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 Columns colored this way
 contain formulas. Direct input is not permitted

Correlation between detector moduls and DCDC-Converter

NOTE: Shell name is suppressed in module name as this mapping is identical for all shells
 Sorting is done for increasing slot#. Within slots, converter# can appear in any order.

Sheet

Table for module cable length surplus needed to compensate the lengthening of cables during insertion caused by the supply tube hinge

Slot	1	2	3	4	5	6	7	8
Length surplus	8	6	4	2	2	4	6	8

Pointers on Summary	PTS_M0Code	PTS_M0CN	PTS_M0CL	PTS_M1Code	PTS_M1CN	PTS_M1CL	PTS_M2Code	PTS_M2CN	PTS_M2CL	PTS_M3Code	PTS_M3CN	PTS_M3CL
	11	40	41	20	50	51	20	63	62	32	10	103

2 When modifying table D13:N310 make sure that all connectors CONxxx in column J are associated with a cable length. If not, go to sheet VDrop_PCB_B1CC56:CF1557 to select proper connectors keeping the layout of connector boards in mind

Layout of detector modules and DCDC-converter connectivities														
This block below to be defined by the user														
ref. row #:	Mirror sym.@slot 0, single type L1&L2 CB, L3 slot 1=8 Typo corr. (Sep. 28, 2015)													
Slot code	cable code	Module ctr.	Slot	Cable #	layer	Ladder	Module	conv #	Con.name	Module cable length on shell [mm]:				Length surplus
									on CB	Bpl	BpO	Bml	BmO	
S1	S1C1	1	1	1	1	1	2	0	CON112	1052.3	1069.3	1052.3	1069.3	8.0
S1		2	1	1	1	1	3	1	CON113	1052.3	1069.3	1052.3	1069.3	8.0
S1		3	1	1	1	1	4	2	CON114	1052.3	1063.2	1052.3	1063.2	8.0
S1		4	1	1	4	1	1	3	CON411	1011.1	1033.1	1032.1	1033.1	8.0
S1		5	1	1	4	1	2	3	CON412	1013.8	1014.8	1013.8	1014.8	8.0
S1		6	1	1	4	1	3	3	CON413	1013.8	1014.8	1013.8	1014.8	8.0
S1		7	1	1	4	1	4	3	CON414	1013.8	1014.8	1013.8	1014.8	8.0
S1		8	1	1	4	2	1	4	CON421	1017.6	1064.5	1034.5	1064.5	8.0
S1		9	1	1	4	2	2	4	CON422	1019.8	1049.8	1019.8	1049.8	8.0
S1		10	1	1	4	2	3	4	CON423	1019.8	1049.8	1019.8	1049.8	8.0
S1		11	1	1	4	2	4	4	CON424	1019.8	1049.8	1019.8	1049.8	8.0
S1		12	1	1	4	3	1	5	CON431	969.1	975.8	970.8	975.8	8.0
S1		13	1	1	4	3	2	5	CON432	969.3	974.3	969.3	974.3	8.0
S1		14	1	1	4	3	3	5	CON433	969.3	974.3	969.3	974.3	8.0
S1		15	1	1	4	3	4	5	CON434	969.3	974.3	969.3	974.3	8.0
S1		16	1	1	4	4	1	6	CON441	1010.5	997.7	1010.6	997.7	8.0
S1		17	1	1	4	4	2	6	CON442	1010.6	997.6	1010.6	997.6	8.0
S1		18	1	1	4	4	3	6	CON443	1010.6	997.6	1010.6	997.6	8.0
S1		19	1	1	4	4	4	6	CON444	1010.6	997.6	1010.6	997.6	8.0
S1	S1C2	1	1	2	2	1	1	7	CON211	971.7	982.7	971.7	982.7	8.0
S1		2	1	2	2	1	2	7	CON212	971.7	982.7	971.7	982.7	8.0
S1		3	1	2	2	1	3	7	CON213	971.7	982.7	971.7	982.7	8.0
S1		4	1	2	2	1	4	8	CON214	971.7	982.7	971.7	982.7	8.0
S1		5	1	2	2	2	1	8	CON221	982.2	972.2	982.2	972.2	8.0
S1		6	1	2	2	2	2	9	CON222	982.2	972.2	982.2	972.2	8.0
S1		7	1	2	2	2	3	9	CON223	982.2	972.2	982.2	972.2	8.0
S1		8	1	2	2	2	4	9	CON224	982.2	972.2	982.2	972.2	8.0
S1		9	1	2	3	1	1	10	CON311	977.1	996.2	987.2	996.2	8.0
S1		10	1	2	3	1	2	10	CON312	978.4	987.4	978.4	987.4	8.0
S1		11	1	2	3	1	3	10	CON313	978.4	987.4	978.4	987.4	8.0
S1		12	1	2	3	1	4	10	CON314	978.4	987.4	978.4	987.4	8.0
S1		13	1	2	3	2	1	11	CON321	1013.5	1010.0	1014.0	1010.0	8.0
S1		14	1	2	3	2	2	11	CON322	1013.6	1009.6	1013.6	1009.6	8.0
S1		15	1	2	3	2	3	11	CON323	1013.6	1009.6	1013.6	1009.6	8.0
S1		16	1	2	3	2	4	11	CON324	1013.6	1009.6	1013.6	1009.6	8.0
S2	S2C1	1	2	1	1	1	1	0	CON112	1126.6	1136.3	1126.6	1136.3	6.0
S2		2	2	1	1	2	3	1	CON113	1059.6	1066.6	1059.6	1066.6	6.0
S2		3	2	1	1	2	4	2	CON114	1059.6	1066.6	1059.6	1066.6	6.0
S2		4	2	1	4	5	1	3	CON411	992.6	996.6	992.6	996.6	6.0
S2		5	2	1	4	5	2	3	CON412	974.7	978.7	974.7	978.7	6.0
S2		6	2	1	4	5	3	3	CON413	974.7	978.7	974.7	978.7	6.0
S2		7	2	1	4	5	4	3	CON414	974.7	978.7	974.7	978.7	6.0
S2		8	2	1	4	6	1	4	CON421	1022.4	1011.4	1022.4	1011.4	6.0
S2		9	2	1	4	6	2	4	CON422	1011.2	1000.2	1011.2	1000.2	6.0
S2		10	2	1	4	6	3	4	CON423	1011.2	1000.2	1011.2	1000.2	6.0
S2		11	2	1	4	6	4	4	CON424	1011.2	1000.2	1011.2	1000.2	6.0
S2		12	2	1	4	7	1	5	CON431	962.0	977.0	962.0	977.0	6.0
S2		13	2	1	4	7	2	5	CON432	962.0	977.0	962.0	977.0	6.0
S2		14	2	1	4	7	3	5	CON433	962.0	977.0	962.0	977.0	6.0
S2		15	2	1	4	7	4	5	CON434	962.0	977.0	962.0	977.0	6.0
S2		16	2	1	4	8	1	6	CON441	1014.1	1014.1	1014.1	1014.1	6.0
S2		17	2	1	4	8	2	6	CON442	1011.0	1011.0	1011.0	1011.0	6.0
S2		18	2	1	4	8	3	6	CON443	1011.0	1011.0	1011.0	1011.0	6.0
S2		19	2	1	4	8	4	6	CON444	1011.0	1011.0	1011.0	1011.0	6.0
S2	S2C2	1	2	2	2	3	1	7	CON211	967.5	977.5	967.5	977.5	6.0
S2		2	2	2	2	3	2	7	CON212	967.5	977.5	967.5	977.5	6.0
S2		3	2	2	2	3	3	7	CON213	967.5	977.5	967.5	977.5	6.0
S2		4	2	2	2	3	4	8	CON214	967.5	977.5	967.5	977.5	6.0
S2		5	2	2	2	4	1	8	CON221	977.3	970.3	977.3	970.3	6.0
S2		6	2	2	2	4	2	9	CON222	977.3	970.3	977.3	970.3	6.0
S2		7	2	2	2	4	3	9	CON223	977.3	970.3	977.3	970.3	6.0
S2		8	2	2	2	4	4	9	CON224	977.3	970.3	977.3	970.3	6.0
S2		9	2	2	3	3	1	10	CON311	987.5	998.5	987.5	998.5	6.0
S2		10	2	2	3	3	2	10	CON312	973.2	984.2	973.2	984.2	6.0
S2		11	2	2	3	3	3	10	CON313	973.2	984.2	973.2	984.2	6.0
S2		12	2	2	3	3	4	10	CON314	973.2	984.2	973.2	984.2	6.0
S2		13	2	2	3	4	1	11	CON321	1011.4	1007.4	1011.4	1007.4	6.0
S2		14	2	2	3	4	2	11	CON322	1008.1	1004.1	1008.1	1004.1	6.0
S2		15	2	2	3	4	3	11	CON323	1008.1	1004.1	1008.1	1004.1	6.0
S2		16	2	2	3	4	4	11	CON324	1008.1	1004.1	1008.1	1004.1	6.0
S2		17	2	2	3	5	1	12	CON331	968.0	983.0	968.0	983.0	6.0
S2		18	2	2	3	5	2	12	CON332	967.2	982.2	967.2	982.2	6.0
S2		19	2	2	3	5	3	12	CON333	967.2	982.2	967.2	982.2	6.0
S2		20	2	2	3	5	4	12	CON334	967.2	982.2	967.2	982.2	6.0

S3	S3C1	1	3	1	1	2	1	0	CON112	1127.5	1129.4	1127.5	1129.4	4.0
S3		2	3	1	1	2	2	1	CON113	1127.5	1129.4	1127.5	1129.4	4.0
S3		3	3	1	1	3	4	2	CON114	1060.5	1065.6	1060.5	1065.6	4.0
S3		4	3	1	4	9	1	3	CON411	980.5	989.5	980.5	989.5	4.0
S3		5	3	1	4	9	2	3	CON412	969.7	978.7	969.7	978.7	4.0
S3		6	3	1	4	9	3	3	CON413	969.7	978.7	969.7	978.7	4.0
S3		7	3	1	4	9	4	3	CON414	969.7	978.7	969.7	978.7	4.0
S3		8	3	1	4	10	1	4	CON421	1012.4	1008.4	1012.4	1008.4	4.0
S3		9	3	1	4	10	2	4	CON422	1006.5	1002.5	1006.5	1002.5	4.0
S3		10	3	1	4	10	3	4	CON423	1006.5	1002.5	1006.5	1002.5	4.0
S3		11	3	1	4	10	4	4	CON424	1006.5	1002.5	1006.5	1002.5	4.0
S3		12	3	1	4	11	1	5	CON431	965.2	980.2	965.2	980.2	4.0
S3		13	3	1	4	11	2	5	CON432	963.3	978.3	963.3	978.3	4.0
S3		14	3	1	4	11	3	5	CON433	963.3	978.3	963.3	978.3	4.0
S3		15	3	1	4	11	4	5	CON434	963.3	978.3	963.3	978.3	4.0
S3		16	3	1	4	12	1	6	CON441	1012.3	1010.3	1012.3	1010.3	4.0
S3		17	3	1	4	12	2	6	CON442	1009.0	1007.0	1009.0	1007.0	4.0
S3		18	3	1	4	12	3	6	CON443	1009.0	1007.0	1009.0	1007.0	4.0
S3		19	3	1	4	12	4	6	CON444	1009.0	1007.0	1009.0	1007.0	4.0
S3	S3C2	1	3	2	2	5	1	7	CON211	967.3	978.3	967.3	978.3	4.0
S3		2	3	2	2	5	2	7	CON212	967.3	978.3	967.3	978.3	4.0
S3		3	3	2	2	5	3	7	CON213	967.3	978.3	967.3	978.3	4.0
S3		4	3	2	2	5	4	8	CON214	967.3	978.3	967.3	978.3	4.0
S3		5	3	2	3	6	1	10	CON311	991.1	984.1	991.1	984.1	4.0
S3		6	3	2	3	6	2	10	CON312	977.1	970.1	977.1	970.1	4.0
S3		7	3	2	3	6	3	10	CON313	977.1	970.1	977.1	970.1	4.0
S3		8	3	2	3	6	4	10	CON314	977.1	970.1	977.1	970.1	4.0
S3		9	3	2	3	7	1	11	CON321	998.9	1007.9	998.9	1007.9	4.0
S3		10	3	2	3	7	2	11	CON322	998.6	1007.6	998.6	1007.6	4.0
S3		11	3	2	3	7	3	11	CON323	998.6	1007.6	998.6	1007.6	4.0
S3		12	3	2	3	7	4	11	CON324	998.6	1007.6	998.6	1007.6	4.0
S3		13	3	2	3	8	1	12	CON331	976.1	969.1	976.1	969.1	4.0
S3		14	3	2	3	8	2	12	CON332	975.2	968.2	975.2	968.2	4.0
S3		15	3	2	3	8	3	12	CON333	975.2	968.2	975.2	968.2	4.0
S3		16	3	2	3	8	4	12	CON334	975.2	968.2	975.2	968.2	4.0
S4	S4C1	1	4	1	1	3	1	0	CON112	1124.4	1131.7	1124.4	1131.7	2.0
S4		2	4	1	1	3	2	1	CON113	1124.4	1131.4	1124.4	1131.4	2.0
S4		3	4	1	1	3	3	2	CON114	1124.4	1131.4	1124.4	1131.4	2.0
S4		4	4	1	4	13	1	3	CON411	961.5	972.5	961.5	972.5	2.0
S4		5	4	1	4	13	2	3	CON412	960.2	971.2	960.2	971.2	2.0
S4		6	4	1	4	13	3	3	CON413	960.2	971.2	960.2	971.2	2.0
S4		7	4	1	4	13	4	3	CON414	960.2	971.2	960.2	971.2	2.0
S4		8	4	1	4	14	1	4	CON421	1005.1	1002.1	1005.1	1002.1	2.0
S4		9	4	1	4	14	2	4	CON422	1004.6	1001.6	1004.6	1001.6	2.0
S4		10	4	1	4	14	3	4	CON423	1004.6	1001.6	1004.6	1001.6	2.0
S4		11	4	1	4	14	4	4	CON424	1004.6	1001.6	1004.6	1001.6	2.0
S4		12	4	1	4	15	1	5	CON431	975.0	982.0	975.0	982.0	2.0
S4		13	4	1	4	15	2	5	CON432	971.6	978.6	971.6	978.6	2.0
S4		14	4	1	4	15	3	5	CON433	971.6	978.6	971.6	978.6	2.0
S4		15	4	1	4	15	4	5	CON434	971.6	978.6	971.6	978.6	2.0
S4		16	4	1	4	16	1	6	CON441	1027.5	1023.5	1027.5	1023.5	2.0
S4		17	4	1	4	16	2	6	CON442	1022.3	1018.3	1022.3	1018.3	2.0
S4		18	4	1	4	16	3	6	CON443	1022.3	1018.3	1022.3	1018.3	2.0
S4		19	4	1	4	16	4	6	CON444	1022.3	1018.3	1022.3	1018.3	2.0
S4	S4C2	1	4	2	2	6	1	7	CON211	972.6	969.6	972.6	969.6	2.0
S4		2	4	2	2	6	2	7	CON212	972.6	969.6	972.6	969.6	2.0
S4		3	4	2	2	6	3	7	CON213	972.6	969.6	972.6	969.6	2.0
S4		4	4	2	2	6	4	8	CON214	972.6	969.6	972.6	969.6	2.0
S4		5	4	2	2	7	1	8	CON221	971.1	981.1	971.1	981.1	2.0
S4		6	4	2	2	7	2	9	CON222	971.1	981.1	971.1	981.1	2.0
S4		7	4	2	2	7	3	9	CON223	971.1	981.1	971.1	981.1	2.0
S4		8	4	2	2	7	4	9	CON224	971.1	981.1	971.1	981.1	2.0
S4		9	4	2	3	9	1	10	CON311	967.6	979.6	967.6	979.6	2.0
S4		10	4	2	3	9	2	10	CON312	961.9	973.9	961.9	973.9	2.0
S4		11	4	2	3	9	3	10	CON313	961.9	973.9	961.9	973.9	2.0
S4		12	4	2	3	9	4	10	CON314	961.9	973.9	961.9	973.9	2.0
S4		13	4	2	3	10	1	11	CON321	1010.5	1005.5	1010.5	1005.5	2.0
S4		14	4	2	3	10	2	11	CON322	1009.7	1004.7	1009.7	1004.7	2.0
S4		15	4	2	3	10	3	11	CON323	1009.7	1004.7	1009.7	1004.7	2.0
S4		16	4	2	3	10	4	11	CON324	1009.7	1004.7	1009.7	1004.7	2.0
S4		17	4	2	3	11	1	12	CON331	976.4	980.4	976.4	980.4	2.0
S4		18	4	2	3	11	2	12	CON332	976.1	980.1	976.1	980.1	2.0
S4		19	4	2	3	11	3	12	CON333	976.1	980.1	976.1	980.1	2.0
S4		20	4	2	3	11	4	12	CON334	976.1	980.1	976.1	980.1	2.0

S5	S5C1	1	5	1	1	4	2	0	CON112	1064.4	1057.4	1064.4	1057.4	2.0
S5		2	5	1	1	4	3	1	CON113	1064.4	1057.4	1064.4	1057.4	2.0
S5		3	5	1	1	4	4	2	CON114	1064.4	1061.7	1064.4	1061.7	2.0
S5		4	5	1	4	17	1	3	CON411	990.0	994.0	990.0	994.0	2.0
S5		5	5	1	4	17	2	3	CON412	984.8	988.8	984.8	988.8	2.0
S5		6	5	1	4	17	3	3	CON413	984.8	988.8	984.8	988.8	2.0
S5		7	5	1	4	17	4	3	CON414	984.8	988.8	984.8	988.8	2.0
S5		8	5	1	4	18	1	4	CON421	1015.5	1008.5	1015.5	1008.5	2.0
S5		9	5	1	4	18	2	4	CON422	1012.1	1005.1	1012.1	1005.1	2.0
S5		10	5	1	4	18	3	4	CON423	1012.1	1005.1	1012.1	1005.1	2.0
S5		11	5	1	4	18	4	4	CON424	1012.1	1005.1	1012.1	1005.1	2.0
S5		12	5	1	4	19	1	5	CON431	968.6	971.6	968.6	971.6	2.0
S5		13	5	1	4	19	2	5	CON432	968.1	971.1	968.1	971.1	2.0
S5		14	5	1	4	19	3	5	CON433	968.1	971.1	968.1	971.1	2.0
S5		15	5	1	4	19	4	5	CON434	968.1	971.1	968.1	971.1	2.0
S5		16	5	1	4	20	1	6	CON441	1006.0	995.0	1006.0	995.0	2.0
S5		17	5	1	4	20	2	6	CON442	1004.7	993.7	1004.7	993.7	2.0
S5		18	5	1	4	20	3	6	CON443	1004.7	993.7	1004.7	993.7	2.0
S5		19	5	1	4	20	4	6	CON444	1004.7	993.7	1004.7	993.7	2.0
S5	S5C2	1	5	2	2	8	1	7	CON211	981.1	971.1	981.1	971.1	2.0
S5		2	5	2	2	8	2	7	CON212	981.1	971.1	981.1	971.1	2.0
S5		3	5	2	2	8	3	7	CON213	981.1	971.1	981.1	971.1	2.0
S5		4	5	2	2	8	4	8	CON214	981.1	971.1	981.1	971.1	2.0
S5		5	5	2	2	9	1	8	CON221	969.6	972.6	969.6	972.6	2.0
S5		6	5	2	2	9	2	9	CON222	969.6	972.6	969.6	972.6	2.0
S5		7	5	2	2	9	3	9	CON223	969.6	972.6	969.6	972.6	2.0
S5		8	5	2	2	9	4	9	CON224	969.6	972.6	969.6	972.6	2.0
S5		9	5	2	3	12	1	10	CON311	980.4	976.4	980.4	976.4	2.0
S5		10	5	2	3	12	2	10	CON312	980.1	976.1	980.1	976.1	2.0
S5		11	5	2	3	12	3	10	CON313	980.1	976.1	980.1	976.1	2.0
S5		12	5	2	3	12	4	10	CON314	980.1	976.1	980.1	976.1	2.0
S5		13	5	2	3	13	1	11	CON321	1005.5	1010.5	1005.5	1010.5	2.0
S5		14	5	2	3	13	2	11	CON322	1004.7	1009.7	1004.7	1009.7	2.0
S5		15	5	2	3	13	3	11	CON323	1004.7	1009.7	1004.7	1009.7	2.0
S5		16	5	2	3	13	4	11	CON324	1004.7	1009.7	1004.7	1009.7	2.0
S5		17	5	2	3	14	1	12	CON331	979.6	967.6	979.6	967.6	2.0
S5		18	5	2	3	14	2	12	CON332	973.9	961.9	973.9	961.9	2.0
S5		19	5	2	3	14	3	12	CON333	973.9	961.9	973.9	961.9	2.0
S5		20	5	2	3	14	4	12	CON334	973.9	961.9	973.9	961.9	2.0
S6	S6C1	1	6	1	1	4	1	0	CON112	1130.5	1125.6	1130.5	1125.6	4.0
S6		2	6	1	1	5	3	1	CON113	1063.5	1061.4	1063.5	1061.4	4.0
S6		3	6	1	1	5	4	2	CON114	1063.5	1061.4	1063.5	1061.4	4.0
S6		4	6	1	4	21	1	3	CON411	976.8	978.8	976.8	978.8	4.0
S6		5	6	1	4	21	2	3	CON412	973.5	975.5	973.5	975.5	4.0
S6		6	6	1	4	21	3	3	CON413	973.5	975.5	973.5	975.5	4.0
S6		7	6	1	4	21	4	3	CON414	973.5	975.5	973.5	975.5	4.0
S6		8	6	1	4	22	1	4	CON421	1013.7	998.7	1013.7	998.7	4.0
S6		9	6	1	4	22	2	4	CON422	1011.8	996.8	1011.8	996.8	4.0
S6		10	6	1	4	22	3	4	CON423	1011.8	996.8	1011.8	996.8	4.0
S6		11	6	1	4	22	4	4	CON424	1011.8	996.8	1011.8	996.8	4.0
S6		12	6	1	4	23	1	5	CON431	974.9	978.9	974.9	978.9	4.0
S6		13	6	1	4	23	2	5	CON432	969.0	973.0	969.0	973.0	4.0
S6		14	6	1	4	23	3	5	CON433	969.0	973.0	969.0	973.0	4.0
S6		15	6	1	4	23	4	5	CON434	969.0	973.0	969.0	973.0	4.0
S6		16	6	1	4	24	1	6	CON441	1023.0	1014.0	1023.0	1014.0	4.0
S6		17	6	1	4	24	2	6	CON442	1012.2	1003.2	1012.2	1003.2	4.0
S6		18	6	1	4	24	3	6	CON443	1012.2	1003.2	1012.2	1003.2	4.0
S6		19	6	1	4	24	4	6	CON444	1012.2	1003.2	1012.2	1003.2	4.0
S6	S6C2	1	6	2	2	10	1	7	CON211	977.1	966.1	977.1	966.1	4.0
S6		2	6	2	2	10	2	7	CON212	977.1	966.1	977.1	966.1	4.0
S6		3	6	2	2	10	3	7	CON213	977.1	966.1	977.1	966.1	4.0
S6		4	6	2	2	10	4	8	CON214	977.1	966.1	977.1	966.1	4.0
S6		5	6	2	3	15	1	10	CON311	969.1	976.1	969.1	976.1	4.0
S6		6	6	2	3	15	2	10	CON312	968.2	975.2	968.2	975.2	4.0
S6		7	6	2	3	15	3	10	CON313	968.2	975.2	968.2	975.2	4.0
S6		8	6	2	3	15	4	10	CON314	968.2	975.2	968.2	975.2	4.0
S6		9	6	2	3	16	1	11	CON321	1007.9	998.9	1007.9	998.9	4.0
S6		10	6	2	3	16	2	11	CON322	1007.6	998.6	1007.6	998.6	4.0
S6		11	6	2	3	16	3	11	CON323	1007.6	998.6	1007.6	998.6	4.0
S6		12	6	2	3	16	4	11	CON324	1007.6	998.6	1007.6	998.6	4.0
S6		13	6	2	3	17	1	12	CON331	984.1	991.1	984.1	991.1	4.0
S6		14	6	2	3	17	2	12	CON332	970.1	977.1	970.1	977.1	4.0
S6		15	6	2	3	17	3	12	CON333	970.1	977.1	970.1	977.1	4.0
S6		16	6	2	3	17	4	12	CON334	970.1	977.1	970.1	977.1	4.0

S7	S7C1	1	7	1	1	5	1	0	CON112	1127.6	1130.6	1127.6	1130.6	6.0
S7		2	7	1	1	5	2	1	CON113	1127.6	1130.6	1127.6	1130.6	6.0
S7		3	7	1	1	6	4	2	CON114	1060.6	1052.3	1060.6	1052.3	6.0
S7		4	7	1	4	25	1	3	CON411	980.6	980.6	980.6	980.6	6.0
S7		5	7	1	4	25	2	3	CON412	977.5	977.5	977.5	977.5	6.0
S7		6	7	1	4	25	3	3	CON413	977.5	977.5	977.5	977.5	6.0
S7		7	7	1	4	25	4	3	CON414	977.5	977.5	977.5	977.5	6.0
S7		8	7	1	4	26	1	4	CON421	1010.5	995.5	1010.5	995.5	6.0
S7		9	7	1	4	26	2	4	CON422	1010.5	995.5	1010.5	995.5	6.0
S7		10	7	1	4	26	3	4	CON423	1010.5	995.5	1010.5	995.5	6.0
S7		11	7	1	4	26	4	4	CON424	1010.5	995.5	1010.5	995.5	6.0
S7		12	7	1	4	27	1	5	CON431	977.9	988.9	977.9	988.9	6.0
S7		13	7	1	4	27	2	5	CON432	966.7	977.7	966.7	977.7	6.0
S7		14	7	1	4	27	3	5	CON433	966.7	977.7	966.7	977.7	6.0
S7		15	7	1	4	27	4	5	CON434	966.7	977.7	966.7	977.7	6.0
S7		16	7	1	4	28	1	6	CON441	1030.1	1026.1	1030.1	1026.1	6.0
S7		17	7	1	4	28	2	6	CON442	1012.2	1008.2	1012.2	1008.2	6.0
S7		18	7	1	4	28	3	6	CON443	1012.2	1008.2	1012.2	1008.2	6.0
S7		19	7	1	4	28	4	6	CON444	1012.2	1008.2	1012.2	1008.2	6.0
S7	S7C2	1	7	2	2	11	1	7	CON211	970.3	977.3	970.3	977.3	6.0
S7		2	7	2	2	11	2	7	CON212	970.3	977.3	970.3	977.3	6.0
S7		3	7	2	2	11	3	7	CON213	970.3	977.3	970.3	977.3	6.0
S7		4	7	2	2	11	4	8	CON214	970.3	977.3	970.3	977.3	6.0
S7		5	7	2	2	12	1	8	CON221	977.5	967.5	977.5	967.5	6.0
S7		6	7	2	2	12	2	9	CON222	977.5	967.5	977.5	967.5	6.0
S7		7	7	2	2	12	3	9	CON223	977.5	967.5	977.5	967.5	6.0
S7		8	7	2	2	12	4	9	CON224	977.5	967.5	977.5	967.5	6.0
S7		9	7	2	3	18	1	10	CON311	983.0	968.0	983.0	968.0	6.0
S7		10	7	2	3	18	2	10	CON312	982.2	967.2	982.2	967.2	6.0
S7		11	7	2	3	18	3	10	CON313	982.2	967.2	982.2	967.2	6.0
S7		12	7	2	3	18	4	10	CON314	982.2	967.2	982.2	967.2	6.0
S7		13	7	2	3	19	1	11	CON321	1007.4	1011.4	1007.4	1011.4	6.0
S7		14	7	2	3	19	2	11	CON322	1004.1	1008.1	1004.1	1008.1	6.0
S7		15	7	2	3	19	3	11	CON323	1004.1	1008.1	1004.1	1008.1	6.0
S7		16	7	2	3	19	4	11	CON324	1004.1	1008.1	1004.1	1008.1	6.0
S7		17	7	2	3	20	1	12	CON331	998.5	987.5	998.5	987.5	6.0
S7		18	7	2	3	20	2	12	CON332	984.2	973.2	984.2	973.2	6.0
S7		19	7	2	3	20	3	12	CON333	984.2	973.2	984.2	973.2	6.0
S7		20	7	2	3	20	4	12	CON334	984.2	973.2	984.2	973.2	6.0
S8	S8C1	1	8	1	1	6	1	0	CON112	1136.3	1129.2	1136.3	1129.2	8.0
S8		2	8	1	1	6	2	1	CON113	1136.3	1119.3	1136.3	1119.3	8.0
S8		3	8	1	1	6	3	2	CON114	1136.3	1119.3	1136.3	1119.3	8.0
S8		4	8	1	4	29	1	3	CON411	964.2	977.2	964.2	977.2	8.0
S8		5	8	1	4	29	2	3	CON412	964.2	977.2	964.2	977.2	8.0
S8		6	8	1	4	29	3	3	CON413	964.2	977.2	964.2	977.2	8.0
S8		7	8	1	4	29	4	3	CON414	964.2	977.2	964.2	977.2	8.0
S8		8	8	1	4	30	1	4	CON421	1009.3	1004.3	1009.3	1004.3	8.0
S8		9	8	1	4	30	2	4	CON422	1007.8	1002.8	1007.8	1002.8	8.0
S8		10	8	1	4	30	3	4	CON423	1007.8	1002.8	1007.8	1002.8	8.0
S8		11	8	1	4	30	4	4	CON424	1007.8	1002.8	1007.8	1002.8	8.0
S8		12	8	1	4	31	1	5	CON431	1031.0	1001.0	1031.0	1001.0	8.0
S8		13	8	1	4	31	2	5	CON432	1016.3	986.3	1016.3	986.3	8.0
S8		14	8	1	4	31	3	5	CON433	1016.3	986.3	1016.3	986.3	8.0
S8		15	8	1	4	31	4	5	CON434	1016.3	986.3	1016.3	986.3	8.0
S8		16	8	1	4	32	1	6	CON441	1066.6	1065.6	1066.6	1065.6	8.0
S8		17	8	1	4	32	2	6	CON442	1048.3	1047.3	1048.3	1047.3	8.0
S8		18	8	1	4	32	3	6	CON443	1048.3	1047.3	1048.3	1047.3	8.0
S8		19	8	1	4	32	4	6	CON444	1048.3	1047.3	1048.3	1047.3	8.0
S8	S8C2	1	8	2	2	13	1	7	CON211	972.2	982.2	972.2	982.2	8.0
S8		2	8	2	2	13	2	7	CON212	972.2	982.2	972.2	982.2	8.0
S8		3	8	2	2	13	3	7	CON213	972.2	982.2	972.2	982.2	8.0
S8		4	8	2	2	13	4	8	CON214	972.2	982.2	972.2	982.2	8.0
S8		5	8	2	2	14	1	8	CON221	982.7	971.7	982.7	971.7	8.0
S8		6	8	2	2	14	2	9	CON222	982.7	971.7	982.7	971.7	8.0
S8		7	8	2	2	14	3	9	CON223	982.7	971.7	982.7	971.7	8.0
S8		8	8	2	2	14	4	9	CON224	982.7	971.7	982.7	971.7	8.0
S8		9	8	2	3	21	1	10	CON311	976.3	980.3	976.3	980.3	8.0
S8		10	8	2	3	21	2	10	CON312	976.1	980.1	976.1	980.1	8.0
S8		11	8	2	3	21	3	10	CON313	976.1	980.1	976.1	980.1	8.0
S8		12	8	2	3	21	4	10	CON314	976.1	980.1	976.1	980.1	8.0
S8		13	8	2	3	22	1	11	CON321	1023.6	1014.6	1023.6	1014.6	8.0
S8		14	8	2	3	22	2	11	CON322	1020.1	1011.1	1020.1	1011.1	8.0
S8		15	8	2	3	22	3	11	CON323	1020.1	1011.1	1020.1	1011.1	8.0
S8		16	8	2	3	22	4	11	CON324	1020.1	1011.1	1020.1	1011.1	8.0
S9	S9C1		9	1										

Slot #	1	2	3	4	5	6	7	8
First row	15	50	89	124	163	202	237	276
Last row	49	88	123	162	201	236	275	310
Look up rng	SP\$15:SR\$49	SP\$50:SR\$88	SP\$89:SR\$123	SP\$124:SR\$162	SP\$163:SR\$201	SP\$202:SR\$236	SP\$237:SR\$275	SP\$276:SR\$310

Maximum L: 1136.3 Minimum L: 960.2

Slot#	1	2	3	4	5	6	7
CabCode	S1C1	S1C2	S2C1	S2C2	S3C1	S3C2	S4C1
First row	15	34	50	69	89	108	124
Last row	33	49	68	88	107	123	142
#of rows	19	16	19	20	19	16	19