

Third-Party Programmer Support for LatticeECP2S/MS, LatticeXP2, LatticeXP, MachXO, ispXPLD, ispXPGA, ispMACH, MACH, ispPAC, ispGDX, ispGAL and PALCE Devices.

Lattice approved Third-Party Programmers for customer programming, direct factory programming, or programming by Lattice's distributors. Contact Third-Party Programmer for available package support.

Approved Third-Party Programmers Contacts

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FPGA Family

LatticeECP2S Devices	BPM Microsystems	Data I/O	HiLo Systems	System General
LFE2-6SE	CVS	CV	CV	CV
LFE2-12SE	CVS	CV	CV	CVS
LFE2-20SE	CVS	CV	CV	CVS
LFE2-35SE	CVS	CV	CV	CVS
LFE2-50SE	CVS	CV	CV	CVS
LFE2-70SE	CVS	CV	CV	CV

LatticeECP2MS Devices	BPM Microsystems	Data I/O	HiLo Systems	System General
LFE2M20SE	CVS	CV	CV	CVS
LFE2M35SE	CVS	CV	CV	CVS
LFE2M50SE	CVS	CV	CV	CVS
LFE2M70SE	CV	CV	CV	CV
LFE2M100SE	CV	CV	CV	CV

LatticeXP2 Devices	BPM Microsystems	Data I/O	HiLo Systems	System General
LFXP2-5E	CVS	CV	CV	YES
LFXP2-8E	CVS	CV	CV	YES
LFXP2-17E	CVS	CV	CV	CV
LFXP2-30E	CVS	CV	CV	CV
LFXP2-40E	CVS	CV	CV	CV

LatticeXP Devices	BPM Microsystems	Data I/O	HiLo Systems	System General
LFXP3C	YES	CV	YES	YES
LFXP3E	YES	CV	YES	CVS
LFXP6C	YES	CV	YES	YES
LFXP6E	YES	CV	YES	CVS
LFXP10C	YES	CV	YES	CVS
LFXP10E	YES	CV	CV	CVS
LFXP15C	CVS	CV	YES	CVS
LFXP15E	CVS	CV	YES	CVS
LFXP20C	YES	CV	CV	CVS
LFXP20E	CVS	CV	CV	CVS

ispXPGA Devices	BPM Microsystems	Data I/O	HiLo Systems	System General
LFX125B	CVS	CV	CV	YES
LFX125C	CV	CV	CV	CVS
LFX200B	CVS	CV	CV	CV
LFX200C	CV	CV	CV	CV
LFX500B	CV	CV	CV	CV
LFX500C	CV	CV	CV	CV
LFX1200B	CV	CV	CV	CV
LFX1200C	CV	CV	CV	CV

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CPLD Family

MachXO Devices	BPM Microsystems	Data I/O	HiLo Systems	System General
LCMXO256C	YES	CV	YES	YES
LCMXO256E	YES	CV	YES	CVS
LCMXO640C	YES	CV	YES	YES
LCMXO640E	YES	CV	CV	YES
LCMXO1200C	YES	CV	YES	YES
LCMXO1200E	CVS	CV	YES	YES
LCMXO2280C	YES	CV	YES	YES
LCMXO2280E	CVS	CV	YES	CVS

ispXPLD Devices	BPM Microsystems	Data I/O	HiLo Systems	System General
LC5256MV	CV	CV	CV	YES
LC5256MB	CV	CV	CV	YES
LC5256MC	CV	CV	CV	YES
LC5512MV	YES	CV	CV	YES
LC5512MB	CVS	CV	CV	YES
LC5512MC	CV	CV	CV	YES
LC5768MV	YES	CV	CV	YES
LC5768MB	YES	CV	CV	CVS
LC5768MC	CV	CV	CV	CV
LC51024MV	YES	CV	CV	YES
LC51024MB	CVS	CV	CV	CVS
LC51024MC	YES	CVS	CV	YES

ispMACH 4000ZE Devices	BPM Microsystems	Data I/O	HiLo Systems	System General
LC4032ZE	CVS	CV	CV	CVS
LC4064ZE	YES	CV	CV	CVS
LC4128ZE	CVS	CV	CV	CVS
LC4256ZE	CVS	CV	CV	CVS

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CPLD Family					
ispMACH 4000					
Devices	BPM Microsystems	Data I/O	HiLo Systems	System General	Xeltek
LC4032V	YES	YES	YES	YES	YES
LC4032B	YES	YES	YES	YES	YES
LC4032C	YES	CV	YES	YES	YES
LC0432ZC	YES	CV	YES	YES	CV
LC0464V (32IO)	YES	YES	YES	YES	YES
LC0464B (32IO)	YES	YES	YES	YES	YES
LC0464C (32IO)	YES	CV	YES	YES	YES
LC0464V (64IO)	YES	YES	YES	YES	YES
LC4064B (64IO)	YES	YES	YES	YES	YES
LC4064C (64IO)	YES	YES	YES	YES	YES
LC4064ZC(64IO)	YES	CV	YES	YES	CVS
LC4128V	YES	YES	YES	YES	YES
LC4128B	YES	YES	YES	YES	YES
LC4128C	YES	YES	YES	YES	YES
LC4128ZC	YES	CV	YES	YES	CVS
LC4256V (160IO)	YES	YES	CV	CV	CV
LC4256B (160IO)	YES	YES	CV	CV	CV
LC4256C (160IO)	YES	CV	CV	CV	CV
LC4256V	YES	YES	YES	YES	YES
LC4256B	YES	YES	YES	YES	YES
LC4256C	YES	YES	YES	YES	YES
LC4256ZC	YES	CV	YES	YES	CV
LC4384V	YES	YES	YES	YES	YES
LC4384B	YES	YES	YES	YES	YES
LC4384C	YES	CV	YES	YES	YES
LC4512V	YES	YES	YES	YES	YES
LC4512B	YES	YES	YES	YES	YES
LC4512C	YES	CV	YES	YES	YES

ispMACH 4A					
Devices	Advin System	BPM Microsystems	Data I/O	HiLo Systems	System General
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	YES	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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ispCLOCK Family

ispPAC-CLK Devices	BPM Microsystems	Data I/O	Hi-Lo Systems	System General
ispPAC-CLK5304S	CV	CV	CVS	CVS
ispPAC-CLK5308S	CVS	CV	CV	CV
ispPAC-CLK5312S	YES	CV	CVS	CV
ispPAC-CLK5316S	CVS	CV	CV	CV
ispPAC-CLK5320S	CVS	CV	CV	CV
ispPAC-CLK-5610AV	YES	CV	CVS	CV
ispPAC-CLK5620AV	YES	CV	CVS	CV

Power Manager Family

ispPAC-POWR II Devices	BPM Microsystems	Data I/O	Hi-Lo Systems	System General
ispPACPOWR607	CVS	CV	CV	CV
ispPAC-POWR6AT6	CV	CV	CV	CV
ispPAC-POWR1014	CV	CV	CVS	CV
ispPAC-POWR1014A	YES	CV	CVS	CV
ispPAC-POWR1220AT8	CVS	CV	CVS	CV

ispPAC-POWR Devices	BPM Microsystems	Data I/O	Hi-Lo Systems	System General
ispPAC-POWR604	YES	CV	YES	YES
ispPAC-POWR1208	YES	CV	YES	YES
ispPAC-POWR1208P1	YES	CV	YES	YES

Digital Interconnect Family

ispGDX2 Devices	Advin System	BPM Microsystems	Data I/O	HiLo Systems	System General
LX64C-2R	CV	CVS	CV	CV	CV
LX256V-2R	CV	CV	CV	CV	YES
LX256V	CV	CV	CV	CV	YES

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SPLD Family

ispGAL Devices	Advin System	BPM Microsystems	Data I/O	Hi-LO Systems	System General	Xeltek
ispGAL22V10AV	YES	CVS	CVS	YES	YES	CVS
ispGAL22V10AB	YES	CVS	CVS	YES	YES	CVS
ispGAL22V10AC	YES	CVS	CVS	CV	YES	CVS
ispGAL22V10	YES	YES	YES	CV	YES	CV
ispGAL22V10B/C	YES	YES	YES	CV	YES	CV
ispGAL22LV10	YES	YES	YES	CV	CV	CV

GAL Devices	Advin System	BPM Microsystems	Data I/O	System General
GAL16LV8C	YES	YES	YES	YES
GAL16LV8Z/ZD	YES	YES	YES	YES
GAL16LV8D	YES	YES	YES	YES
GAL16V8/A/B	YES	YES	YES	YES
GAL16V8C	YES	YES	YES	YES
GAL16V8D	YES	YES	YES	YES
GAL16V8Z	YES	YES	YES	YES
GAL16V8ZD	YES	YES	YES	YES
GAL18V10	YES	YES	YES	YES
GAL18V10B	YES	YES	YES	YES
GAL20LV8C	YES	YES	YES	YES
GAL20RA10	YES	YES	YES	YES
GAL20RA10B	YES	YES	YES	YES
GAL20V8/A/B	YES	YES	YES	YES
GAL20V8C	YES	YES	YES	YES
GAL20V8D	YES	YES	YES	YES
GAL22LV10C	YES	YES	YES	YES
GAL22V10	YES	YES	YES	YES
GAL22V10B	YES	YES	YES	YES
GAL22V10B-Q	YES	YES	YES	YES
GAL22V10C	YES	YES	YES	YES
GAL22V10D	YES	YES	YES	YES
GAL26CLV12D	YES	YES	YES	YES
GAL26CV12	YES	YES	YES	YES
GAL26CV12B	YES	YES	YES	YES
GAL26CV12C	YES	YES	YES	YES

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ispLSI 1000 Devices		Advin System	BPM Microsystems	Data I/O	System General
ispLSI & pLSI 1016	YES	YES	YES	YES	YES
ispLSI & pLSI 1016E	YES	YES	YES	YES	YES
ispLSI 1016EA	CV	YES	YES	CV	CV
ispLSI & pLSI 1024	YES	YES	YES	YES	YES
ispLSI 1024EA	CV	YES	YES	CV	CV
ispLSI & pLSI 1032	YES	YES	YES	YES	YES
ispLSI & pLSI 1032E	YES	YES	YES	YES	YES
ispLSI 1032EA	CV	YES	YES	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	YES	CV	YES

ispLSI 2000 Devices		Advin System	BPM Microsystems	Data I/O	System General
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	YES	YES
ispLSI 2032V	CV	YES	YES	YES	YES
ispLSI 2032VE-44PLCC	CV	YES	YES	YES	YES
ispLSI 2032VE-44TQFP	CV	YES	YES	YES	YES
ispLSI 2032VE-48TQFP	CV	YES	YES	YES	YES
ispLSI 2032VL-44PLCC	CV	YES	YES	CV	YES
ispLSI 2032VL-44TQFP	CV	YES	YES	CV	YES
ispLSI 2032VL-48TQFP	CV	YES	YES	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	YES	YES
ispLSI 2064VE-44PLCC	CV	YES	YES	YES	YES
ispLSI 2064VE-44TQFP	CV	YES	YES	YES	YES
ispLSI 2064VE-84PLCC	CV	YES	YES	YES	YES
ispLSI 2064VE-100TQFP	CV	YES	YES	YES	YES
ispLSI 2064VL-44PLCC	CV	YES	YES	CV	YES
ispLSI 2064VL-44TQFP	CV	YES	YES	CV	YES
ispLSI 2064VL-100TQFP	CV	YES	YES	CV	YES
ispLSI & pLSI 2096	YES	YES	YES	YES	YES
ispLSI 2096A	CV	YES	YES	CV	YES
ispLSI 2096E	CV	YES	YES	YES	YES
ispLSI 2096V	CV	YES	YES	YES	YES
ispLSI 2096VE	CV	YES	YES	YES	YES
ispLSI 2096VL	CV	YES	YES	CV	YES
ispLSI & pLSI 2128	YES	YES	YES	YES	YES
ispLSI 2128A	CV	YES	YES	CV	CV
ispLSI 2128E	CV	YES	YES	CV	CV
ispLSI 2128V	CV	YES	YES	YES	YES
ispLSI 2128VE-84PLCC	CV	YES	YES	YES	YES
ispLSI 2128VE-100TQFP	CV	YES	YES	YES	YES
ispLSI 2128VE-160PQFP	CV	YES	YES	YES	YES
ispLSI 2128VE-176TQFP	CV	YES	YES	YES	YES
ispLSI 2128VE-208FPBGA	CV	CV	YES	YES	YES
ispLSI 2128VL-100TQFP	CV	YES	YES	CV	YES
ispLSI 2128VL-160PQFP	CV	YES	YES	CV	YES
ispLSI 2128VL-176TQFP	CV	YES	YES	CV	YES
ispLSI 2128VL-208FPBGA	CV	CV	YES	CV	YES
ispLSI 2192VE	CV	YES	YES	YES	YES
ispLSI 2192VL	CV	YES	YES	CV	YES

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ispLSI 3000 Devices		Advin System	BPM Microsystems	Data I/O	System General
ispLSI & pLSI 3160		CV	YES	YES	YES
ispLSI & pLSI 3192		YES	YES	YES	YES
ispLSI & pLSI 3256		YES	YES	YES	YES
ispLSI 3256A		YES	YES	YES	YES
ispLSI 3256E		CV	YES	YES	YES
ispLSI 3320		CV	YES	YES	YES
ispLSI 3448		CV	YES	YES	CV

ispLSI 5000 Devices		BPM Microsystems	Data I/O	System General
ispLSI 5256VA		YES	CV	YES
ispLSI 5384VA		YES	CV	YES
ispLSI 5512VA		YES	CV	YES

ispLSI 5000VE Devices		BPM Microsystems	Data I/O	System General
ispLSI 5128VE		YES	CV	CV
ispLSI 5256VE		YES	CV	CV
ispLSi 5384VE		YES	CV	CV
ispLSI 5512VE		YES	CV	CV

ispMACH 5000VG Devices		BPM Microsystems	Data I/O	HiLo Systems	System General
LC51024VG		YES	CV	CV	YES
LC5768VG		YES	CV	CV	YES

ispMACH 5000B Devices		BPM Microsystems	Data I/O	HiLo Systems	System General
LC5256B		YES	CV	YES	YES
LC5512B		CVS	CV	YES	YES
LC5384B		CVS	CV	YES	YES

ispLSI 8000 Devices		BPM Microsystems	Data I/O	System General
ispLSI 8600V		YES	CV	YES
ispLSI 8840		CV	CV	CV
ispLSI 8840V		YES	CV	YES
ispLSI 81080V		YES	CV	YES

ispGDS Devices		Advin System	BPM Microsystems	Data I/O	HiLo Systems	System General
ispGDS14		YES	YES	YES	YES	YES
ispGDS18		YES	YES	YES	YES	YES
ispGDS22		YES	YES	YES	YES	YES

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ispGDX and ispGDXV Devices	Advin System	BPM Microsystems	Data I/O	HiLo Systems	System General
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	CVS	YES	CV	CV	CV
ispGDX240VA	CV	YES	CV	CV	YES

PALCE Devices	Advin System	BPM Microsystems	Data I/O	HiLo Systems	System General
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

GAL Devices	Advin System	BPM Microsystems	Data I/O	System General
GAL16VP8B	YES	YES	YES	YES
GAL20LV8D	YES	YES	YES	YES
GAL20LV8ZD	YES	YES	YES	YES
GAL20V8Z	YES	YES	YES	YES
GAL20V8ZD	YES	YES	YES	YES
GAL20VP8B	YES	YES	YES	YES
GAL20XV10B	YES	YES	YES	YES
GAL22LV10Z	YES	YES	YES	YES
GAL22LV10ZD	YES	YES	YES	YES
GAL26CLV12D	YES	YES	YES	YES
GAL6001B	YES	YES	YES	YES
GAL6002B	YES	YES	YES	YES

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MACH 1 and MACH 2 Devices	Advin System	BPM Microsystems	Data I/O	HiLo Systems	System General
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

MACH 3 and Mach 4 Devices	Advin System	BPM Microsystems	Data I/O	HiLo Systems	System General
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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Mature Family					
MACH 5 and MACH 5/1 Devices	Advin System	BPM Microsystems	Data I/O	HiLo Systems	System General
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

Legend: YES = supported by vendor.
CV = contact vendor

Approved Third Party Programmers

Rev 5.00

Mature Family

ispPAC-CLK5000V		BPM	Data	Hi-Lo	System
Devices		Microsystems	I/O	Systems	General
ispPAC-CLK5510V		YES	CV	CV	CVS
ispPAC-CLK5520V		YES	CV	CV	CVS
ispPAC-CLK-5610V		YES	CV	CV	CV
ispPAC-CLK5620V		YES	CV	CV	CV

ispPAC		BPM	Data	Hi-Lo	System
Devices		Microsystems	I/O	Systems	General
ispPAC10		YES	YES	CV	CV
ispPAC20		YES	YES	CV	CV
ispPAC80		YES	YES	CV	CV
ispPAC81		YES	CV	CV	CV

Legend: YES = supported by vendor

CVS = Contact vendor. Device samples have been provided to vendor.

CV = Contact vendor