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Third-Party Programmer Support for GAL, ispGAL, ispGDX, ispLSI, ispPAC, ispMACH, MACH, and PALCE Devices

Rev. 3.8	Advin System	BP Microsystems	Data I/O	HiLo Systems	System General
Devices					
LC51024VG	CV	YES	CV	CV	CV
LC5768VG	CV	YES	CV	CV	CV
LC5256B	CV	CV	CV	YES	CV
LC5512B	CV	CV	CV	YES	CV
LC5384B	CV	CV	CV	YES	CV

Legend: CV = contact vendor
YES = supportd by vendor

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Rev. 3.8	Advin System	BP Microsystems	Data I/O	HiLo Systems	System General
Devices					
LC0432V	CV	YES	CV	CV	CV
LC0432B	CV	YES	CV	YES	CV
LC0432C	CV	YES	CV	CV	CV
LC0464V (32IO)	CV	YES	CV	CV	CV
LC0464B (32IO)	CV	YES	CV	YES	CV
LC0464C (32IO)	CV	YES	CV	CV	CV
LC4064V	CV	YES	CV	CV	CV
LC4064B	CV	YES	CV	YES	CV
LC4064C	CV	YES	CV	CV	CV
LC4128V	CV	YES	CV	CV	CV
LC4128B	CV	YES	CV	YES	CV
LC4128C	CV	YES	CV	CV	CV
LC4256V (160IO)	CV	YES	CV	CV	CV
LC4256B (160IO)	CV	YES	CV	CV	CV
LC4256C (160IO)	CV	YES	CV	CV	CV
LC4256V	CV	YES	CV	CV	CV
LC4256B	CV	YES	CV	CV	CV
LC4256C	CV	YES	CV	CV	CV
LC4384V	CV	YES	CV	CV	CV
LC4384B	CV	YES	CV	YES	CV
LC4384C	CV	YES	CV	CV	CV
LC4512V	CV	YES	CV	CV	CV
LC4512B	CV	YES	CV	YES	CV
LC4512C	CV	YES	CV	CV	CV

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Devices					
GAL16LV8C	YES	YES	YES	YES	YES
GAL16LV8Z/ZD	YES	YES	YES	CV	YES
GAL16LV8D	YES	YES	YES	YES	YES
GAL16V8/A/B	YES	YES	YES	YES	YES
GAL16V8C	YES	YES	YES	YES	YES
GAL16V8D	YES	YES	YES	YES	YES
GAL16V8Z	YES	YES	YES	YES	YES
GAL16V8ZD	YES	YES	YES	CV	YES
GAL16VP8B	YES	YES	YES	YES	YES
GAL18V10	YES	YES	YES	YES	YES
GAL18V10B	YES	YES	YES	YES	YES
GAL20LV8C	YES	YES	YES	YES	YES
GAL20LV8ZD	YES	YES	YES	CV	YES
GAL20LV8D	YES	YES	YES	YES	YES
GAL20RA10	YES	YES	YES	YES	YES
GAL20RA10B	YES	YES	YES	YES	YES
GAL20V8/A/B	YES	YES	YES	YES	YES
GAL20V8C	YES	YES	YES	YES	YES
GAL20V8D	YES	YES	YES	CV	YES
GAL20V8Z	YES	YES	YES	YES	YES
GAL20V8Z/ZD	YES	YES	YES	YES	YES
GAL20VP8B	YES	YES	YES	YES	YES
GAL20XV10B	YES	YES	YES	YES	YES
GAL22LV10Z/ZD	YES	YES	YES	CV	YES
GAL22LV10C	YES	YES	YES	YES	YES
GAL22LV10D	YES	YES	YES	YES	YES
GAL22V10	YES	YES	YES	YES	YES
GAL22V10B	YES	YES	YES	YES	YES
GAL22V10B-Q	YES	YES	YES	CV	YES
GAL22V10C	YES	YES	YES	YES	YES
GAL22V10D	YES	YES	YES	YES	YES
GAL26CLV12D	YES	YES	YES	YES	YES
GAL26CV12	YES	YES	YES	CV	YES
GAL26CV12B	YES	YES	YES	CV	YES
GAL26CV12C	YES	YES	YES	YES	YES
GAL6001/B	YES	YES	YES	YES	YES
GAL6002B	YES	YES	YES	YES	YES
ispGAL22V10	YES	YES	YES	YES	YES
ispGAL22V10B/C	YES	YES	YES	YES	YES
ispGAL22LV10	YES	YES	YES	CV	CV

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Devices					
ispGDX80A	CV	YES	YES	CV	CV
ispGDX80VA	CV	YES	CV	CV	CV
ispGDX120A	CV	YES	YES	CV	YES
ispGDX160	CV	YES	YES	CV	YES
ispGDX160A	CV	YES	CV	CV	CV
ispGDX160V	CV	YES	CV	CV	CV
ispGDX160VA	CV	YES	CV	CV	CV
ispGDX240VA	CV	CV	CV	CV	CV
ispGDS14	YES	YES	YES	YES	YES
ispGDS18	YES	YES	YES	YES	YES
ispGDS22	YES	YES	YES	YES	YES

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Devices					
ispPAC10	CV	YES	YES	CV	CV
ispPAC20	CV	YES	YES	CV	CV
ispPAC80	CV	YES	YES	CV	CV
ispPAC81	CV	YES	CV	CV	CV

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Devices					
ispLSI & pLSI 1016	YES	YES	YES	YES	YES
ispLSI & pLSI 1016E	YES	YES	YES	YES	YES
ispLSI 1016EA	CV	YES	CV	YES	CV
ispLSI & pLSI 1024	YES	YES	YES	YES	YES
ispLSI 1024EA	CV	YES	CV	CV	CV
ispLSI & pLSI 1032	YES	YES	YES	YES	YES
ispLSI & pLSI 1032E	YES	YES	YES	YES	YES
ispLSI 1032EA	CV	YES	CV	CV	CV
ispLSI & pLSI 1048	YES	YES	YES	YES	YES
ispLSI & pLSI 1048C	YES	YES	YES	YES	YES
ispLSI & pLSI 1048E	YES	YES	YES	YES	YES
ispLSI 1048EA	CV	YES	CV	CV	YES
ispLSI & pLSI 2032	YES	YES	YES	YES	YES
ispLSI 2032A	CV	YES	YES	YES	YES
ispLSI 2032E	CV	YES	YES	YES	YES
ispLSI 2032LV	CV	YES	YES	CV	YES
ispLSI 2032V	CV	YES	YES	CV	YES
ispLSI 2032VE	CV	YES	YES	CV	YES
ispLSI 2032VL	CV	YES	CV	CV	YES
ispLSI & pLSI 2064	YES	YES	YES	YES	YES
ispLSI 2064A	CV	YES	YES	YES	YES
ispLSI 2064E	CV	YES	YES	YES	YES
ispLSI 2064V	CV	YES	YES	CV	YES
ispLSI 2064VE	CV	YES	YES	YES	YES
ispLSI 2064VL	CV	YES	CV	CV	YES
ispLSI & pLSI 2096	YES	YES	YES	YES	YES
ispLSI 2096A	CV	YES	CV	CV	YES
ispLSI 2096E	CV	YES	YES	CV	YES
ispLSI 2096V	CV	YES	YES	CV	YES
ispLSI 2096VE	CV	YES	YES	CV	YES
ispLSI 2096VL	CV	YES	CV	CV	YES
ispLSI & pLSI 2128	YES	YES	YES	CV	YES
ispLSI 2128A	CV	YES	CV	CV	CV
ispLSI 2128E	CV	YES	CV	CV	CV
ispLSI 2128V	CV	YES	YES	CV	YES
ispLSI 2128VE	CV	YES	YES	CV	YES
ispLSI 2128VL	CV	YES	CV	CV	YES
ispLSI 2192VE	CV	YES	YES	CV	YES
ispLSI 2192VL	CV	YES	CV	CV	YES

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Rev. 3.8	Advin System	BP Microsystems	Data I/O	HiLo Systems	System General
Devices					
ispLSI & pLSI 3160	CV	YES	YES	CV	YES
ispLSI & pLSI 3192	YES	YES	YES	CV	YES
ispLSI & pLSI 3256	YES	YES	YES	CV	YES
ispLSI 3256A	YES	YES	YES	CV	YES
ispLSI 3256E	CV	YES	YES	CV	YES
ispLSI 3320	CV	YES	YES	CV	YES
ispLSI 3448	CV	YES	YES	CV	CV

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Rev. 3.8	Advin System	BP Microsystems	Data I/O	HiLo Systems	System General
Devices					
ispLSI 5128VE	CV	YES	CV	CV	CV
ispLSI 5256VA	CV	YES	CV	CV	YES
ispLSI 5256VE	CV	YES	CV	CV	CV
ispLSI 5384VA	CV	YES	CV	CV	YES
ispLSi 5384VE	CV	YES	CV	CV	CV
ispLSI 5512VA	CV	YES	CV	CV	YES
ispLSI 5512VE	CV	YES	CV	CV	CV

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Rev. 3.8	Advin System	BP Microsystems	Data I/O	HiLo Systems	System General
Devices					
ispLSI 8600V	CV	YES	CV	CV	YES
ispLSI 8840	CV	CV	CV	CV	CV
ispLSI 8840V	CV	YES	CV	CV	YES
ispLSI 81080V	CV	YES	CV	CV	YES

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Rev. 3.8	Advin System	BP Microsystems	Data I/O	HiLo Systems	System General
Devices					
MACH 110	YES	YES	YES	YES	YES
MACH 111	YES	YES	YES	YES	YES
MACH 111SP	YES	YES	YES	YES	YES
MACH 120	YES	YES	YES	YES	YES
MACH 130	YES	YES	YES	YES	YES
MACH 131	YES	YES	YES	YES	YES
MACH 131SP	YES	YES	YES	YES	YES
MACH 131/1	YES	YES	YES	YES	YES
MACH 210	YES	YES	YES	YES	YES
MACH 210A	YES	YES	YES	YES	YES
MACH 211	YES	YES	YES	YES	YES
MACH 211SP	YES	YES	YES	YES	YES
MACH 215	YES	YES	YES	YES	YES
MACH 220	YES	YES	YES	YES	YES
MACH 221	YES	YES	YES	YES	YES
MACH 221SP	YES	YES	YES	YES	YES
MACH 221/1	CV	YES	YES	YES	YES
MACH 230	YES	YES	YES	YES	YES
MACH 355	YES	YES	YES	YES	YES
MACH 231SP	YES	YES	YES	YES	YES
MACH 231SP	YES	YES	YES	YES	YES
MACH 231/1	YES	YES	YES	YES	YES
MACHLV 210	YES	YES	YES	YES	YES

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Rev. 3.8	Advin System	BP Microsystems	Data I/O	HiLo Systems	System General
Devices					
MACH 355	YES	YES	YES	YES	YES
MACH 435	YES	YES	YES	YES	YES
MACH 436	YES	YES	YES	YES	YES
MACH 445	YES	YES	YES	YES	YES
MACH 446	YES	YES	YES	YES	YES
MACH 465	YES	YES	YES	YES	YES
MACH 466	YES	YES	YES	YES	YES
MACHLV 436	YES	YES	YES	YES	YES
MACHLV 446	YES	YES	YES	YES	YES
MACHLV 446	YES	YES	YES	YES	YES
MACHLV 466	YES	YES	YES	YES	YES
M4-32/32	YES	YES	YES	YES	YES
M4-64/32	YES	YES	YES	YES	YES
M4-96/48	CV	YES	YES	YES	YES
M4-128N/64	YES	YES	YES	YES	YES
M4-128/64	YES	YES	YES	YES	YES
M4-256/128	YES	YES	YES	YES	CV
M4-192/96	CV	YES	YES	YES	YES
M4LV-32/32	YES	YES	YES	YES	YES
M4LV-64/32	YES	YES	YES	YES	YES
M4LV-96/48	CV	YES	YES	YES	YES
M4LV-128N/64	YES	YES	YES	YES	YES
M4LV-128/64	YES	YES	YES	YES	YES
M4LV-192/96	CV	YES	YES	YES	YES
M4LV-256/128	CV	YES	YES	YES	YES

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Rev. 3.8	Advin System	BP Microsystems	Data I/O	HiLo Systems	System General
Devices					
iM4A5-32/32	YES	YES	YES	YES	YES
iM4A5-64/32	YES	YES	YES	YES	YES
iM4A5-96/48	CV	YES	CV	CV	CV
iM4A5-128/64	CV	YES	YES	YES	YES
iM4A5-192/96	CV	YES	YES	CV	CV
iM4A5-256/128	CV	YES	CV	CV	CV
iM4A3-32/32	YES	YES	YES	YES	YES
iM4A3-64/32	YES	YES	YES	YES	CV
iM4A3-64/64	CV	YES	CV	YES	CV
iM4A3-96/48	CV	YES	CV	CV	CV
iM4A3-128/64	CV	YES	YES	YES	YES
iM4A3-192/96	CV	YES	YES	YES	CV
iM4A3-256/128	CV	YES	YES	YES	YES
iM4A3-256/128	CV	3.53	CV	CV	CV
iM4A3-256/160	CV	YES	CV	YES	CV
iM4A3-256/192	CV	YES	CV	CV	CV
iM4A3-384/160	CV	YES	CV	CV	CV
iM4A3-384/192	CV	YES	CV	CV	CV
iM4A3-512/160	CV	YES	CV	CV	CV
iM4A3-512/192	CV	YES	CV	CV	CV
iM4A3-512/256	CV	YES	CV	CV	CV

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Rev. 3.8	Advin System	BP Microsystems	Data I/O	HiLo Systems	System General
Devices					
M5-128/68	YES	YES	YES	YES	YES
M5-128/104	CV	YES	YES	YES	YES
M5-128/120	YES	YES	YES	YES	YES
M5-192/68	YES	YES	YES	YES	YES
M5-192/104	CV	YES	YES	YES	YES
M5-192/120	YES	YES	YES	YES	YES
M5-192/160	YES	YES	YES	YES	YES
M5-256/68	YES	YES	YES	YES	YES
M5-256/120	CV	YES	YES	YES	YES
M5-256/160	YES	YES	YES	YES	YES
M5-128/68 VC/1	CV	YES	CV	YES	CV
M5-128/104 YC/1	CV	YES	CV	CV	CV
M5-128/120 YC/1	CV	YES	CV	YES	CV
M5-192/68 VC/1	CV	YES	CV	YES	CV
M5-192/120 YC/1	CV	YES	CV	YES	CV
M5-256/68 VC/1	CV	YES	CV	YES	CV
M5-256/120 YC/1	CV	YES	YES	YES	CV
M5-256/160 YC/1	CV	YES	YES	YES	CV
M5-320/120	CV	YES	YES	YES	YES
M5-320/160	YES	YES	YES	YES	YES
M5-320/184	CV	YES	YES	YES	YES
M5-320/192	CV	YES	YES	YES	YES
M5-384/120	CV	YES	YES	YES	YES
M5-384/160	YES	YES	YES	YES	YES
M5-384/184	CV	YES	YES	YES	YES
M5-384/192	CV	YES	YES	YES	YES
M5-512/120	CV	YES	YES	YES	YES
M5-512/160	YES	YES	YES	YES	YES
M5-512/184	CV	YES	YES	YES	YES
M5-512/192	CV	YES	YES	YES	YES
M5-512/256	CV	YES	YES	YES	YES
M5LV-128/68	CV	YES	YES	YES	YES
M5LV-128/74	CV	YES	YES	YES	YES
M5LV-128/104	CV	YES	YES	YES	YES
M5LV-128/120	CV	YES	YES	YES	YES
M5LV-256/68	CV	YES	YES	YES	YES
M5LV-256/74	CV	YES	YES	YES	YES
M5LV-256/104	CV	YES	YES	YES	YES
M5LV-256/120	CV	YES	YES	YES	YES
M5LV-256/160	CV	YES	YES	YES	YES
M5LV-320/120	CV	YES	YES	YES	YES
M5LV-320/160	YES	YES	YES	YES	YES
M5LV-320/184	CV	YES	YES	YES	YES
M5LV-320/192	CV	YES	YES	YES	YES
M5LV-384/120	CV	YES	YES	YES	YES
M5LV-384/160	YES	YES	YES	YES	YES
M5LV-384/184	CV	YES	YES	YES	YES
M5LV-384/192	CV	YES	YES	YES	YES
M5LV-512/120	CV	YES	YES	YES	YES
M5LV-512/160	YES	YES	YES	YES	YES
M5LV-512/184	CV	YES	YES	YES	YES
M5LV-512/192	CV	YES	YES	YES	YES
M5LV-512/256	CV	YES	YES	YES	YES

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Devices					
PALCE 16V8H	CV	YES	YES	YES	CV
PALCE 16V8H/Q-XX/4/5	YES	YES	YES	YES	YES
PALCE 16V8Z-XX	YES	YES	YES	YES	YES
PALCE 20RA10H-XX	YES	YES	YES	YES	YES
PALCE 20V8H/Q-XX/4/5	YES	YES	YES	YES	YES
PALCE 22V10H/Q-XX/4/5	YES	YES	YES	YES	YES
PALCE 22V10Z	YES	YES	YES	YES	YES
PALCE 24V10	YES	YES	YES	YES	YES
PALCE 26V12-XX/4	YES	YES	YES	YES	YES
PALCE 29M16/4	YES	YES	YES	YES	YES
PALCE 29MA16/4	YES	YES	YES	YES	YES
PALCE 610H-XX	YES	YES	YES	YES	YES
PALLV 16V8-XX	YES	YES	YES	YES	YES
PALLV 16V8Z-XX	YES	YES	YES	YES	YES
PALLV 22V10	YES	YES	YES	YES	YES
PALLV 22V10Z-XX/5	YES	YES	YES	YES	YES

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