



GENERAL ANNOUNCEMENT
Generic Copy

28-Dec-2005

SUBJECT: ON Semiconductor General Announcement #15212

TITLE: Pb-free Conversion - Backward Compatibility

EFFECTIVE DATE: 28-Dec-2005

AFFECTED PRODUCT DIVISION: ON Semiconductor

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

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DESCRIPTION AND PURPOSE:

On October 4, 2005, ON Semiconductor released a General Announcement (#15026) stating our intent to convert our customers over to Pb-free products by the end of 2006. We also stated that our products are backwards compatible but excluded the T03 and T0-92 packages. These packages are now backward compatible. Customers who have not yet converted their board solder processes over to Pb-free should not delay as the Pb-free products supplied by ON Semiconductor can be used in standard SnPb and Pb-free processes.

NOTE: Exception for BGA and Flip Chip products. These packages are not backward compatible.



AFFECTED DEVICE LIST

2N3055	2N4401RLRMG	2N5089RLREG	2N5551RLRAG
2N3055A	2N4401RLRP	2N5210RLRA	2N5551RLRM
2N3055AG	2N4401RLRPG	2N5302	2N5551RLRMG
2N3055G	2N4403	2N5302G	2N5551RLRP
2N3055H	2N4403RL	2N5400	2N5551RLRPG
2N3055HG	2N4403RLG	2N5400G	2N5551ZL1
2N3442	2N4403RLRA	2N5400RLRP	2N5551ZL1G
2N3442G	2N4403RLRAG	2N5400RLRPG	2N5555
2N3771	2N4403RLRM	2N5401	2N5631
2N3771G	2N4403RLRMG	2N5401G	2N5631G
2N3772	2N4403RLRP	2N5401RL1	2N5638RLRA
2N3772G	2N4403RLRPG	2N5401RL1G	2N5638RLRAG
2N3773	2N5038	2N5401RLRA	2N5639
2N3773G	2N5038G	2N5401RLRAG	2N5639G
2N3819	2N5060	2N5401RLRM	2N5639RLRA
2N3903RLRM	2N5060G	2N5401RLRMG	2N5639RLRAG
2N3904	2N5060RLRA	2N5401ZL1	2N5684
2N3904G	2N5060RLRAG	2N5401ZL1G	2N5684G
2N3904RL1	2N5060RLRM	2N5457	2N5686
2N3904RL1G	2N5060RLRMG	2N5457G	2N5686G
2N3904RLRA	2N5061	2N5458	2N5883
2N3904RLRM	2N5061G	2N5458G	2N5883G
2N3904RLRMG	2N5061RLRA	2N5460	2N5884
2N3904RLRP	2N5061RLRAG	2N5460G	2N5884G
2N3904RLRPG	2N5062	2N5461	2N5885
2N3904ZL1	2N5062G	2N5461G	2N5885G
2N3904ZL1G	2N5062RLRA	2N5461RLRA	2N5886
2N3906	2N5062RLRAG	2N5461RLRAG	2N5886G
2N3906G	2N5064	2N5462	2N6027
2N3906RL1	2N5064G	2N5462G	2N6027G
2N3906RL1G	2N5064RLRA	2N5485	2N6027RL1
2N3906RLRA	2N5064RLRAG	2N5485G	2N6027RL1G
2N3906RLRAG	2N5064RLRM	2N5486	2N6027RLRA
2N3906RLRM	2N5064RLRMG	2N5486G	2N6027RLRAG
2N3906RLRMG	2N5087	2N5486RLRP	2N6028
2N3906RLRP	2N5087G	2N5486RLRPG	2N6028G
2N3906RLRPG	2N5087RLRA	2N5550	2N6028RLRA
2N3906ZL1	2N5087RLRAG	2N5550G	2N6028RLRAG
2N3906ZL1G	2N5088	2N5550RLRA	2N6028RLRM
2N4123RLRM	2N5088G	2N5550RLRAG	2N6028RLRMG
2N4124	2N5088RLRA	2N5550RLRP	2N6028RLRP
2N4124G	2N5088RLRAG	2N5550RLRPG	2N6028RLRPG
2N4401	2N5089	2N5551	2N6031
2N4401G	2N5089G	2N5551G	2N6031G
2N4401RLRA	2N5089RLRA	2N5551RL1	2N6052
2N4401RLRAG	2N5089RLRAG	2N5551RL1G	2N6052G
2N4401RLRM	2N5089RLRE	2N5551RLRA	2N6282



AFFECTED DEVICE LIST

2N6282G	BC182A	BC327RL1	BC449
2N6284	BC182AG	BC327RL1G	BC449A
2N6284G	BC182B	BC327ZL1	BC449AG
2N6286	BC182BG	BC327ZL1G	BC449G
2N6286G	BC182BRL1	BC337	BC487
2N6287	BC182BRL1G	BC337-016	BC487B
2N6287G	BC182G	BC337-016G	BC487BG
2N6338	BC212B	BC337-025	BC487BRL1
2N6338G	BC212BG	BC337-025G	BC487G
2N6341	BC212BRL1	BC337-040	BC488BRL1
2N6341G	BC212BRL1G	BC337-040G	BC488BRL1G
2N6426	BC237	BC337-16RL1	BC489
2N6426RLRA	BC237B	BC337-16RL1G	BC489A
2N6426RLRAG	BC237BG	BC337-16ZL1	BC489AG
2N6427	BC237BRL1	BC337-16ZL1G	BC489AZL1
2N6427G	BC237BRL1G	BC337-25RL1	BC489AZL1G
2N6427RLRA	BC237BZL1	BC337-25RL1G	BC489BZL1
2N6427RLRAG	BC237BZL1G	BC337-25ZL1	BC489BZL1G
2N6515	BC237C	BC337-40RL1	BC489G
2N6515RLRM	BC237CG	BC337-40RL1G	BC489RL1
2N6515RLRMG	BC237G	BC337-40ZL1	BC489RL1G
2N6517	BC239C	BC337-40ZL1G	BC490
2N6517G	BC239CG	BC337G	BC490A
2N6517RLRA	BC307B	BC337RL1	BC490AG
2N6517RLRAG	BC307BG	BC337RL1G	BC490AZL1
2N6517RLRP	BC307BRL1	BC337ZL1	BC490AZL1G
2N6517RLRPG	BC307BRL1G	BC337ZL1G	BC490G
2N6520RLRA	BC307BZL1	BC338-25ZL1	BC517
2N6520RLRAG	BC307BZL1G	BC338-25ZL1G	BC517G
2N6609	BC307C	BC368	BC517RL1
2N6609G	BC307CG	BC368G	BC517RL1G
2N7000	BC327	BC368ZL1	BC517ZL1
2N7000G	BC327-016	BC368ZL1G	BC517ZL1G
2N7000RLRA	BC327-016G	BC369	BC546B
2N7000RLRAG	BC327-025	BC369G	BC546BG
2N7000RLRM	BC327-025G	BC369ZL1	BC546BRL1
2N7000RLRMG	BC327-040	BC369ZL1G	BC546BRL1G
2N7000RLRP	BC327-040G	BC372	BC546BZL1
2N7000RLRPG	BC327-16ZL1	BC372G	BC546BZL1G
2N7008G	BC327-16ZL1G	BC373	BC547ARL
2N7008RLRAG	BC327-25RL1	BC373G	BC547ARL1
2N7008RLREG	BC327-25RL1G	BC373RL1	BC547ARL1G
2SA1020	BC327-25ZL1	BC373RL1G	BC547ARLG
2SA1020G	BC327-25ZL1G	BC373ZL1	BC547AZL1
2SA1020RLRA	BC327-40ZL1	BC373ZL1G	BC547AZL1G
2SA1020RLRAG	BC327-40ZL1G	BC447	BC547B
BC182	BC327G	BC447G	BC547BG



AFFECTED DEVICE LIST

BC547BRL1	BC560CG	BF422	J110RLRAG
BC547BRL1G	BC560CZL1	BF422G	J111RL1
BC547BZL1	BC560CZL1G	BF422RL1	J111RL1G
BC547BZL1G	BC618	BF422RL1G	J111RLRA
BC547C	BC618G	BF422ZL1	J111RLRAG
BC547CG	BC618RL1	BF422ZL1G	J111RLRP
BC547CZL1	BC618RL1G	BF423	J111RLRPG
BC547CZL1G	BC635RL1	BF423G	J112
BC548B	BC635RL1G	BF423ZL1	J112G
BC548BG	BC635ZL1	BF423ZL1G	J112RL1
BC548BRL1	BC635ZL1G	BF493S	J112RL1G
BC548BRL1G	BC637	BF493SG	J112RLRA
BC548BZL1	BC637G	BF959	J112RLRAG
BC548BZL1G	BC638	BF959G	J309
BC548C	BC638G	BF959RL1	J309G
BC548CG	BC638ZL1	BF959RL1G	J310
BC548CZL1	BC638ZL1G	BF959ZL1	J310G
BC548CZL1G	BC639	BF959ZL1G	J310RLRP
BC549C	BC639-16ZL1	BS107	J310RLRPG
BC549CG	BC639-16ZL1G	BS107A	J310ZL1
BC550C	BC639G	BS107AG	J310ZL1G
BC550CG	BC639RL1	BS107ARL1	LC945P
BC556B	BC639RL1G	BS107ARL1G	LC945PG
BC556BG	BC639ZL1	BS107G	LC945PRLRA
BC556BZL1	BC639ZL1G	BS108	LC945PRLRAG
BC556BZL1G	BC640	BS108G	LC945Q
BC557AZL1	BC640-016	BS108ZL1	LC945QG
BC557AZL1G	BC640-016G	BS108ZL1G	LM285Z-1.2
BC557B	BC640G	BS170	LM285Z-1.2G
BC557BG	BC640ZL1	BS170G	LM285Z-1.2RA
BC557BRL1	BC640ZL1G	BS170RL1	LM285Z-1.2RAG
BC557BRL1G	BDC01DRL1	BS170RL1G	LM285Z-2.5
BC557BZL1	BDC01DRL1G	BS170RLRA	LM285Z-2.5G
BC557BZL1G	BDC02DRLRP	BS170RLRAG	LM285Z-2.5RA
BC557C	BDC02DRLRPG	BS170RLRM	LM285Z-2.5RAG
BC557CG	BF245A	BS170RLRMG	LM285Z-2.5RP
BC557CZL1	BF245B	BS170RLRP	LM285Z-2.5RPG
BC557CZL1G	BF256A	BS170RLRPG	LM2931AZ-5.0
BC558BRL	BF256AG	BS170ZL1	LM2931AZ-5.0G
BC558BRL1	BF393	BS170ZL1G	LM2931AZ-5.0RA
BC558BRL1G	BF393G	BUV21	LM2931AZ-5.0RAG
BC558BRLG	BF393ZL1	BUV21G	LM2931AZ-5.0RP
BC558BZL1	BF393ZL1G	BUV22	LM2931AZ-5.0RPG
BC558BZL1G	BF420ZL1	BUV22G	LM2931Z-5.0
BC558CZL1	BF420ZL1G	J110	LM2931Z-5.0G
BC558CZL1G	BF421ZL1	J110G	LM2931Z-5.0RA
BC560C	BF421ZL1G	J110RLRA	LM2931Z-5.0RAG



AFFECTED DEVICE LIST

LM2931Z-5.0RP	LP2950ACZ-3.3	MAC997A6RLRPG	MC34064P-5RM
LM2931Z-5.0RPG	LP2950ACZ-3.3G	MAC997A8	MC34064P-5RMG
LM317LBZ	LP2950ACZ-3.3RA	MAC997A8G	MC34064P-5RP
LM317LBZG	LP2950ACZ-3.3RAG	MAC997A8RL1	MC34064P-5RPG
LM317LBZRA	LP2950ACZ-5.0	MAC997A8RL1G	MC34164P-003
LM317LBZRAG	LP2950ACZ-5.0G	MAC997A8RLRP	MC34164P-005
LM317LBZRP	LP2950ACZ-5.0RA	MAC997A8RLRPG	MC34164P-3G
LM317LBZRPG	LP2950ACZ-5.0RAG	MAC997B6	MC34164P-3RP
LM317LZ	LP2950CZ-3.0	MAC997B6G	MC34164P-3RPG
LM317LZG	LP2950CZ-3.0G	MAC997B6RL1	MC34164P-5G
LM317LZRA	LP2950CZ-3.0RA	MAC997B6RL1G	MC34164P-5RA
LM317LZRAG	LP2950CZ-3.0RAG	MAC997B6RLRP	MC34164P-5RAG
LM317LZRE	LP2950CZ-3.3	MAC997B6RLRPG	MC34164P-5RP
LM317LZRM	LP2950CZ-3.3G	MAC997B8	MC34164P-5RPG
LM317LZRP	LP2950CZ-3.3RA	MAC997B8G	MC78L05ABP
LM317LZRPG	LP2950CZ-3.3RAG	MAC997B8RL1	MC78L05ABPG
LM385BZ-1.2	LP2950CZ-5.0	MAC997B8RL1G	MC78L05ABPRA
LM385BZ-1.2G	LP2950CZ-5.0G	MAC997B8RLRP	MC78L05ABPRAG
LM385BZ-1.2RA	LP2950CZ-5.0RA	MAC997B8RLRPG	MC78L05ABPRE
LM385BZ-1.2RAG	LP2950CZ-5.0RAG	MBD101	MC78L05ABPREG
LM385BZ-2.5	LP2950CZ-5.0RP	MBD101G	MC78L05ABPRM
LM385BZ-2.5G	LP2950CZ-5.0RPG	MBD301	MC78L05ABPRMG
LM385BZ-2.5RA	LV2209	MBD301G	MC78L05ACP
LM385BZ-2.5RAG	LV2209G	MBD701	MC78L05ACPG
LM385Z-1.2	MAC97A4	MBD701G	MC78L05ACPRA
LM385Z-1.2G	MAC97A4G	MC33064P-005	MC78L05ACPRAG
LM385Z-1.2RA	MAC97A6	MC33064P-5G	MC78L05ACPRE
LM385Z-1.2RAG	MAC97A6G	MC33064P-5RA	MC78L05ACPREG
LM385Z-1.2RP	MAC97A6RL1	MC33064P-5RAG	MC78L05ACPRM
LM385Z-1.2RPG	MAC97A6RL1G	MC33064P-5RP	MC78L05ACPRMG
LM385Z-2.5	MAC97A6RLRF	MC33064P-5RPG	MC78L05ACPRP
LM385Z-2.5G	MAC97A6RLRFG	MC33164P-003	MC78L05ACPRPG
LM385Z-2.5RP	MAC97A6RLRP	MC33164P-005	MC78L08ABP
LM385Z-2.5RPG	MAC97A6RLRPG	MC33164P-3G	MC78L08ABPG
LM9014B	MAC97A8	MC33164P-3RA	MC78L08ABPRA
LM9014C	MAC97A8G	MC33164P-3RAG	MC78L08ABPRAG
LM9014D	MAC97A8RL1	MC33164P-3RP	MC78L08ABPRP
LM9015C	MAC97A8RL1G	MC33164P-3RPG	MC78L08ABPRPG
LM9015CG	MAC97A8RLRM	MC33164P-5G	MC78L08ACP
LM9018H	MAC97A8RLRMG	MC33164P-5RA	MC78L08ACPG
LM9018HG	MAC97A8RLRP	MC33164P-5RAG	MC78L08ACPRA
LMAC94A4	MAC97A8RLRPG	MC33164P-5RP	MC78L08ACPRAG
LMAC94A4G	MAC997A6	MC33164P-5RPG	MC78L08ACPRA
LP2950ACZ-3.0	MAC997A6G	MC34064P-005	MC78L08ACPREG
LP2950ACZ-3.0G	MAC997A6RL1	MC34064P-5G	MC78L08ACPRP
LP2950ACZ-3.0RA	MAC997A6RL1G	MC34064P-5RA	MC78L08ACPRPG
LP2950ACZ-3.0RAG	MAC997A6RLRP	MC34064P-5RAG	MC78L09ABPRA



AFFECTED DEVICE LIST

MC78L09ABPRAG	MC78L24ACPRP	MC79L24ACPRPG	MJ11030G
MC78L09ABPRP	MC78L24ACPRPG	MCR100-003	MJ11032
MC78L09ABPRPG	MC79L05ABP	MCR100-004	MJ11032G
MC78L09ACP	MC79L05ABPG	MCR100-006	MJ11033
MC78L09ACPG	MC79L05ABPRA	MCR100-008	MJ11033G
MC78L12ABP	MC79L05ABPRAG	MCR100-3G	MJ14001
MC78L12ABPG	MC79L05ACP	MCR100-3RL	MJ14001G
MC78L12ABPRP	MC79L05ACPG	MCR100-4G	MJ14002
MC78L12ABPRPG	MC79L05ACPRA	MCR100-6G	MJ14002G
MC78L12ACP	MC79L05ACPRAG	MCR100-6RL	MJ14003
MC78L12ACPG	MC79L05ACPRM	MCR100-6RLG	MJ14003G
MC78L12ACPRA	MC79L05ACPRMG	MCR100-6RLRA	MJ15001
MC78L12ACPRAG	MC79L05ACPRP	MCR100-6RLRAG	MJ15001G
MC78L12ACPRE	MC79L05ACPRPG	MCR100-6RLRM	MJ15002
MC78L12ACPREG	MC79L12ABP	MCR100-6RLRMG	MJ15002G
MC78L12ACPRM	MC79L12ABPG	MCR100-6ZL1	MJ15003
MC78L12ACPRMG	MC79L12ABPRA	MCR100-6ZL1G	MJ15003G
MC78L12ACPRP	MC79L12ABPRAG	MCR100-8G	MJ15004
MC78L12ACPRPG	MC79L12ACP	MCR100-8RL	MJ15004G
MC78L15ABP	MC79L12ACPG	MCR100-8RLG	MJ15011
MC78L15ABPG	MC79L12ACPRA	MCR22-006	MJ15011G
MC78L15ABPRA	MC79L12ACPRAG	MCR22-008	MJ15012
MC78L15ABPRAG	MC79L12ACPRP	MCR22-2RL1	MJ15012G
MC78L15ABPRP	MC79L12ACPRPG	MCR22-2RL1G	MJ15015
MC78L15ABPRPG	MC79L15ABP	MCR22-6G	MJ15015G
MC78L15ACP	MC79L15ABPG	MCR22-6RLRA	MJ15016
MC78L15ACPG	MC79L15ABPRP	MCR22-6RLRAG	MJ15016G
MC78L15ACPRA	MC79L15ABPRPG	MCR22-6RLRP	MJ15020
MC78L15ACPRAG	MC79L15ACP	MCR22-6RLRPG	MJ15020G
MC78L15ACPRP	MC79L15ACPG	MCR22-8G	MJ15021
MC78L15ACPRPG	MC79L15ACPRA	MCR22-8RL1	MJ15021G
MC78L18ABP	MC79L15ACPRAG	MCR22-8RL1G	MJ15022
MC78L18ABPG	MC79L15ACPRE	MJ11012	MJ15022G
MC78L18ACP	MC79L15ACPREG	MJ11012G	MJ15023
MC78L18ACPG	MC79L15ACPRP	MJ11015	MJ15023G
MC78L18ACPRA	MC79L15ACPRPG	MJ11015G	MJ15024
MC78L18ACPRAG	MC79L18ABPRP	MJ11016	MJ15024G
MC78L18ACPRM	MC79L18ABPRPG	MJ11016G	MJ15025
MC78L18ACPRMG	MC79L18ACP	MJ11021	MJ15025G
MC78L18ACPRP	MC79L18ACPG	MJ11021G	MJ21193
MC78L18ACPRPG	MC79L24ABP	MJ11022	MJ21193G
MC78L24ABP	MC79L24ABPG	MJ11022G	MJ21194
MC78L24ABPG	MC79L24ACP	MJ11028	MJ21194G
MC78L24ACP	MC79L24ACPG	MJ11028G	MJ21195
MC78L24ACPG	MC79L24ACPRM	MJ11029	MJ21195G
MC78L24ACPRA	MC79L24ACPRMG	MJ11029G	MJ21196
MC78L24ACPRAG	MC79L24ACPRP	MJ11030	MJ21196G



AFFECTED DEVICE LIST

MJ21294	MPS2369RLRA	MPS650	MPS6725RLRPG
MJ21294G	MPS2369RLRAG	MPS650G	MPS6726
MJ2955	MPS2907A	MPS650RLRA	MPS6726G
MJ2955G	MPS2907AG	MPS650RLRAG	MPS6727
MJ4502	MPS2907ARL	MPS650ZL1	MPS6727G
MJ4502G	MPS2907ARL1	MPS650ZL1G	MPS6729
MJ802	MPS2907ARL1G	MPS651	MPS6729G
MJ802G	MPS2907ARLG	MPS651G	MPS750
MPF102	MPS2907ARLRA	MPS651RLRA	MPS750G
MPF4392	MPS2907ARLRAG	MPS651RLRAG	MPS750RLRA
MPF4392G	MPS2907ARLRE	MPS651RLRM	MPS750RLRAG
MPF4393	MPS2907ARLREG	MPS651RLRMG	MPS750RLRP
MPF4393G	MPS2907ARLRM	MPS6521	MPS750RLRPG
MPF4393RLRP	MPS2907ARLRMG	MPS6521G	MPS751
MPF4393RLRPG	MPS2907ARLRP	MPS6521RLRA	MPS751G
MPN3404	MPS2907ARLRPG	MPS6521RLRAG	MPS751RLRA
MPN3404G	MPS2907AZL1	MPS6523	MPS751RLRAG
MPN3700	MPS2907AZL1G	MPS6523G	MPS751RLRP
MPN3700G	MPS3563	MPS6560	MPS751RLRPG
MPS2222	MPS3563G	MPS6560G	MPS751ZL1
MPS2222A	MPS3563RLRA	MPS6601	MPS751ZL1G
MPS2222ACRLRP	MPS3563RLRAG	MPS6601G	MPS8098
MPS2222ACRLRPG	MPS3638A	MPS6601RLRA	MPS8098G
MPS2222AG	MPS3638AG	MPS6601RLRAG	MPS8098RLRA
MPS2222ARL	MPS3646	MPS6602	MPS8098RLRAG
MPS2222ARLG	MPS3646G	MPS6602G	MPS8099
MPS2222ARLRA	MPS3646RLRA	MPS6602RLRA	MPS8099G
MPS2222ARLRAG	MPS3646RLRAG	MPS6602RLRAG	MPS8099RLRA
MPS2222ARLRM	MPS4124	MPS6651	MPS8099RLRAG
MPS2222ARLRMG	MPS4124G	MPS6651G	MPS8099RLRM
MPS2222ARLRP	MPS4124RLRA	MPS6652	MPS8099RLRMG
MPS2222ARLRPG	MPS4124RLRAG	MPS6652G	MPS8099RLRP
MPS2222AZL1	MPS4126RLRA	MPS6652RLRA	MPS8099RLRPG
MPS2222AZL1G	MPS4126RLRAG	MPS6652RLRAG	MPS8598RLRA
MPS2222G	MPS4250	MPS6652RLRP	MPS8598RLRAG
MPS2222RLRA	MPS4250ARLRM	MPS6652RLRPG	MPS8599
MPS2222RLRAG	MPS4250ARLRMG	MPS6717	MPS8599G
MPS2222RLRM	MPS4250G	MPS6717G	MPS8599RLRA
MPS2222RLRMG	MPS4356RLRA	MPS6717RLRA	MPS8599RLRAG
MPS2222RLRP	MPS4356RLRAG	MPS6717RLRAG	MPS8599RLRM
MPS2222RLRPG	MPS5172	MPS6724	MPS8599RLRMG
MPS2369	MPS5172G	MPS6724G	MPS918
MPS2369A	MPS5172RLRM	MPS6724RLRA	MPS918G
MPS2369AG	MPS5172RLRMG	MPS6724RLRAG	MPSA05
MPS2369ARLRP	MPS5179	MPS6725	MPSA05G
MPS2369ARLRPG	MPS5179RLRA	MPS6725G	MPSA05RLRA
MPS2369G	MPS5179RLRP	MPS6725RLRP	MPSA05RLRAG



AFFECTED DEVICE LIST

MPSA05RLRM	MPSA27G	MPSA56RLRM	MPSA93RLRMG
MPSA05RLRMG	MPSA27RLRA	MPSA56RLRMG	MPSH10
MPSA06	MPSA27RLRAG	MPSA56RLRP	MPSH10G
MPSA06G	MPSA27RLRM	MPSA56RLRPG	MPSH10RLRA
MPSA06RL	MPSA27RLRMG	MPSA56ZL1	MPSH10RLRP
MPSA06RL1	MPSA28	MPSA56ZL1G	MPSH10RLRPG
MPSA06RL1G	MPSA28G	MPSA63	MPSH17
MPSA06RLG	MPSA28RLRP	MPSA63G	MPSH17G
MPSA06RLRA	MPSA28RLRPG	MPSA63RLRA	MPSH17RLRA
MPSA06RLRAG	MPSA29	MPSA63RLRAG	MPSH17RLRAG
MPSA06RLRM	MPSA29G	MPSA63RLRM	MPSW01
MPSA06RLRMG	MPSA29RLRP	MPSA63RLRMG	MPSW01A
MPSA06RLRP	MPSA29RLRPG	MPSA63RLRP	MPSW01AG
MPSA06RLRPG	MPSA42	MPSA63RLRPG	MPSW01ARLRA
MPSA12	MPSA42G	MPSA63ZL1	MPSW01ARLRAG
MPSA12G	MPSA42RL1	MPSA63ZL1G	MPSW01ARLRP
MPSA12RLRA	MPSA42RL1G	MPSA64	MPSW01ARLRPG
MPSA12RLRAG	MPSA42RLRA	MPSA64G	MPSW01G
MPSA12RLRP	MPSA42RLRAG	MPSA64RLRA	MPSW05
MPSA12RLRPG	MPSA42RLRF	MPSA64RLRAG	MPSW05G
MPSA13	MPSA42RLRFG	MPSA64RLRM	MPSW06
MPSA13G	MPSA42RLRM	MPSA64RLRMG	MPSW06G
MPSA13RLRA	MPSA42RLRMG	MPSA70RLRM	MPSW06RLRA
MPSA13RLRAG	MPSA42RLRP	MPSA70RLRMG	MPSW06RLRAG
MPSA13RLRM	MPSA42RLRPG	MPSA75RLRA	MPSW13RLRA
MPSA13RLRMG	MPSA42ZL1	MPSA75RLRAG	MPSW13RLRAG
MPSA13RLRP	MPSA42ZL1G	MPSA75RLRP	MPSW42
MPSA13RLRPG	MPSA43	MPSA75RLRPG	MPSW42G
MPSA13ZL1	MPSA43G	MPSA77	MPSW42RLRA
MPSA13ZL1G	MPSA43RLRA	MPSA77G	MPSW42RLRAG
MPSA14	MPSA43RLRAG	MPSA77RLRA	MPSW45
MPSA14G	MPSA43ZL1	MPSA77RLRAG	MPSW45A
MPSA14RLRA	MPSA43ZL1G	MPSA92	MPSW45AG
MPSA14RLRAG	MPSA44	MPSA92G	MPSW45ARLRA
MPSA14RLRP	MPSA44G	MPSA92RL1	MPSW45ARLRAG
MPSA14RLRPG	MPSA44RL1	MPSA92RL1G	MPSW45AZL1
MPSA18	MPSA44RL1G	MPSA92RLRA	MPSW45AZL1G
MPSA18G	MPSA44RLRA	MPSA92RLRAG	MPSW45G
MPSA18RLRA	MPSA44RLRAG	MPSA92RLRM	MPSW45RLRE
MPSA18RLRAG	MPSA55	MPSA92RLRMG	MPSW45RLREG
MPSA18RLRM	MPSA55G	MPSA92RLRP	MPSW51
MPSA18RLRMG	MPSA55RLRA	MPSA92RLRPG	MPSW51A
MPSA18RLRP	MPSA55RLRAG	MPSA92ZL1	MPSW51AG
MPSA18RLRPG	MPSA56	MPSA92ZL1G	MPSW51ARLRA
MPSA20	MPSA56G	MPSA93	MPSW51ARLRAG
MPSA20G	MPSA56RLRA	MPSA93G	MPSW51ARLRP
MPSA27	MPSA56RLRAG	MPSA93RLRM	MPSW51ARLRPG



AFFECTED DEVICE LIST

MPSW51G	NCV1009Z	SCR5129	SJ9622
MPSW55	NCV1009ZG	SCR5162-005	SPF3144QRLRP
MPSW55G	NCV33064P-5RA	SCR5182RLRE	SPF827-1RLRP
MPSW55RLRA	NCV33064P-5RAG	SCR5211	SPS5881RLRP
MPSW55RLRAG	NCV33064P-5RP	SCR5257	SPS6981
MPSW56RLRA	NCV33064P-5RPG	SCR5258	SPS7239RLRP
MPSW56RLRAG	P2N2222A	SCR5285RLRP	SPS7350RLRE
MPSW56RLRP	P2N2222AG	SCR5287RLRE	SPS7429RLRE
MPSW56RLRPG	P2N2222ARL1	SCR5290	SPS7947RLRM
MPSW63	P2N2222ARL1G	SCR5290RLRA	SPS8010RLRM
MPSW63G	P2N2222AZL1	SCR5292RLRA	SPS8253RLRP
MPSW63RLRA	P2N2222AZL1G	SCY1009ZTR	SPS8295-001
MPSW63RLRAG	P2N2369ZL1	SCY1009ZTRG	SPS8295-1ARLRM
MPSW92	P2N2369ZL1G	SJ4092	SPS8295-1RLRA
MPSW92G	P2N2907A	SJ41042	SPS8342
MPSW92RLRA	P2N2907AG	SJ5842	SPS8361
MPSW92RLRAG	P2N2907ARL1	SJ6425-001	SPS8361RLRM
MSD6100	P2N2907ARL1G	SJ6521A	SPS8403
MSD6100G	P2N2907AZL1	SJ6521AG	SPS8549RLRP
MSD6100RLRA	P2N2907AZL1G	SJ6522A	SPS8551RLRP
MSD6100RLRAG	PBF259RSRL1	SJ6522AG	SPS8631
MV104	PBF259RSRL1G	SJ71180	SPS8631ARLRM
MV104G	PBF259RSZL1	SJ7120	SPS8631RLRA
MV104RLRA	PBF259RSZL1G	SJ71200	SPS8631RLRM
MV104RLRAG	PBF493ZL1	SJ7140	SPS8697RLRA
MV209	PBF493ZL1G	SJ7147	SPS8701RLRA
MV209G	PN2222	SJ7148	SPS8751QRLRM
MV209RLRA	PN2222A	SJ7153	SPS8751QRLRP
MV209RLRAG	PN2222AG	SJ7157	SPS8753QRLRM
MV2101	PN2222ARLRA	SJ7157G	SPS8764QQLRB
MV2101G	PN2222ARLRAG	SJ7158	SPS8764QQLRP
MV2105	PN2222ARLRM	SJ7158G	SPS8874QQLRM
MV2105G	PN2222ARLRMG	SJ7159	SPS8913QQLRM
MV2109	PN2222ARLRP	SJ7160	SPS8913QQLRP
MV2109G	PN2222ARLRPG	SJ7195	SPS8913QQLRPG
MV2109RLRA	PN2222G	SJ7196	SPS9001
MV2109RLRAG	PN2907A	SJ73100	SPS9001RLRM
MV2109RLRP	PN2907AG	SJ73180	SPS9048QQLRE
MV2109RLRPG	PN2907ARLRA	SJ74140	SPS9284QQLRP
NCR169D	PN2907ARLRAG	SJ74200	SPS9287
NCR169DG	SAC997B6	SJ7443	SPS9347RLRA
NCR169DRLRA	SC74883PRA	SJ81180	SPS9370
NCR169DRLRAG	SCR100-6RLRA	SJ8274	SPS9370RLRM
NCR169DRLRM	SCR100-6RLRAG	SJ83100	SPS9385QQLRA
NCR169DRLRMG	SCR22-6RLRP	SJ83180	SPS9386QQLRA
NCR169DRLRP	SCR22-6RLRPG	SJ84140	SPS9386QQLRP
NCR169DRLRPG	SCR5064RLRM	SJ84200	SPS9399RLRP



AFFECTED DEVICE LIST

SPS9401QRLRM	SSV1MPSA06RLRA	TL431CLPRE	VN2410LZL1
SPS9401QRLRP	SSV1MPSA06RLRAG	TL431CLPREG	VN2410LZL1G
SPS9401QRLRPG	SSV1MPSA06RLRM	TL431CLPRM	
SPS9408RLRM	SSV1MPSA56	TL431CLPRMG	
SPS9418RLRM	SSV1MPSA56RLRA	TL431CLPRP	
SPS9434RLRA	SSV1MPSA56RLRM	TL431CLPRPG	
SPS9452RLRM	SY98004RLRE	TL431ILP	
SPS9457RLRM	SY98004RLREG	TL431ILPG	
SPS9458RLRM	SY98005RLREG	TL431ILPRA	
SPS9461RLRM	TE01829-001	TL431ILPRAG	
SPS9498QRLRP	TE01829-1G	TL431ILPRE	
SPS9498QRLRPG	TE02208	TL431ILPRM	
SPS9499QRLRM	TJ00742ZL1	TL431ILPRP	
SPS9499QRLRP	TL431ACL	TL431ILPRPG	
SPS9505RLRA	TL431ACLPG	TLV431ALP	
SPS9506RLRM	TL431ACLPR	TLV431ALPG	
SPS9522KRLRA	TL431ACLPRAG	TLV431ALPRA	
SPS9539QRLRM	TL431ACLPRE	TLV431ALPRAG	
SPS9539QRLRP	TL431ACLPREG	TLV431ALPRE	
SPS9544QRLRP	TL431ACLPRP	TLV431ALPREG	
SPS9549RLRA	TL431ACLPRPG	TLV431ALPRM	
SPS9550RLRA	TL431AILP	TLV431ALPRMG	
SPS9553RLRA	TL431AILPG	TLV431ALPRP	
SPS9557RLRA	TL431AILPRA	TLV431ALPRPG	
SPS9558RLRA	TL431AILPRAG	TLV431BLP	
SPS9565RLRA	TL431AILPRM	TLV431BLPG	
SPS9567RLRM	TL431AILPRMG	TLV431BLPRA	
SPS9569RLRA	TL431AILPRP	TLV431BLPRAG	
SPS9575RLRM	TL431AILPRPG	TLV431BLPRE	
SPS9585RLRA	TL431BCLP	TLV431BLPREG	
SPS9587QRLRP	TL431BCLPG	TLV431BLPRM	
SPS9590RLRE	TL431BCLPRA	TLV431BLPRMG	
SPS9590RLRM	TL431BCLPRAG	TLV431BLPRP	
SPS9594-1RLRP	TL431BCLPRE	TLV431BLPRPG	
SPS9596RLRM	TL431BCLPREG	TP00203	
SPS9597RLRM	TL431BCLPRM	TP00203G	
SPS9599	TL431BCLPRMG	TP00247ZL1	
SPS9599RLRM	TL431BILP	TP00247ZL1G	
SPS9600RLRE	TL431BILPG	TY40413RP	
SPS9606RLRM	TL431BILPRA	TYA33164P-5RP	
SPS9607RLRM	TL431BILPRAG	TYA33164P-5RPG	
SPS9609RLRM	TL431BVL	VN2222LL	
SPU145-2RLRA	TL431BVLPG	VN2222LLG	
SSJ1671	TL431CLP	VN2222LLRLRA	
SSV1MPS2907A	TL431CLPG	VN2222LLRLRAG	
SSV1MPSA06	TL431CLPRA	VN2410L	
SSV1MPSA06G	TL431CLPRAG	VN2410LG	