

CUSTOMER NAME: Microsemi(Actel)			
DATE: 06/29/		ICICLE Kit	
Sno	Quanti	Reference	Part
1	48	TP1,THMDA1,RCLK1_VSC,FIBR	TP_SMD
2	4	CR1,CR2,CR3,CR4	PGB1010603MR
3	44	C3,C4,C5,C6,C7,C8,C9,C10,C11,C	0.01uF/16V
4	150	C12,C14,C16,C18,C22,C23,C24,C	0.1uF/16V
5	9	C21,C39,C41,C58,C59,C508,C509	10uF/10V
6	8	C184,C185,C186,C187,C188,C18	0.1uF/16V
6.1	8	C60,C61,C68,C69,C76,C77,C78,	0R
7	4	C62,C67,C70,C75	1000pF/3KV
8	9	C63,C64,C65,C66,C71,C72,C73,C	0.1uF/50V
9	2	C81,C594	1uF/10V
10	1	C82	1uF/16V/10%/X7
11	1	C83	1uF/16V/NL
12	47	C85,C86,C91,C92,C96,C97,C99,C	0.1uF/16V
13	3	C87,C95,C135	10uF/16V
14	3	C88,C94,C137	10uF/16V/NL
15	8	C89,C90,C93,C98,C126,C127,C12	1uF/16V
16	2	C175,C182	0.01uF/16V
17	6	C179,C180,C259,C553,C679,C88	10uF/10V
18	1	C181	10uF/25V
19	3	C194,C196,C204	10uF/10V/NL
20	5	C195,C197,C200,C201,C205	1uF/10V
21	3	C202,C590,C591	4.7uF/10V
22	4	C232,C233,C739,C740	22pF/50V
23	5	C236,C239,C506,C671,C767	1uF/10V
24	2	C238,C744	2.2uF/16V
25	11	C243,C244,C536,C555,C576,C58	10uF/16V
26	2	C245,C749	150uF/16V
27	6	C258,C515,C546,C567,C580,C59	1uF/16V
28	1	C265	1uF/10V/NL
29	8	C277,C282,C288,C292,C538,C56	4.7uF/16V
30	63	C305,C307,C308,C309,C310,C	0.1uF/16V/NL
31	6	C306,C354,C359,C375,C386,C42	1000pF/50V
32	11	C311,C342,C346,C349,C362,C37	0.01uF/16V
33	28	C313,C315,C320,C322,C323,C34	0.1uF/16V
34	1	C325	1uF/4V
35	7	C329,C334,C370,C398,C437,C44	10uF/10V
36	2	C331,C332	0.047uF/10V
37	8	C335,C340,C374,C390,C403,C	47uF/10V/NL
38	2	C338,C368	0.022uF/10V
39	10	C343,C344,C347,C348,C405,C	0.01uF/16V/NL
40	9	C357,C366,C367,C379,C382,C	10uF/10V/NL
41	13	C363,C369,C372,C373,C384,C41	47uF/10V

PAC JOB NUMBER:305-PD-20-XXXX	
REV: 1.0	
PCB FootPrint	PartNumber
SMD_40	
PGB1010603MR	PGB1010603MR
C0402	GRM155R71C103KA01D
C0402	GRM155R71C104KA88D
C0805	GRM21BR71A106KA73K
0402_HS	GRM155R71C104KA88D
0402_HS	ERJ-2GE0R00X
C1812	1812HC102KAT1A
C0603	CL10B104KB8NNNL
BGA0402	CC0402KRX5R6BB105
C0603	GCM188R71C105KA64D
C0402	CL05A105KO5NNNC
BGA0402	GRM155R71C104KA88D
CASE-A	T491A106K016AT
CASE-A	T491A106K016AT
C0603	CL10B105KO8NNNC
BGA0402	GRM155R71C103KA01D
C0603	GRM188R61A106KE69J
C1206	CL31A106KAHNNNE
C0603	GRM188D71A106MA73D
C0306	LWK107BJ105MVHT
C0402	CL05A475KP5NRNC
C0402	GRM1555C1H220JA01J
C0402	CC0402KRX5R6BB105
C0805	CL21B225KOFNFNE
C0805	CL21B106KOQNNNE
CC Radial	EEE-FK1C151XP
C0402	CL05A105KO5NNNC
BGA0402	CC0402KRX5R6BB105
C0603	CL10A475KO8NNNC
BGA0201	GRM033C71C104KE14D
BGA0201	GRM033R71H102KA12D
BGA0201	GRM033R71C103KE14D
BGA0201	GRM033C71C104KE14D
BGA0201	AMK063AC6105KP-F
C0603	GRM188D71A106KA73D
BGA0201	GRM033C81A473KE05D
C1206	GRT31CR61A476KE13L
BGA0201	C0603X7S1A223K030BC
BGA0201	GRM033R71C103KE14D
C0603	GRM188D71A106KA73D
C1206	GRT31CR61A476KE13L

DVP NUMBER: DVP-102-000536-001

Description	Manufacturer
TVS DIODE 24VWM 150VC 0603	Littelfuse Inc.
CAP CER 0.01UF 16V 10% X7R 04	Murata Electronics
CAP CER 0.1UF 16V X7R 0402	Murata Electronics
CAP CER 10UF 10V X7R 0805	Murata Electronics
CAP CER 0.1UF 16V X7R 0402	Murata Electronics
RES SMD 0 OHM JUMPER 1/10W 0	Panasonic Electronic Components
CAP CER 1000PF 3KV X7R 1812	AVX Corporation
CAP CER 0.1UF 50V X7R 0603	Samsung Electro-Mechanics
CAP CER 1UF 10V X5R 0402	Yageo
CAP CER 1UF 16V X7R 0603	Murata Electronics
CAP CER 1UF 16V X5R 0402	Samsung Electro-Mechanics
CAP CER 0.1UF 16V X7R 0402	Murata Electronics
CAP TANT 10UF 16V 10% 1206	KEMET
CAP TANT 10UF 16V 10% 1206	KEMET
CAP CER 1UF 16V X7R 0603	Samsung Electro-Mechanics
CAP CER 0.01UF 16V 10% X7R 04	Murata Electronics
CAP CER 10UF 10V X5R 0603	Murata Electronics
CAP CER 10UF 25V X5R 1206	Samsung Electro-Mechanics
CAP CER 10UF 10V X7T 0603	Murata Electronics
CAP CER 1UF 10V X5R 0306	Taiyo Yuden
CAP CER 4.7UF 10V X5R 0402	Samsung Electro-Mechanics
CAP CER 22PF 50V C0G/NP0 0402	Murata Electronics
CAP CER 1UF 10V X5R 0402	Yageo
CAP CER 2.2UF 16V X7R 0805	Samsung Electro-Mechanics
CAP CER 10UF 16V X7R 0805	Samsung Electro-Mechanics
CAP ALUM 150UF 20% 16V SMD	Panasonic Electronic Components
CAP CER 1UF 16V X5R 0402	Samsung Electro-Mechanics
CAP CER 1UF 10V X5R 0402	Yageo
CAP CER 4.7UF 16V X5R 0603	Samsung Electro-Mechanics
CAP CER 0.1UF 16V X7S 0201	Murata Electronics
CAP CER 1000PF 50V X7R 0201	Murata Electronics
CAP CER 10000PF 16V X7R 0201	Murata Electronics
CAP CER 0.1UF 16V X7S 0201	Murata Electronics
CAP CER 1UF 4V X6S 0201	Taiyo Yuden
CAP CER 10UF 10V X7T 0603	Murata Electronics
CAP CER 0.047UF 10V X6S 0201	Murata Electronics
CAP CER 47UF 10V X5R 1206	Murata Electronics
CAP CER 0.022UF 10V X7S 0201	TDK Corporation
CAP CER 10000PF 16V X7R 02	Murata Electronics
CAP CER 10UF 10V X7T 0603	Murata Electronics
CAP CER 47UF 10V X5R 1206	Murata Electronics

Comments	HTSUS	ECN	COO
Not a part			
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	8532.24.0020	EAR99	CHINA
	8532.24.0020	EAR99	CHINA
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S	8533.21.0030	EAR99	CHINA
	8532.24.0020	EAR99	
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	8532.21.0050	EAR99	
Do not load	8532.21.0050	EAR99	
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Do not load	8532.23.0020	EAR99	
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	8532.24.0020	EAR99	
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	8532.24.0020	EAR99	CHINA
Do not load	8532.24.0020	EAR99	
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Do not load	8532.24.0020	EAR99	
Do not load	8532.24.0020	EAR99	
	8532.24.0020	EAR99	

42	4	C389,C409,C411,C423	4.7nF/25V
43	1	C395	100uF/6.3V/NL
44	2	C402,C406	22uF/16V/NL
45	2	C408,C879	330uF/10V
46	1	C417	1uF/6.3V/NL
47	2	C471,C520	NL
48	6	C472,C477,C480,C518,C521,C52	4.7uF/50V
49	8	C473,C474,C485,C488,C516,C52	0.1uF/50V
50	2	C475,C519	220uF/35V/NL
51	2	C476,C517	220uF/35V
52	2	C478,C523	22nF/50V
53	2	C481,C526	NL
54	1	C482	560uF/16V
54.1	1	C527	560uF/10V
55	2	C483,C528	100uF/10V
56	3	C484,C504,C529	1000pF/50V
57	5	C486,C487,C502,C531,C532	2.2uF/16V
58	5	C489,C534,C558,C603,C883	NL
59	4	C490,C491,C493,C494	22uF/16V
60	1	C495	470uF/16V
61	1	C499	220uF/6.3V/NL
62	1	C500	0.01uF/50V
63	1	C501	100pF/50V
64	1	C503	39pF/50V
65	1	C505	470pF/50V
66	1	C512	4.7uF/6.3V
67	2	C513,C514	10uF/6.3V
68	3	C537,C569,C582	10uF/16V/NL
69	4	C539,C573,C586,C599	33pF/50V
70	8	C541,C542,C570,C574,C583,C58	22uF/10V
71	2	C543,C584	4.7uF/10V/NL
72	4	C544,C575,C588,C598	2.2nF/50V
73	2	C545,C577	0.1uF/16V/NL
74	2	C556,C786	100uF/6.3V
75	1	C557	0.33uF/10V
76	1	C571	NL
77	5	C606,C607,C609,C621,C688	10uF/6.3V
78	3	C665,C667,C669	0.1uF/16V
79	3	C666,C668,C670	22uF/10V
80	2	C672,C673	30pF/50V
81	1	C675	100uF/6.3V
82	3	C676,C686,C736	10uF/10V
83	3	C680,C681,C738	10uF/10V
84	2	C682,C683	47uF/6.3V
85	1	C684	330uF/4V

BGA0201	GRM033R71E472KE14D
TCJA107M006R0150	TCJA107M006R0150
ST3528	T491B226M016AT
ST7343	T495D337K010ATE150
C0306	LLL185C70J105ME14L
C1206	
C1206	UMK316AB7475KL-T
C0402	UMK105B7104KV-FR
CAP_AL_10P3X10P3MM	EEH-ZA1V221P
CAP_AL_10P3X10P3MM_EEH	EEH-ZA1V221P
C0402	GCM155R71H223KA55D
C1210	
CAP_ALUM_THT_8MM_SEPG	16SEPG560M
CAP_ALUM_THT_10MM_SEQ	10SEQP560M
C1210	CL32A107MPVNNNE
C0402	GCM155R71H102KA37D
C0603	EMK107BJ225KA-T
C0603	
C0805	CL21A226KOQNNNE
CAP_AL_10P3MM_PCG1C4	PCG1C471MCL1GS
CAP_TAN_C_TPSC	TPSC227K006R0070
C0402	CL05B103KB5NNNC
C0402	04025A101JAT4A
C0402	CL05C390JB5NNNC
C0402	GCM1555C1H471JA16D
C0402	CL05A475KQ5NRNC
C0402	GRM155R60J106ME15D
C0805	CL21B106KOQNNNE
C0402	GCM1555C1H330JA16J
C0603	CL10A226MPCNUBE
C0603	CL10A475KP8NNNC
C0402	GCM155R71H222KA37D
C0603	GCJ188R71C104KA01D
C1210	JMK325ABJ107MM-P
C0402	CL05A334KP5NNNC
C0805	
C0603	JMK107ABJ106KA-T
BGA0402_FP6	GRM155R71C104KA88D
C0805	GRM219R61A226MEA0D
C0402	GRM1555C1H300JA01D
TCJA107M006R0150	TCJA107M006R0150
C0603	ZRB18AD71A106KE01L
C0603	GRM188R61A106KE69D
C0805	JMK212BBJ476MG-T
TCJY337M004R0040	TCJY337M004R0040

CAP CER 4700PF 25V X7R 0201	Murata Electronics
CAP TANT POLY 100UF 6.3V 12	AVX Corporation
CAP TANT 22UF 20% 16V 1411	Kemet
CAP TANT 330UF 10% 10V 2917	Kemet
CAP CER 1UF 6.3V X7S 0306	Murata Electronics
CAP CER 4.7UF 50V X7R 1206	Taiyo Yuden
CAP CER 0.1UF 50V X7R 0402	Taiyo Yuden
HYBRID SMD 35V220UF 105DE	Panasonic Electronic Compo
HYBRID SMD 35V220UF 105DEGC	Panasonic Electronic Components
CAP CER 0.022UF 50V X7R 0402	Murata Electronics
OSCON 16V 560UF 6.1A THT	Panasonic Electronic Components
OSCON 16V 560UF 6.1A THT	Panasonic Electronic Components
CAP CER 100UF 10V X5R 1210	Samsung Electro-Mechanics
CAP CER 1000PF 50V X7R 0402	Murata Electronics
CAP CER 2.2UF 16V X5R 0603	Taiyo Yuden
CAP CER 22UF 16V X5R 0805	Samsung Electro-Mechanics
CAP ALUM POLY 470UF 20% 16V S	Nichicon
CAP TANT 220UF 10% 6.3V 23	AVX Corporation
CAP CER 10000PF 50V X7R 0402	Samsung Electro-Mechanics
CAP CER 100PF 50V C0G/NP0 0402	AVX Corporation
CAP CER 39PF 50V C0G/NP0 0402	Samsung Electro-Mechanics
CAP CER 470PF 50V C0G/NP0 0402	Murata Electronics
CAP CER 4.7UF 6.3V X5R 0402	Samsung Electro-Mechanics
CAP CER 10UF 6.3V X5R 0402	Murata Electronics
CAP CER 10UF 16V X7R 0805	Samsung Electro-Mechanics
CAP CER 33PF 50V C0G/NP0 0402	Murata Electronics
CAP CER 22UF 10V X5R 0603	Samsung Electro-Mechanics
CAP CER 4.7UF 10V X5R 0603	Samsung Electro-Mechanics
CAP CER 2200PF 50V X7R 0402	Murata Electronics
CAP CER 0.1UF 16V X7R 0603	Murata Electronics
CAP CER 100UF 6.3V X5R 1210	Taiyo Yuden
CAP CER 0.33UF 10V X5R 0402	Samsung Electro-Mechanics
CAP CER 10UF 6.3V X5R 0603	Taiyo Yuden
CAP CER 0.1UF 16V X7R 0402	Murata Electronics
CAP CER 22UF 10V X5R 0805	Murata Electronics
CAP CER 30PF 50V C0G/NP0 0402	Murata Electronics
CAP TANT POLY 100UF 6.3V 1206	AVX Corporation
CAP CER 10UF 10V X7T 0603	Murata Electronics
CAP CER 10UF 10V X5R 0603	Murata Electronics
CAP CER 47UF 6.3V X5R 0805	Taiyo Yuden
CAP TANT POLY 330UF 4V 2917	AVX Corporation

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Do not load	8532.21.0050	EAR99	
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Do not load	8532.24.0020	EAR99	
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	8532.24.0020	EAR99	
	8532.21.0050	EAR99	

86	1	C685	220uF/4V
87	20	C689,C691,C695,C697,C698,C69	0.1uF/16V
88	21	C690,C692,C696,C700,C702,C70	0.01uF/16V
89	1	C742	2.2uF/10V
90	1	DS2	LTST-C171KGKT
91	1	DS14	LTST-C171TBKT
92	1	D1	SP0503BAHTG
93	1	D3	SD2114S040S8R
94	2	D4,D6	SD101AWS-E3-0
95	2	D5,D7	CMDZ5L6
96	2	D8,D9	PMEG3050EP,11
97	1	FB1	120ohm/30mO
98	1	FB2	470ohm/100Mhz
99	1	FB3	50ohm/100Mhz/
100	10	GND1,GND2,GND3,GND4,GND5,G	TP_BLK
101	2	J1,J2	615008137421
102	1	J3	HEADER/1X5/N
103	1	J6	10025026-1010
104	2	J8,J44	PPTC081LFBN-R
105	3	J9,J21,J31	HEADER/1x2
106	1	J10	HEADER/5X2/10
107	3	J11,J16,J33	USB_MICRO_A
108	3	J12,J13,J19	HDR1X1
109	2	J15,J17	HEADER/1x2
110	1	J23	FP4 HDR 5x2
111	1	J24	HEADER_1x2
112	2	J25,J27	HEADER/3X1
113	1	J26	HDR/20X2/100
114	1	J28	HEADER/1x2
115	1	J29	PJ-102BH
116	1	J30	10067847-001R
117	2	J34,J35	HDR_1X3_100
118	2	J43,J45	HEADER/3X1
119	2	J46,J47	HEADER/1x2/1
120	8	LD1,LD2,LD3,LD4,LD5,LD6,LD7,L	GRN/2V/20mA
121	4	LED1,LED2,LD9,LD11	RED/2V/20mA
122	4	LED3,LED4,LD10,LD12	YEL/2.1V/20mA
123	1	LED5	XZMDKVG55W-4
124	2	L7,L11	2.2uH/34A/2.8m
125	1	L8	1uH/12A/6.2mO
126	4	L9,L12,L13,L14	0.33uH/20%/8
127	2	Q3,Q4	FCX619TA
128	3	R1,R257,R432	240R/1%
129	9	R2,R3,R46,R135,R194,R205,R242	1K/1%
130	9	R4,R9,R10,R11,R12,R17,R18,R19,	1K/1%

T520B227M004ATE070	T520B227M004ATE070
BGA0402_FP6	GCM155R71C104KA55J
BGA0402_FP6	GRM155R71C103KA01D
C0402	GRM155R61A225KE95D
L-0805	LTST-C171KGKT
L-0805	LTST-C171TBKT
SOT143_SP0503BAHTG	SP0503BAHTG
SD2114S040S8R0	SD2114S040S8R0
SOD323_SD101A	SD101AWS-E3-08
SOD323_CMDZ5	CMDZ5L6 TR
SOD128_PMEG3050	PMEG3050EP,115
L1206	742792113
FB0603	BLM18PG471SN1D
FB1206	BLM31PG500SN1L
TP_5011	5011
RJ45_8P8C_RA_615008	615008137421
HDR_5X1_100MIL_613005	61300511121
PCIE_X16_10025026_STRAD	10025026-10103TLF
RCP_1X8_100MIL_PPTC08	PPTC081LFBN-RC
1X2HDR_100MIL_613002	61300211121
HDR_5X2	HTSW-105-08-F-D
USB_MCR_AB_RECEP_629	629105150921
HDR_1X1_61300	61300111121
1X2HDR_100MIL_613002	61300211121
FP4_HDR_5x2	HTST-105-01-L-DV-A
1X2HDR_100MIL_613002	61300211121
HDR_3X1_100mil_613	61300311121
HDR_20X2_100MIL_61304	61304021121
1X2HDR_100MIL_613002	61300211121
PJ-102BH	PJ-102BH
CON_10067847-001RLF	10067847-001RLF
HDR_1X3_100MIL_TSW	HTSW-103-08-G-S
HDR_3X1_100mil_613	61300311121
HDR_1X2_100MIL_TSW	HTSW-102-08-G-S
LED_1206	LTST-C150GKT
LED_0603	LTST-C191KRKT
LED_0603	LTST-C191KSKT
LED1206	XZMDKVG55W-4
IND_XAL1010-222	XAL1010-222MEB
IND_6P8MMSQ_HCP0704	HCP0704-1R0-R
IND_4X4P5MM_74437	744373240033
SOT-89_FCX619	FCX619TA
R0402	RC0402FR-07240RL
R0402	RC0402FR-071KL
R0603	RC0603FR-071KL

CAP TANT POLY 220UF 4V 3528	KEMET
CAP CER 0.1UF 16V X7R 0402	Murata Electronics
CAP CER 10000PF 16V X7R 0402	Murata Electronics
CAP CER 2.2UF 10V X5R 0402	Murata Electronics
LED GREEN CLEAR 0805 SMD	Lite-On Inc.
LED BLUE CLEAR 0805 SMD	Lite-On Inc.
TVS DIODE 5.5VWM 8.5VC SOT143	Littelfuse Inc.
DIODE SCHOTTKY 40V 8A SMB	AVX Corporation
DIODE SCHOTTKY 150MW 60V SO	Vishay Semiconductor Diodes Division
DIODE ZENER 5.6V 250MW SOD32	Central Semiconductor Corp
DIODE SCHOTTKY 30V 5A SOD128	Nexperia USA Inc.
FERRITE BEAD 120 OHM 1206	Würth Elektronik
FERRITE BEAD 470 OHM 0603 1LN	Murata Electronics
FERRITE BEAD 50 OHM 1206 1LN	Murata Electronics
PC TEST POINT MULTIPURPOSE BL	Keystone Electronics
CONN MOD JACK 8P8C R/A SHI	Würth Elektronik
CONN HEADER VERT 5POS 2.5	Würth Elektronik
CONN PCI EXP FEMALE 164POS 0.	Amphenol ICC (FCI)
CONN HDR 8POS 0.1 TIN PCB	Sullins Connector Solutions
CONN HEADER VERT 2POS 2.5	Würth Elektronik
CONN HEADER VERT 10POS 2.54M	Samtec Inc.
CONN RCPT USB2.0 MICRO AB	Würth Elektronik
CONN HEADER VERT 1POS	Würth Elektronik
CONN HEADER VERT 2POS 2.5	Würth Elektronik
CONN HEADER SMD 10POS 2.54M	Samtec Inc.
CONN HEADER VERT 2POS 2.5	Würth Elektronik
CONN HEADER VERT 3POS 2.5	Würth Elektronik
CONN HEADER VERT 40POS 2.	Würth Elektronik
CONN HEADER VERT 2POS 2.5	Würth Elektronik
CONN PWR JACK 2.5X5.5MM HIGH	CUI Inc
ICC (FCI) CONN SD CARD PUSH-P	Amphenol
CONN HEADER VERT 3POS 2.5	Samtec Inc.
CONN HEADER VERT 3POS 2.5	Würth Elektronik
CONN HEADER VERT 2POS 2.5	Samtec Inc.
LED GREEN CLEAR 1206 SMD	Lite-On Inc.
LED RED CLEAR SMD	Lite-On Inc.
LED YELLOW CLEAR SMD	Lite-On Inc.
LED GREEN/RED CLEAR 2SMD	SunLED
Fixed Inductors 2.2uH 20% 34A 2.	Coilcraft
FIXED IND 1UH 12A 6.2 MOHM SM	Eaton
FIXED IND 330NH 8A 8.6 MOH	Würth Elektronik
TRANS NPN 50V 3A SOT-89	Diodes Incorporated
RES SMD 240 OHM 1% 1/16W 040	Yageo
RES SMD 1K OHM 1% 1/16W 0402	Yageo
RES SMD 1K OHM 1% 1/10W 0603	Yageo

	8532.21.0050	EAR99	CHINA
	8532.24.0020	EAR99	
	8532.24.0020	EAR99	CHINA
	8532.24.0020	EAR99	
	8541.40.2000	EAR99	CHINA
	8541.40.2000	EAR99	CHINA
	8541.10.0080	EAR99	CHINA
	8541.10.0080	EAR99	
vision	8541.10.0070	EAR99	CHINA
	8541.10.0050	EAR99	
	8541.10.0080	EAR99	
Wurth supplied	8548.90.0100	EAR99	
	8548.90.0100	EAR99	
	8548.90.0100	EAR99	
	8536.69.4040	EAR99	CHINA
Wurth supplied	8536.69.4040	EAR99	CHINA
Do not load	8536.69.4040	EAR99	
	8536.69.4040	EAR99	CHINA
	8536.69.4040	EAR99	
Wurth supplied, Default = OPE	8536.69.4040	EAR99	
	8536.69.4040	EAR99	
Wurth supplied	8536.69.4040	EAR99	CHINA
Wurth supplied	8536.69.4040	EAR99	
Wurth supplied, Default Jumper	8536.69.4040	EAR99	
	8536.69.4040	EAR99	
Wurth supplied, Default Jumper	8536.69.4040	EAR99	
Wurth supplied	8536.69.4040	EAR99	
Wurth supplied	8536.69.4040	EAR99	
Wurth supplied, Default Jumper	8536.69.4040	EAR99	
	8536.69.4040	EAR99	CHINA
	8536.69.4040	EAR99	CHINA
Default = 1&2	8536.69.4040	EAR99	
Wurth Supplied, Default = 1&2	8536.69.4040	EAR99	
Default = OPEN, Bag & Tag	8536.69.4040	EAR99	
	8541.40.2000	EAR99	CHINA
	8541.40.2000	EAR99	CHINA
	8541.40.2000	EAR99	CHINA
	8541.40.2000	EAR99	CHINA
	8504.50.4000	EAR99	
	8504.50.4000	EAR99	
Wurth supplied	8504.50.4000	EAR99	CHINA
	8541.29.0095	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA

131	8	R5,R6,R7,R8,R13,R14,R15,R16	75R/1%
132	27	R20,R21,R22,R23,R76,R78,R86,R	4.7K/1%
133	1	R24	2K/1/16W/1%
134	55	R28,R37,R38,R39,R102,R103,R10	10K/1%
135	34	R29,R30,R31,R32,R40,R42,R4	0R/NL
136	49	R33,R34,R35,R41,R43,R45,R73,R	0R
136	1	R344	0R/NL
137	1	R36	33R/1%
138	3	R47,R195,R380	1K/1%/NL
139	2	R48,R505	NL
140	2	R50,R172	464R/1%
141	1	R91	4.75K/NL
142	12	R104,R126,R215,R295,R369,R	10K/1%/NL
143	28	R108,R109,R228,R235,R258,R26	39R/5%
144	2	R114,R115	0R
145	8	R118,R120,R122,R124,R191,R19	22R/1%
146	4	R132,R134,R148,R149	4.7K/1%/NL
147	2	R154,R434	1M/5%
148	6	R155,R180,R324,R355,R363,R435	10R/0.1W
149	1	R156	470R/1%
150	2	R161,R443	287K/1%
151	2	R162,R444	8.06K/1%
152	2	R163,R442	27R/1%
153	2	R164,R445	1K/1%/1W
154	7	R169,R196,R217,R218,R219,R22	100K/1%
155	2	R171,R452	0R/0.5W
156	1	R182	316K/1%
157	1	R190	4.7K/1%
158	1	R198	221K/1%
159	8	R206,R207,R208,R209,R210,R21	49.9K
160	2	R223,R232	432R/1%
161	3	R226,R233,R502	120R
162	2	R231,R236	182R
163	4	R237,R238,R239,R240	68K/1%
164	9	R241,R243,R244,R245,R247,R25	432R/1%
165	4	R246,R249,R250,R261	2K/1%
166	4	R251,R260,R266,R272	499R/1%
167	1	R275	33K/1%
168	1	R276	4.7R/1%
169	2	R277,R358	22K/1%
170	1	R278	1.5K/1%
171	2	R279,R312	1.21R/0.1W
172	2	R280,R313	1.21R/0.25W
173	2	R281,R314	10K/1%/0.1W
174	2	R283,R316	5.23K/1%

R0603	RC0603FR-0775RL
R0402	RC0402FR-074K7L
R0402	RC0402FR-072KL
R0402	RC0402FR-0710KL
R0402	ERJ-2GE0R00X
R0402	ERJ-2GE0R00X
R0402	ERJ-2GE0R00X
R0402	ERJ-2RKF33R0X
R0402	RC0402FR-071KL
R0402	
R0402	RC0402FR-07464RL
R0402	MCS04020C4751FE000
R0402	RC0402FR-0710KL
R0402	ERJ-2GEJ390X
0402_HS	ERJ-2GE0R00X
R0402	RC0402FR-0722RL
R0402	RC0402FR-074K7L
R0402	CRCW04021M00JNED
R0402	ERJ-2RKF10R0X
R0603	RC0603FR-07470RL
R0402	RC0402FR-07287KL
R0402	RC0402FR-078K06L
R0402	CRCW040227R0FKED
R2512	RMCF2512FT1K00
R0402	RC0402FR-07100KL
R1210	RC1210JR-070RL
R0402	ERJ-2RKF3163X
BGA0402	RC0402FR-074K7L
R0402	ERJ-2RKF2213X
R0402	RC0402FR-0749K9L
R0603	RC0603FR-07432RL
R0402	RC0402FR-07120RL
R0603	RC0603FR-07182RL
R0402	RC0402FR-0768KL
R0402	RC0402FR-07432RL
R0402	RC0402FR-072KL
R0402	RC0402FR-07499RL
R0402	RC0402FR-0733KL
R0805	RC0805FR-074R7L
R0402	RC0402FR-0722KL
R0402	ERJ-2RKF1501X
R0603	CRCW06031R21FKEA
R1206	RC1206FR-071R21L
R0402	ERJ-2RKF1002X
R0402	RC0402FR-075K23L

RES SMD 75 OHM 1% 1/10W 0603	Yageo
RES SMD 4.7K OHM 1% 1/16W 04	Yageo
RES SMD 2K OHM 1% 1/16W 0402	Yageo
RES SMD 10K OHM 1% 1/16W 040	Yageo
RES SMD 0 OHM JUMPER 1/10	Panasonic Electronic Compo
RES SMD 0 OHM JUMPER 1/10W 0	Panasonic Electronic Components
RES SMD 0 OHM JUMPER 1/10	Panasonic Electronic Compo
RES SMD 33 OHM 1% 1/10W 0402	Panasonic Electronic Components
RES SMD 1K OHM 1% 1/16W 0	Yageo
RES SMD 464 OHM 1% 1/16W 040	Yageo
RES SMD 4.75K OHM 1% 1/10	Vishay Beyschlag
RES SMD 10K OHM 1% 1/16W	Yageo
RES SMD 39 OHM 5% 1/10W 0402	Panasonic Electronic Components
RES SMD 0 OHM JUMPER 1/10W 0	Panasonic Electronic Components
RES SMD 22 OHM 1% 1/16W 0402	Yageo
RES SMD 4.7K OHM 1% 1/16W	Yageo
RES SMD 1M OHM 5% 1/16W 0402	Vishay Dale
RES SMD 10 OHM 1% 1/10W 0402	Panasonic Electronic Components
RES SMD 470 OHM 1% 1/10W 060	Yageo
RES SMD 287K OHM 1% 1/16W 04	Yageo
RES SMD 8.06K OHM 1% 1/16W 0	Yageo
RES SMD 27 OHM 1% 1/16W 0402	Vishay Dale
RES 1K OHM 1% 1W 2512	Stackpole Electronics Inc
RES SMD 100K OHM 1% 1/16W 04	Yageo
RES SMD 0 OHM JUMPER 1/2W 12	Yageo
RES SMD 316K OHM 1% 1/10W 04	Panasonic Electronic Components
RES SMD 4.7K OHM 1% 1/16W 04	Yageo
RES SMD 221K OHM 1% 1/10W 04	Panasonic Electronic Components
RES SMD 49.9K OHM 1% 1/16W 0	Yageo
RES SMD 432 OHM 1% 1/10W 060	Yageo
RES SMD 120 OHM 1% 1/16W 040	Yageo
RES SMD 182 OHM 1% 1/10W 060	Yageo
RES SMD 68K OHM 1% 1/16W 040	Yageo
RES SMD 432 OHM 1% 1/16W 040	Yageo
RES SMD 2K OHM 1% 1/16W 0402	Yageo
RES SMD 499 OHM 1% 1/16W 040	Yageo
RES SMD 33K OHM 1% 1/16W 040	Yageo
RES SMD 4.7 OHM 1% 1/8W 0805	Yageo
RES SMD 22K OHM 1% 1/16W 040	Yageo
RES SMD 1.5K OHM 1% 1/10W 04	Panasonic Electronic Components
RES SMD 1.21 OHM 1% 1/10W 060	Vishay Dale
RES SMD 1.21 OHM 1% 1/4W 1206	Yageo
RES SMD 10K OHM 1% 1/10W 040	Panasonic Electronic Components
RES SMD 5.23K OHM 1% 1/16W 0	Yageo

	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	Do not load	8533.21.0030	EAR99	CHINA
S	8533.21.0030	EAR99	CHINA	
	Do not load	8533.21.0030	EAR99	CHINA
S	8533.21.0030	EAR99	CHINA	
	Do not load	8533.21.0030	EAR99	CHINA
	Do not load			
	8533.21.0030	EAR99		
	Do not load	8533.21.0030	EAR99	
	Do not load	8533.21.0030	EAR99	CHINA
S	8533.21.0030	EAR99	CHINA	
S	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	Do not load	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99		
S	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99		
	8533.21.0030	EAR99		
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
S	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
S	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	
S	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99		
	8533.21.0030	EAR99	CHINA	
S	8533.21.0030	EAR99	CHINA	
	8533.21.0030	EAR99	CHINA	

175	2	R284,R317	4.75R/0.1W
176	1	R285	1.91K/1%
177	4	R291,R306,R337,R410	0.01R/1%/0.5W
178	1	R292	1.1K/1%
179	1	R293	2.2K/1%
180	1	R294	2.55K/1%
181	1	R296	47.5K/1%
182	1	R297	2.2R/1%/0.1W
183	3	R298,R389,R390	20K/1%
184	1	R318	3.16K/1%
185	1	R325	6.8K/1%
186	1	R326	560K/1%
187	3	R327,R353,R361	294K/1%
188	1	R341	9.09K/1%
189	1	R356	237K/1%
190	1	R364	274K/1%
191	1	R391	2.49K/1%
192	2	R417,R491	249R/1%
193	3	R428,R429,R430	1R/1%
194	2	R503,R504	316R/1%/NL
195	19	SD_D1,SDC_D1,SD_D2,SDC_D2	TEST_PAD
196	2	SPK_R,SPK_L	TP_SMT_NL
197	2	SPK_R1,SPK_L1	TP_SMT/NL
198	4	SW1,SW2,SW3,SW4	TL1105F250Q
199	1	SW6	GF-126-0159
200	1	U1	MPFS250T-FCV
201	1	U2	MT53D512M32D
202	2	U3,U5	TG111-MSC13LF
203	1	U4	VSC8662XIC
204	1	U6	MCP121T-315E
205	1	U14	CP2108-B02-GM
206	4	U17,U56,U57,U59	MIC23303YML-
207	1	U18	MCP130T-315I/
208	2	U19,U35	MIC2544-1YM
209	1	U21	MIC5166YML-T
210	1	U22	74CBTLV3257B
211	1	U23	MT41K256M16T
212	1	U24	USB3320_QFN
213	2	U25,U34	74LVC1G04
214	1	U26	M2S025-VFG2
215	2	U29,U44	TS3A27518ETRT
216	1	U32	DSC2033FI2-F
217	1	U33	USB3340_QFN
218	1	U41	MCP121T-315E
219	1	U43	MT25QL01GBBB

R0603	RC0603FR-074R75L
R0402	RC0402FR-071K91L
R0805	ERJ-6CWFR010V
R0402	RC0402FR-071K1L
R0402	RC0402FR-072K2L
R0402	RC0402FR-072K55L
R0402	RC0402FR-0747K5L
R0603	RC0603FR-072R2L
R0402	RC0402FR-0720KL
R0402	RC0402FR-073K16L
R0402	RC0402FR-076K8L
R0402	RC0402FR-07560KL
R0402	RC0402FR-07294KL
R0402	RC0402FR-079K09L
R0402	RC0402FR-07237KL
R0402	RC0402FR-07274KL
R0402	RC0402FR-072K49L
R0402	RC0402FR-07249RL
R0603	ERJ-3RQF1R0V
R0402	RC0402FR-07316RL
TP_40MIL_SQPAD	
TP_5015	5015
TP_5015	5015
SW_6x6MM_TL1105F250	TL1105F250Q
GF-126-0159	GF-126-0159
M5S250_SOC_FCV484	
200-WFBGA_MT53D512M	MT53D512M32D2DS-053
TG111-MSC13LF	TG111-MSC13LF/TG111-M
256BGA_17X17MM_VSC8	VSC8662XIC
MC_SOT-23	MCP121T-315E/TT
CP2108-B02-GM	CP2108-B02-GM
12DFN_MIC23303	MIC23303YML-T5
SOT23_MCP130T	MCP130T-315I/TT
8-SOIC_MIC2544	MIC2544-1YM
10MLF_MIC5166	MIC5166YML-TR
74CBTLV3257BQ_115	74CBTLV3257BQ,115
BGA96_T9_P8_8X14	MT41K256M16TW-107 XIT:
USB33XX-QFN32	USB3320C-EZK-TR
74LVC1G04	SN74LVC1G04DBVR
M2S025-VF256	M2S025-VFG256
TS3A_24WQFN	TS3A27518ETRTRWRQ1
14QFN_DSC2033	DSC2033FI2-F0044
USB33XX-QFN32	USB3340-EZK-TR
SOT-23B_MCP121T	MCP121T-315E/TT
MT25QL01GBBB8ESF-0SIT	MT25QL01GBBB8ESF-0SIT

RES SMD 4.75 OHM 1% 1/10W 060	Yageo
RES SMD 1.91K OHM 1% 1/16W 0	Yageo
RES 0.01 OHM 1% 1/2W 0805	Panasonic Electronic Components
RES SMD 1.1K OHM 1% 1/16W 04	Yageo
RES SMD 2.2K OHM 1% 1/16W 04	Yageo
RES SMD 2.55K OHM 1% 1/16W 0	Yageo
RES SMD 47.5K OHM 1% 1/16W 0	Yageo
RES SMD 2.2 OHM 1% 1/10W 0603	Yageo
RES SMD 20K OHM 1% 1/16W 040	Yageo
RES SMD 3.16K OHM 1% 1/16W 0	Yageo
RES SMD 6.8K OHM 1% 1/16W 04	Yageo
RES SMD 560K OHM 1% 1/16W 04	Yageo
RES SMD 294K OHM 1% 1/16W 04	Yageo
RES SMD 9.09K OHM 1% 1/16W 0	Yageo
RES SMD 237K OHM 1% 1/16W 04	Yageo
RES SMD 274K OHM 1% 1/16W 04	Yageo
RES SMD 2.49K OHM 1% 1/16W 0	Yageo
RES SMD 249 OHM 1% 1/16W 040	Yageo
RES SMD 1 OHM 1% 1/10W 0603	Panasonic Electronic Components
RES SMD 316 OHM 1% 1/16W	Yageo
40MIL Square Pad	
PC TEST POINT MINIATURE SM	Keystone Electronics
PC TEST POINT MINIATURE SM	Keystone Electronics
SWITCH TACTILE SPST-NO 0.05A 1	E-Switch
SWITCH SLIDE DPDT 3A PC MN	CW Industries
PF SoC FPGA	Microsemi
SDRAM - Mobile LPDDR4 Memory I	Micron Technology Inc.
Audio Transformers / Signal Transf	HALO Electronics
IC TELECOM INTERFACE 256BG	Microchip Technology
IC SUPERVISOR 3.08V LOW SO	Microchip Technology
IC BRIDGE USB TO UART 64QFN	Silicon Labs
IC REG BUCK ADJ 3A SYNC 12D	Microchip Technology
IC SUPERVISOR 3.15V LOW SO	Microchip Technology
IC PWR SWITCH N-CHAN 1:1 8	Microchip Technology
IC PWR SUP 3A HS DDR TERM	Microchip Technology
IC MUX/DEMUX DUAL 10F4 DHVQ	Nexperia USA Inc.
IC SDRAM 4GBIT 933MHZ 96FBGA	Micron Technology Inc.
IC TRANSCEIVER HALF 1/1 32Q	Microchip Technology
IC SINGLE INVERTER-GATE SOT-23	Texas Instruments
IC FPGA SOC 25K LUTS 256VF	Microsemi
IC MUX/DEMUX 1X2 24WQFN	Texas Instruments
Low-Jitter Configurable Dual L	Microchip Technology
IC USB 2.0 TXRX 32QFN	Microchip Technology
IC SUPERVISOR 3.08V LOW SO	Microchip Technology
IC FLASH 1GBIT 108MHZ 16SOIC	Micron Technology Inc.

	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
S	8533.21.0030	EAR99	
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	China
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
	8533.21.0030	EAR99	CHINA
S	8533.21.0030	EAR99	
Do not load	8533.21.0030	EAR99	CHINA
Not a part			
Do not load	8536.69.4040	EAR99	CHINA
Do not load	8536.69.4040	EAR99	CHINA
	8536.50.9031	EAR99	CHINA
Default Switch = 2&3,5&6	8536.50.9050	EAR99	
Microsemi Supplied			
	8542.32.0036	EAR99	
Use any of one which is available in	8504.40.9580	EAR99	CHINA
Microsemi Supplied	8542.39.0001	5A991B1	
Microsemi Supplied	8542.39.0001	EAR99	
	8542.39.0001	EAR99	
Microsemi Supplied	8542.39.0001	EAR99	
Microsemi Supplied	8542.39.0001	EAR99	
Microsemi Supplied	8542.39.0001	EAR99	
Microsemi Supplied	8542.39.0001	EAR99	
	8542.39.0001	EAR99	
	8542.32.0036	EAR99	
Microsemi Supplied	8542.39.0001	EAR99	
	8542.39.0001	EAR99	CHINA
Microsemi Supplied	8542.39.0001	3A991D	
	8542.39.0001	EAR99	
Microsemi Supplied			
Microsemi Supplied	8542.39.0001	3A991A2	
Microsemi Supplied	8542.39.0001	EAR99	
	8542.32.0071	3A991B1A	CHINA

220	1	U45	SDINBDG4-8G
221	1	U46	IP4856CX25/CZ
222	2	U47,U48	MCP2562FDT-
223	2	U49,U50	MMPQ2222A
224	1	U52	IRF9317TRPBF
225	2	U53,U58	MIC26950YJL-T
226	1	U54	MIC22705YML-
227	1	U55	PAC1934T-I/JQ
228	2	U61,U71	MIC69502WR
229	1	U66	74LVC1G157GV-
230	6	VDDAUX4,1P8V,2P5V,1P1V_LPDD	GRN/2V/20mA
231	1	X2	125MHz/2.25V
232	1	X4	125MHz/1.8V-
233	1	X5	50MHz/1.8V-3.
234	1	Y3	32.768 KHZ/NL
235	2	Y4,Y5	CRY_26
236	2	3P3V,5P0V	GRN/2V/20mA
237	9	Shunt 100mil (Low current)	
238	3	Shunt 100mil - Spare	
239	4	Shunt 100mil for J34,J35,J46,J47(High current)	
240	10	M2.5_20mm long STANDOFF-	M2.5_STANDOFF-BRD
241	10	M2.5_SCREWS-BRD for standoff	

No of Components : 1294

NOTES:
DO NOT USE ALTERNATE FOR PASSIVES

SDINBDG4-8G	SDINBDG4-8G
WLCSP25_IP4856	IP4856CX25/CZ
8-SOIC_MCP2562	MCP2562FDT-E/SN
16-SOIC_MMPQ2222A	MMPQ2222A
SOIC-8	IRF9317TRPBF
28MLF_MIC26950	MIC26950YJL-TR
24MLF_MIC22705	MIC22705YML-TR
16UQFN_PAC1934	PAC1934T-I/JQ
S-PAK-7	MIC69502WR
74LVC1G157GV-Q100H	74LVC1G157GV-Q100H
LED_0603	LTST-C191KGKT
5X3P2MM_DSC1123_B	DSC1123BL5-125.0000
2P5X2MM_DSC1001_D	DSC1001DL5-125.0000
OSC_2P5X2MM_DSC1001	DSC1001DL5-050.0000
CRYS_3P2X1P5_VMK3-90	VMK3-9005-32K7680000
3P2_2P5MM_VXM7-9029	VXM7-9029-26M000000
L-0805	LTST-C171KGKT
	QPC02SXGN-RC
	QPC02SXGN-RC
	SNT-100-BK-G
F-BRD	M11396.025.0020
	90116A112

eMMC Memory eMMC seq 300/40 I	SanDisk
IC MEMORY CARD TRANS 25WLCS	Nexperia USA Inc.
IC TRANSCEIVER 1/1 8SOIC	Microchip Technology
TRANS 4NPN 40V 0.5A 16SOIC	ON Semiconductor
MOSFET P-CH 30V 16A 8-SOIC	Infineon Technologies
IC REG BUCK ADJUSTABLE 12A	Microchip Technology
IC REG BUCK ADJ 7A SYNC 24M	Microchip Technology
QUAD HIGH-SIDE CURRENT SE	Microchip Technology
IC REG LINEAR POS ADJ 5A S-P	Microchip Technology
IC MUX SGL 2-INPUT 6TSOP	Nexperia USA Inc.
LED GREEN CLEAR SMD	Lite-On Inc.
MEMS OSC XO 125.0000MHZ L	Microchip Technology
MEMS OSC XO 125.0000MHZ C	Microchip Technology
MEMS OSC XO 50.0000MHZ C	Microchip Technology
CRYSTAL 32.768KHZ 12.5PF S	Vectron/Microchip
CRYSTAL 26.0000MHZ 20PF S	Vectron/Microchip
LED GREEN CLEAR SMD	Lite-On Inc.
CONN JUMPER SHORTING .100	Sullins Connector Solutions
CONN JUMPER SHORTING .100	Sullins Connector Solutions
CONN SHUNT 2POS	Samtec Inc.
Hex, Standoff, Steel, Female - Female, 4mm Hex Width, 20mm Overall Length, PK 100	Grainger
316 Stainless Steel Pan Head Phillips Screws, M2.5 x 0.45	McMaster Carr

	8523.51.0000	EAR99	CHINA
	8542.39.0001	EAR99	CHINA
Microsemi Supplied	8542.39.0001	EAR99	
	8541.21.0075	EAR99	
	8541.29.0095	EAR99	CHINA
Microsemi Supplied	8542.39.0001	EAR99	
Microsemi Supplied	8542.39.0001	EAR99	
Microsemi Supplied	8542.39.0001	EAR99	
Microsemi Supplied	8542.39.0001	EAR99	CHINA
	8542.39.0001	EAR99	
	8541.40.2000	EAR99	CHINA
Microsemi Supplied	8542.39.0001	EAR99	
Microsemi Supplied	8542.39.0001	EAR99	
Microsemi Supplied	8541.60.0080	EAR99	
Do not load			
Microsemi Supplied			
	8541.40.2000	EAR99	CHINA
	8538.90.8180	EAR99	
Bag & Tag	8538.90.8180	EAR99	
	8536.69.4040	EAR99	
Please refer assembly drawing for installation. Its a pack of 100. Please order based on	7415.39.0000	EAR99	
Please refer assembly drawing for installation			