	4.213	2.913	107.00	74.00	90
SP8	SCOPE_PAD	4 Top	4.213	2.717	107.00	69.00	90
SP9	SCOPE_PAD	2 Top	5.571	5.866	141.50	149.00	0

SW1	TS-02B	1 Top	4.852	5.123	123.23	130.12	90
SW2	SW-LC2259	1 Top	0.512	2.028	13.00	51.50	0
SW3	TS-026	1 Top	0.079	3.341	2.00	84.86	90
SW4	TS-026	1 Top	0.079	3.622	2.00	92.01	90
SW5	SW-LC2259	2 Top	0.512	5.965	13.00	151.50	0
U1	LQFP100-14	1 Top	3.661	4.606	93.00	117.00	90
U2	SOT23-5L	1 Top	5.650	5.118	143.50	130.00	90
U3	ECOPACK-11	1 Top	5.834	5.115	148.17	129.92	90
U4	SOIC8	1 Top	2.854	5.098	72.50	129.50	0
U5	DPAK	2 Top	2.815	5.650	71.50	143.50	0
U6	SOT223	2 Top	3.563	5.866	90.50	149.00	90
U7	SOT23-6	2 Top	1.850	4.449	47.00	113.00	90
U8	SOT223	2 Top	4.331	5.866	110.00	149.00	90
U9	PSO-DDA	2 Top	1.831	5.650	46.50	143.50	270
U10	SO08	2 Top	1.748	5.045	44.41	128.14	0
U11	ADE-1	3 Top	1.949	2.047	49.50	52.00	0
U12	DF782	3 Top	3.583	1.555	91.00	39.50	270
U13	SOT23-6	3 Top	5.020	4.350	127.50	110.50	0
U14	MSOP10	4 Top	3.602	2.717	91.50	69.00	180
U15	SI570	4 Top	3.287	2.717	83.50	69.00	270
U16	SO-08	4 Top	5.118	3.484	130.00	88.50	90
X1	BU-SMA-H	3 Top	6.083	1.339	154.50	34.00	0
XTAL1	CTS-405	1 Top	4.429	4.547	112.50	115.50	270
XTAL2	CTS-405	4 Top	3.858	2.913	98.00	74.00	0
XTAL3	HC49U	4 Top	2.933	3.661	74.50	93.00	180
XTAL4	HC49U	4 Top	3.406	3.661	86.50	93.00	0