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UNITED STATES DISTRICT COURT  
DISTRICT OF NEVADA

\* \* \*

HALO ELECTRONICS, INC.,

Plaintiff,

v.

PULSE ELECTRONICS, INC. and  
PULSE ELECTRONICS  
CORPORATION,

Defendants.

2:07-cv-00331-PMP-PAL

**PERMANENT INJUNCTION**

Having considered the arguments and evidence submitted by both parties, and having found that (1) Plaintiff Halo Electronics, Inc. will suffer irreparable harm if an injunction is not entered; (2) Plaintiff has no adequate remedy at law for Defendants’ continued patent infringement; (3) the balance of hardships between Plaintiff and Defendants tips in favor of Plaintiff in entering an injunction; (4) the public interest will not be disserved by entry of the injunction, the Court hereby enters the following injunction, consistent with Federal Rule of Civil Procedure 65:

Definitions

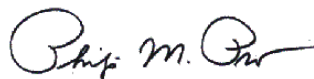
1. “Pulse” means Pulse Electronics, Inc., Pulse Electronics Corp., any of their subsidiaries or affiliates, and their officers, agents, servants, employees, and attorneys, and those persons in active concert or participation with any or all of them who receive actual notice of this Permanent Injunction.
2. “Infringing Product” means one or more of the products listed in Appendix A to this Permanent Injunction or any product not more than colorably different from one of the products listed in Appendix A to this Permanent Injunction.

1 Prohibited Acts

- 2 3. Pulse is prohibited from making, using, offering to sell, or selling any Infringing  
3 Product within the United States or importing into the United States any  
4 Infringing Product.
- 5 4. Pulse is prohibited from actively inducing infringement of Halo Electronics Inc.'s  
6 patents by assisting others in making, using, importing, selling or offering to sell  
7 in the United States any Infringing Product.
- 8 5. Pulse is prohibited from seeking a new or renewed United States specific  
9 UL-certification for any Infringing Product.
- 10 6. Pulse is required to include a copy of this Permanent Injunction with any  
11 Infringing Product that it delivers outside of the United States.

12 The above terms of this injunction shall remain in effect until August 10, 2015, after  
13 which this injunction will be dissolved without further order of the Court.

14  
15 DATED: June 17, 2013

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18 PHILIP M. PRO  
19 United States District Judge  
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**APPENDIX A TO THE COURT'S PERMANENT INJUNCTION  
LIST OF PULSE INFRINGING PRODUCTS**

**REPRESENTATIVE PART: H0022**

H0005	H0041RLT	H0082
H0005T	H0041T	H0082NL
H0006	H0042	H0082NLT
H0006T	H0042NL	H0082T
H0013.01	H0042NLT	H5019
H0013.01T	H0042RL	H5019H
H0020	H0042RLT	H5019HM
H0020NL	H0042T	H5019HMNL
H0020NLT	H0042T.PK3000	H5019HMNLT
H0020T	H0042T.PK3000NL	H5019HMT
H0022	H0042T.PK3000NLT	H5019HNL
H0022B	H0042T.PK3000T	H5019HNLT
H0022BNL	H0055	H5019HT
H0022BNLT	H0055A	H5019M
H0022BT	H0055AT	H5019MT
H0022NL	H0055NL	H5019NL
H0022NLT	H0055NLT	H5019NLT
H0022T	H0055T	H5019T
H0023	H0056	H5055
H0023NL	H0056NL	H5055NL
H0023NLT	H0056NLT	H5055NLT
H0023RL	H0056RL	H5055RL
H0023RLT	H0056RLT	H5055RLT
H0023T	H0056T	H5055T
H0029	H0062	H5069
H0029L	H0062RL	H5069T
H0029LT	H0062RLT	H5074
H0029T	H0062T	H5074T
H0037	H0064	H5091
H0037NL	H0064NL	H5091NL
H0037NLT	H0064NLT	H5091NLT
H0037RL	H0064T	H5091T
H0037RLT	H0067	H5108NL
H0037T	H0067T	H5108NLT
H0041	H0069	QUADPAK SMD
H0041NL	H0069T	QUADPAK SMDT
H0041NLT	H0072	
H0041RL	H0072T	

**APPENDIX A TO THE COURT'S PERMANENT INJUNCTION  
LIST OF PULSE INFRINGING PRODUCTS (CONTINUED)**

**REPRESENTATIVE PART: H0009**

H0008	H0009NLS	H0010
H0008T	H0009NLST	H0010T
H0009	H0009NLT	H0011
H0009.01NL	H0009RL	H0011.90
H0009.01NLT	H0009RLT	H0011.90T
H0009.02	H0009T	H0011NL
H0009.02NL	H0009T.01	H0011NLT
H0009.02NLT	H0009T.01NL	H0011T
H0009.02T	H0009T.01NLT	H0014
H0009.90	H0009T.01T	H0014T
H0009.90NL	H0009T.02	H0018
H0009.90NLT	H0009T.02NL	H0018NL
H0009.90T	H0009T.02NLT	H0018NLT
H0009NL	H0009T.02T	H0018T

**REPRESENTATIVE PART: H1260**

23Z108SMNL	E2032NLT	EX2033
23Z108SMNLT	E2035NL	EX2033NL
23Z114SMNL	E2035NLT	EX2033NLT
23Z114SMNL-T	E2081NL	EX2033T
23Z356SMQNL	E2081NLT	H0034
23Z356SMQNLT	E2082NL	H0034NL
23Z435SMNL	E2082NLT	H0034NLT
23Z435SMNLT	E2452NL	H0034T
23Z467SMNL	E2452NLT	H0135NL
23Z467SMNLS	E2453NL	H0135NLT
23Z467SMNLST	E2453NLT	H1015NL
23Z467SMNLT	E2454NL	H1015NLT
23Z90SMNL	E2454NLT	H1015QNL
23Z90SMNLT	E2457NL	H1015QNLT
23Z91SMNL	E2457NLT	H1081QNL
23Z91SMNL-T	E2458NL	H1081QNLT
B8124	E2458NLT	H1100
B8124T	E2466NL	H1100NL
E2023	E2466NLS	H1100NLT
E2023.01	E2466NLST	H1100T
E2023.01T	E2466NLT	H1101
E2023NL	E2467NL	H1101NL
E2023NLT	E2467NLT	H1101NLT
E2023T	EX2024	H1101T
E2031NL	EX2024NL	H1102
E2031NLT	EX2024NLT	H1102HL
E2032NL	EX2024T	H1102HLT

**APPENDIX A TO THE COURT'S PERMANENT INJUNCTION  
LIST OF PULSE INFRINGING PRODUCTS (CONTINUED)**

H1102NL	H1199NLT	H1260NL
H1102NLS	H1199T	H1260NLS
H1102NLST	H1202	H1260NLST
H1102NLT	H1202T	H1260NLT
H1102RL	H1205	H1260RL
H1102RLT	H1205NL	H1260RLT
H1102T	H1205NLT	H1260T
H1120	H1205T	H1261
H1120T	H1209	H1261NL
H1121	H1209NL	H1261NLT
H1121NL	H1209NLT	H1261T
H1121NLS	H1209T	H1265
H1121NLST	H1235	H1265NL
H1121NLT	H1235NL	H1265NLT
H1121T	H1235NLT	H1265T
H1122	H1235T	H1266
H1122T	H1238	H1266T
H1137	H1238NL	H1275
H1137T	H1238NLT	H1275NL
H1138	H1238T	H1275NLT
H1138NL	H1245	H1275T
H1138NLT	H1245NL	H1276
H1138T	H1245NLT	H1276T
H1141	H1245T	H1278
H1141NL	H1249	H1278NL
H1141NLT	H1249NL	H1278NLT
H1141T	H1249NLT	H1278T
H1146	H1249T	H1279
H1146NL	H1251	H1279T
H1146NLT	H1251NL	H1281
H1146T	H1251NLT	H1281NL
H1173	H1251T	H1281NLT
H1173T	H1253	H1281T
H1183	H1253T	H1285
H1183NL	H1255	H1285NL
H1183NLS	H1255T	H1285NLT
H1183NLST	H1259	H1285T
H1183NLT	H1259NL	H1286
H1183T	H1259NLT	H1286NL
H1197	H1259T	H1286NLT
H1197NL	H1260	H1286T
H1197NLT	H1260A	H1287
H1197T	H1260ANL	H1287T
H1199	H1260ANLT	H1290
H1199NL	H1260AT	H1290T

**APPENDIX A TO THE COURT'S PERMANENT INJUNCTION  
LIST OF PULSE INFRINGING PRODUCTS (CONTINUED)**

H1292	H2019NLST	H5010NLT
H1292T	H2019NLT	H5010T
H1300	H2019T	H5012
H1300NL	H2041	H5012NL
H1300NLT	H2041NL	H5012NLS
H1300T	H2041NLT	H5012NLST
H1302	H2041T	H5012NLT
H1302NL	H2054	H5012S
H1302NLT	H2054T	H5012SNL
H1302T	H2055	H5012SNLT
H1303	H2055NL	H5012ST
H1303T	H2055NLT	H5012T
H1308	H2055T	H5014
H1308T	H2059NL	H5014NL
H1313	H2059NLT	H5014NLT
H1313NL	H2060NL	H5014T
H1313NLT	H2060NLT	H5015
H1313T	H2073NL	H5015BNL
H1315	H2073NLT	H5015BNLT
H1315T	H2260	H5015CNL
H1316	H2260NL	H5015CNLT
H1316T	H2260NLT	H5015NL
H1321NL	H2260T	H5015NLT
H1321NLT	H2309	H5015T
H1338	H2309NL	H5020
H1338NL	H2309NLT	H5020NL
H1338NLT	H2309T	H5020NLS
H1338T	H5007CNL	H5020NLST
H1343	H5007CNLT	H5020NLT
H1343NL	H5007ENL	H5020T
H1343NLT	H5007ENLT	H5025NL
H1343T	H5008	H5025NLT
H1364NL	H5008NL	H5028
H1364NLT	H5008NLT	H5028T
H1395NL	H5008P	H5043
H1395NLT	H5008PNL	H5043E
H2019	H5008PNLT	H5043ET
H2019A	H5008PT	H5043NL
H2019ANL	H5008T	H5043NLT
H2019ANLT	H5009	H5043T
H2019AT	H5009NL	H5050NL
H2019BNL	H5009NLT	H5050NLT
H2019BNLT	H5009T	H5051NL
H2019NL	H5010	H5051NLT
H2019NLS	H5010NL	H5053

**APPENDIX A TO THE COURT'S PERMANENT INJUNCTION  
LIST OF PULSE INFRINGING PRODUCTS (CONTINUED)**

H5053T	H5135NL	HX1188NLST
H5054	H5135NLT	HX1188NLT
H5054NL	H5140NL	HX1188T
H5054NLT	H5140NLT	HX1198
H5054T	H5143ANL	HX1198NL
H5062	H5143ANLT	HX1198NLS
H5062NL	H5143NL	HX1198NLST
H5062NLT	H5143NLT	HX1198NLT
H5062T	H5178HL	HX1198T
H5064	H5178HLT	HX1241
H5064NL	H5178NL	HX1241T
H5064NLS	H5178NLT	HX1252
H5064NLST	H6062	HX1252T
H5064NLT	H6062NL	HX1259
H5064T	H6062NLS	HX1259NL
H5067	H6062NLST	HX1259NLT
H5067NL	H6062NLT	HX1259T
H5067NLT	H6062T	HX1260
H5067T	H6072NL	HX1260NL
H5072	H6072NLT	HX1260NLT
H5072T	H6080	HX1260T
H5084	H6080NL	HX1294
H5084NL	H6080NLS	HX1294NL
H5084NLS	H6080NLST	HX1294NLT
H5084NLST	H6080NLT	HX1294T
H5084NLT	H6080T	HX1300NL
H5084T	H6084NL	HX1300NLT
H5089	H6084NLT	HX1302
H5089NL	H6096NL	HX1302NL
H5089NLT	H6096NLT	HX1302NLT
H5089T	H6101NL	HX1302T
H5100NL	H6101NLT	HX1323NL
H5100NLT	H6103NL	HX1323NLT
H5107NL	H6103NLT	HX1324NL
H5107NLT	HM1198	HX1324NLT
H5109NL	HM1198T	HX1393NL
H5109NLT	HX0060	HX1393NLT
H5111NL	HX0060NL	HX2019
H5111NLT	HX0060NLT	HX2019NL
H5115NL	HX0060T	HX2019NLT
H5115NLT	HX1141NL	HX2019T
H5118NL	HX1141NLT	HX2045
H5118NLT	HX1188	HX2045T
H5127	HX1188NL	HX2088NL
H5127T	HX1188NLS	HX2088NLT

**APPENDIX A TO THE COURT'S PERMANENT INJUNCTION  
LIST OF PULSE INFRINGING PRODUCTS (CONTINUED)**

HX2260	HX5118NLT	ST6114QNL
HX2260NL	HX6002NL	ST6114QNLT
HX2260NLT	HX6002NLT	ST6118QNL
HX2260T	HX6015NL	ST6118QNLT
HX5009	HX6015NLS	ST6160QNL
HX5009NL	HX6015NLT	ST6160QNLT
HX5009NLT	HX6015NLT	ST6167QNL
HX5009T	HX6017NL	ST6167QNLT
HX5012	HX6017NLT	ST7010QNL
HX5012NL	HX6062	ST7010QNLT
HX5012NLS	HX6062NL	ST7011QNL
HX5012NLT	HX6062NLT	ST7011QNLT
HX5012NLT	HX6062T	ST7032QNL
HX5012T	HX6080	ST7032QNLT
HX5014	HX6080NL	ST7033QNL
HX5014NL	HX6080NLT	ST7033QNLT
HX5014NLT	HX6080T	T1096QNL
HX5014T	HX6083NL	T1096QNLT
HX5018	HX6083NLT	T1144QNL
HX5018NL	HX6095NL	T1144QNLT
HX5018NLT	HX6095NLT	T1233QNL
HX5018T	HX6096NL	T1233QNLT
HX5020	HX6096NLS	T1235
HX5020NL	HX6096NLT	T1235NL
HX5020NLS	HX6096NLT	T1235NL
HX5020NLT	HX6510NL	T1235T
HX5020NLT	HX6510NLT	T1339QNL
HX5020T	JM-18506	T1339QNLT
HX5049	JM-18506T	T1347QNL
HX5049NL	ML102	T1347QNLT
HX5049NLT	ML102T	T1539QNL
HX5049T	PE-68515QNL	T1539QNLT
HX5062	PE-68515QNLT	T1589NL
HX5062NL	PE-68517QNL	T1589NLT
HX5062NLT	PE-68517QNLT	T8008QNL
HX5062T	ST4152NL	T8008QNLT
HX5084NL	ST4152NLT	TX1089QNL
HX5084NLT	ST4152QNL	TX1089QNLT
HX5092	ST4152QNLT	TX1267QNL
HX5092T	ST4202TNL	TX1267QNLT
HX5103NL	ST4202TNL-R	TX1456
HX5103NLT	ST4202TNL-RT	TX1456NL
HX5104NL	ST4202TNLT	TX1456NLT
HX5104NLT	ST4242QNL	TX1456T
HX5118NL	ST4242QNLT	TX1516QNL



**APPENDIX A TO THE COURT'S PERMANENT INJUNCTION  
LIST OF PULSE INFRINGING PRODUCTS (CONTINUED)**

TX1516QNL	TX1535QNL	HX1323NLST
TX1520NL	TX1535QNL	HX5009NLS
TX1520NLT	TX1542NL	HX5009NLST
TX3125NL	TX1542NLT	HX5019BNL
TX3125NLT	TX1544NL	HX5019BNLT
TX7016	TX1544NLT	HX6014NL
TX7016T	H1664NL	HX6014NLT
T1064QNL	H1664NLT	T1136QNL
T1064QNL	H5019BNL	T1136QNL
T1065QNL	H5019BNLT	T1146QNL
T1065QNL	H5038NL	T1146QNL
T1073QNL	H5038NLT	C2267NL
T1073QNL	H6080ANL	C2267NLT
T1712QNL	H6080ANLT	C2268NL
T1712QNL	HX1225NL	C2268NLT
TX1261MNL	HX1225NLT	
TX1261MNLT	HX1323NLS	

**REPRESENTATIVE PART: 23Z110SMNL**

23Z110SMNL	PA2401NL	PE-65848NL
23Z110SMNL-T	PA2401NLT	PE-65848NLT
B2013.90NL	PE-65558MNL	PE-8271QNL
B2013.90NLT	PE-65558MNLT	PE-8271QNL
B2013NL	PE-65812NL	PA2932NL
B2013NLT	PE-65812NL-900	PA2932NLT
H1190NL	PE-65812NL-900T	
H1190NLT	PE-65812NLT	

**REPRESENTATIVE PART: H1305**

H1170NL	H2009ANL	H2053A
H1170NLT	H2009ANLT	H2053ANL
H1271	H2009NL	H2053ANLT
H1271T	H2009NLT	H2053AT
H1272	H2009RL	H2053BNL
H1272T	H2009RLT	H2053BNLT
H1305	H2009T	H2075NL
H1305NL	H2039	H2075NLT
H1305NLT	H2039ANL	H2305
H1305T	H2039ANLT	H2305NL
H2005B	H2039NL	H2305NLT
H2005BT	H2039NLT	H2305T
H2009	H2039T	H2310NL

**APPENDIX A TO THE COURT'S PERMANENT INJUNCTION  
LIST OF PULSE INFRINGING PRODUCTS (CONTINUED)**

H2310NLT	H7011NL	HX5008T
H2312NL	H7011NLT	HX5030NL
H2312NLT	H7012NL	HX5030NLT
H2318ANL	H7012NLT	HX5132
H2318ANLT	H7018NL	HX5132NL
H2318NL	H7018NLT	HX5132NLT
H2318NLT	H7019NL	HX5132T
H5047	H7019NLT	HX1291NL
H5047T	HX1294NLS	HX1291NLT
H7001	HX1294NLT	H2354NL
H7001NL	HX1305	H2354NLT
H7001NLT	HX1305NL	H7028NL
H7001T	HX1305NLT	H7028NLT
H7007	HX1305T	H7029NL
H7007NL	HX2305	H7029NLT
H7007NLT	HX2305NL	H7030NL
H7007T	HX2305NLT	H7030NLT
H7008	HX2305T	H7037NL
H7008NL	HX5008	H7037NLT
H7008NLT	HX5008NL	H7136NL
H7008T	HX5008NLS	H7136NLT
H7009NL	HX5008NLT	H7137NL
H7009NLT	HX5008NT	H7137NLT

**REPRESENTATIVE PART: H1174**

H1174	H1195NLT	H1256
H1174NL	H1195RL	H1256T
H1174NLS	H1195RLT	H1270
H1174NLST	H1195T	H1270NL
H1174NLT	H1244	H1270NLS
H1174T	H1244NL	H1270NLST
H1195	H1244NLT	H1270NLT
H1195NL	H1244T	H1270T

**REPRESENTATIVE PART: H0026**

H0026	H0026NLT	H5041
H0026NL	H0026T	H5041T

**REPRESENTATIVE PART: H0019**

1000B-5001	1000B-5001XNL	1000B-5002NL
1000B-5001T	1000B-5001XNLT	1000B-5002NLT
1000B-5001X	1000B-5001XT	1000B-5002XNL

**APPENDIX A TO THE COURT'S PERMANENT INJUNCTION  
LIST OF PULSE INFRINGING PRODUCTS (CONTINUED)**

1000B-5002XNLT	100B-2002XNLT	H0028T
1000B-5003	100B-2002XT	H0031
1000B-5003T	E0001	H0031T
1000B-5003NL	E0001T	H0032
1000B-5003NLT	E0005	H0032T
1000B-5003X	E0005T	H0059
1000B-5003XNL	H0007	H0059T
1000B-5003XNLT	H0007T	H5019D
1000B-5003XT	H0013	H5019DNL
1000B-5009	H0013NL	H5019DNLT
1000B-5009T	H0013NLS	H5019DT
1000B-5009X	H0013NLST	R0007
1000B-5009XT	H0013NLT	R0007T
100B-1007	H0013T	R7003
100B-1007T	H0019	R7003T
100B-1011	H0019NL	R7004
100B-1011T	H0019NLT	R7004T
100B-1011X	H0019T	T1101
100B-1011XT	H0025	T1101T
100B-2002	H0025NL	T1143
100B-2002T	H0025NLT	T1143T
100B-2002X	H0025T	X-1590
100B-2002XNL	H0028	X-1590T