

NuTool - PinView Revision History

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1 Revision History

Version	Release Date	Description
3.09	2022/06/02	<ul style="list-style-type: none"> Updated NUC029MDE pin44 assignment (PF8->PB8). Updated KM1M7 register names.
3.08	2021/12/24	<ul style="list-style-type: none"> Added supported microcontroller: <ul style="list-style-type: none"> Nuvoton M4 Family: M460 series. Nuvoton M23 Family: M258G series. Nuvoton M7 Family: KM1M7B series.
3.07	2021/06/30	<ul style="list-style-type: none"> Added supported microcontroller: <ul style="list-style-type: none"> Nuvoton M7 Family: KM1M7 series.
3.06	2021/03/31	<ul style="list-style-type: none"> Added supported microcontroller: <ul style="list-style-type: none"> NuMicro M0 Family: M031G series, M032BTAIAAN, M032BTAG8AN. NuMicro M23 Family: NUC1262 series.
3.05	2020/12/4	<ul style="list-style-type: none"> Added supported microcontroller: <ul style="list-style-type: none"> NuMicro M0 Family: M031TE3AE.
3.04	2020/9/24	<ul style="list-style-type: none"> Added supported microcontroller: <ul style="list-style-type: none"> NuMicro M0 Family: MINI54FHC, NUC029NAN and NDA102 series. NuMicro M23 Family: M2351SFSIAAP. NuMicro M4 Family: M482K and M4TK series.
3.03	2020/7/17	<ul style="list-style-type: none"> Added supported microcontroller: <ul style="list-style-type: none"> NuMicro M0 Family: NUC131LC2AEU, NUC131SC2AEU, NUC131LD2AEU, NUC131SD2AEU, NUC029MDE, M030FD2AE, M031BT, M071 series, M030G series, M0A21 series, M0515 and NM1240 series. NuMicro M23 Family: M258, M2354 series. NuMicro M4 Family: M487KMCAN, M479 and M471 series. NuMicro 8051 Family: ML56 series.
3.02	2020/2/1	<ul style="list-style-type: none"> Added supported microcontroller: <ul style="list-style-type: none"> NuMicro M4 Family: M48x8AE, M48xCAE.
3.01	2019/9/30	<ul style="list-style-type: none"> Supported NUC1311, M031 256KB/512KB, M032C/D for NuMicro M0 series. Supported M2353 for NuMicro M23 series.
3.00	2019/5/3	<ul style="list-style-type: none"> Added M480LD for Cortex M4 series. Added M261 for Cortex M23 series. Added NUC121WC2AE & NUC121Y25CN for Cortex M0 series.

2.06	2019/02/26	<ul style="list-style-type: none"> Supported ML51 for NuMicro 8051 series. Supported M252 for NuMicro M23 series.
2.05	2018/09/06	<ul style="list-style-type: none"> Supported Nu-Link2. Supported M031, M0519, NUC2201, NM1120, NUC1261 for NuMicro M0 series. Supported NUC029DE/EE/GE for NuMicro M0 series. Supported M4521 for NuMicro M4 series.
2.04.6725	2018/04/03	<ul style="list-style-type: none"> Supported NM18101ZCAE QFN33 package.
2.03.6674	2017/12/11	<ul style="list-style-type: none"> Supported Mini57 for NuMicro M0 series. Supported M2351 for NuMicro M23 series. Added a new mode that shows only the selected pin function.
2.02.6629	2017/06/23	<ul style="list-style-type: none"> Supported M480 for NuMicro M4 series.
2.01.6592	2017/01/13	<ul style="list-style-type: none"> Supported NUC121, NUC125, NUC126 and M0564 series.
2.00.6561	2016/07/22	<ul style="list-style-type: none"> Updated Nu-Link firmware version to v6561.
1.31.6535	2016/02/01	<ul style="list-style-type: none"> Primary release version.

2 Supported Debugger and Programmer

Debugger and Programmer	Device Type	Supported Product
Nu-Link2-Pro	Stand-alone	NuMicro 8051 (1T) / M0 / M23 / M4 / M7 Family
Nu-Link-Pro	Stand-alone	NuMicro 8051 (1T) / M0 / M23 / M4 Family
Nu-Link	Stand-alone	NuMicro 8051 (1T) / M0 / M23 / M4 Family
Nu-Link2-Me	Attached to NuMicro EVB	NuMicro 8051 (1T) / M0 / M23 / M4 / M7 Family
Nu-Link-Me	Attached to NuMicro EVB	NuMicro 8051 (1T) / M0 / M23 / M4 Family

3 Supported Microcontroller

Product Line	Series	Part Number
NuMicro® 8051 Family	ML51	ML51BB9AE, ML51DB9AE, ML51EB9AE, ML51EC0AE, ML51FB9AE, ML51LD1AE, ML51OB9AE, ML51PB9AE, ML51PC0AE, ML51SD1AE, ML51TB9AE, ML51TC0AE, ML51TD1AE, ML51UB9AE, ML51UC0AE, ML51XB9AE, ML54LD1AE, ML54MD1AE, ML54SD1AE, ML56LD1AE, ML56MD1AE, ML56SD1AE
NuMicro® M0 Family	M030	M030FD2AE, M030LD2AE, M030TD2AE
	M030G	M030GGC0AE, M030GGC1AE, M030GGD1AE, M030GTC0AE, M030GTC1AE, M030GTD1AE
	M031	M031BTYD2AN, M031BTYE3AN, M031EB0AE, M031EC1AE, M031FB0AE, M031FC1AE, M031KG6AE, M031KG8AE, M031KIAAE, M031LC2AE, M031LD2AE, M031LE3AE, M031LG6AE, M031LG8AE, M031SC2AE, M031SD2AE, M031SE3AE, M031SG6AE, M031SG8AE, M031SIAAE, M031TB0AE, M031TC1AE, M031TD2AE, M031TE3AE
	M031G	M031GGC1AE, M031GGC2AE, M031GGD2AE, M031GTC1AE, M031GTC2AE, M031GTD2AE
	M032	M032BTAG8AN, M032BTAIAAN, M032EC1AE, M032FC1AE, M032KG6AE, M032KG8AE, M032KIAAE, M032LC2AE, M032LD2AE, M032LE3AE, M032LG6AE, M032LG8AE, M032SE3AE, M032SG6AE, M032SG8AE, M032SIAAE, M032TC1AE, M032TD2AE
	M051	M0516LAN, M0516LBN, M0516LDE, M0516LDN, M0516ZAN, M0516ZBN, M0516ZDE, M0516ZDN, M052LAN, M052LBN, M052LDE, M052LDN, M052ZAN, M052ZBN, M052ZDE, M052ZDN, M054LAN, M054LBN, M054LDE, M054LDN, M054ZAN, M054ZBN, M054ZDE, M054ZDN, M058LAN, M058LBN, M058LDE, M058LDN, M058ZAN, M058ZBN, M058ZDE, M058ZDN
	M0515	M0515LDE
	M0518	M0518LC2AE, M0518LD2AE, M0518SC2AE, M0518SD2AE
	M0519	M0519LD3AE, M0519LE3AE, M0519SD3AE, M0519SE3AE, M0519VE3AE
	M0564	M0564LE4AE, M0564LG4AE, M0564SE4AE, M0564SG4AE, M0564VG4AE
	M058S	M058SFAN, M058SLAN, M058SSAN, M058SZAN
	M071	M071MC2AE, M071MD2AE, M071QE4AE, M071QG4AE, M071R1D3AE, M071R1E3AE, M071SD3AE, M071SE3AE, M071VG4AE
	M0A21	M0A21EB1AC, M0A21EC1AC, M0A21OB1AC, M0A21OC1AC, M0A23EC1AC, M0A23OC1AC
	Mini51	MINI51FDE, MINI51LAN, MINI51LDE, MINI51TAN, MINI51TDE, MINI51ZAN, MINI51ZDE, MINI52FDE, MINI52LAN, MINI52LDE, MINI52TAN, MINI52TDE, MINI52ZAN, MINI52ZDE, MINI54FDE, MINI54FHC, MINI54LAN, MINI54LDE, MINI54TAN, MINI54TDE, MINI54ZAN, MINI54ZDE
	Mini55	MINI55LDE, MINI55TDE, MINI55ZDE

	Mini57	MINI57EDE, MINI57FDE, MINI57TDE, MINI57XDE
	Mini58	MINI58FDE, MINI58LDE, MINI58TDE, MINI58ZDE
	Nano100	NANO100KD3BN, NANO100KE3BN, NANO100LC2AN, NANO100LC2BN, NANO100LD2AN, NANO100LD2BN, NANO100LD3AN, NANO100LD3BN, NANO100LE3BN, NANO100SC2AN, NANO100SC2BN, NANO100SD2AN, NANO100SD2BN, NANO100SD3AN, NANO100SD3BN, NANO100SE3BN, NANO100VD2AN, NANO100VD3AN, NANO100ZC2AN, NANO100ZD2AN, NANO100ZD3AN
	Nano102	NANO102LB1AN, NANO102LC2AN, NANO102SC2AN, NANO102ZB1AN, NANO102ZC2AN
	Nano103	NANO103LD3AE, NANO103SD3AE, NANO103ZD3AE
	Nano110	NANO110KC2BN, NANO110KD2BN, NANO110KD3BN, NANO110KE3BN, NANO110RC2BN, NANO110RD2BN, NANO110RD3BN, NANO110SC2BN, NANO110SD2BN, NANO110SD3BN, NANO110SE3BN
	Nano112	NANO112LB1AN, NANO112LC2AN, NANO112RB1AN, NANO112RC2AN, NANO112SB1AN, NANO112SC2AN, NANO112VC2AN
	Nano120	NANO120KD3BN, NANO120KE3BN, NANO120LC2AN, NANO120LC2BN, NANO120LD2AN, NANO120LD2BN, NANO120LD3AN, NANO120LD3BN, NANO120LE3BN, NANO120SC2AN, NANO120SC2BN, NANO120SD2AN, NANO120SD2BN, NANO120SD3AN, NANO120SD3BN, NANO120SE3BN, NANO120VD2AN, NANO120VD3AN, NANO120ZC2AN, NANO120ZD2AN, NANO120ZD3AN
	Nano130	NANO130KC2BN, NANO130KD2BN, NANO130KD3BN, NANO130KE3BN, NANO130SC2BN, NANO130SD2BN, NANO130SD3BN, NANO130SE3BN
	NDA102	NDA102EC1, NDA102FC1, NDA103EC1, NDA103FC1
	NUC029	NUC029FAE, NUC029KGE, NUC029LAN, NUC029LDE, NUC029LEE, NUC029LGE, NUC029NAN, NUC029SDE, NUC029SEE, NUC029SGE, NUC029TAE, NUC029TAN, NUC029ZAN
	NUC100	NUC100LC1DN, NUC100LD1DN, NUC100LD2DN, NUC100LD3AN, NUC100LD3DN, NUC100LE3AN, NUC100LE3DN, NUC100RC1DN, NUC100RD1DN, NUC100RD2DN, NUC100RD3AN, NUC100RD3DN, NUC100RE3AN, NUC100RE3DN, NUC100VD2AN, NUC100VD2DN, NUC100VD3AN, NUC100VD3DN, NUC100VE3AN, NUC100VE3DN, NUC120LC1DN, NUC120LD1DN, NUC120LD2DN, NUC120LD3AN, NUC120LD3DN, NUC120LE3AN, NUC120LE3DN, NUC120RC1DN, NUC120RD1DN, NUC120RD2DN, NUC120RD3AN, NUC120RD3DN, NUC120RE3AN, NUC120RE3DN, NUC120VD2AN, NUC120VD2DN, NUC120VD3AN, NUC120VD3DN, NUC120VE3AN, NUC120VE3DN
	NUC121	NUC121LC2AE, NUC121SC2AE, NUC121WC2AE, NUC121Y25CN, NUC121ZC2AE
	NUC122	NUC122LC1AN, NUC122LD2AN, NUC122SC1AN, NUC122SD2AN, NUC122ZC1AN, NUC122ZD2AN
	NUC123	NUC123LC2AE1, NUC123LC2AN1, NUC123LD4AE0, NUC123LD4AN0, NUC123SC2AE1, NUC123SC2AN1, NUC123SD4AE0, NUC123SD4AN0,

		NUC123ZC2AE1, NUC123ZC2AN1, NUC123ZD4AE0, NUC123ZD4AN0
	NUC125	NUC125LC2AE, NUC125SC2AE, NUC125ZC2AE
	NUC126	NUC126LE4AE, NUC126LG4AE, NUC126NE4AE, NUC126SE4AE, NUC126SG4AE, NUC126VG4AE
	NUC1261	NUC1261LE4AE, NUC1261LG4AE, NUC1261SE4AE, NUC1261SG4AE
	NUC130	NUC130LC1CN, NUC130LD2CN, NUC130LE3CN, NUC130RC1CN, NUC130RD2CN, NUC130RE3CN, NUC130VE3CN
	NUC131	NUC131LC2AE, NUC131LC2AEU, NUC131LD2AE, NUC131LD2AEU, NUC131SC2AE, NUC131SC2AEU, NUC131SD2AE, NUC131SD2AEU
	NUC1311	NUC1311LC2AE, NUC1311LD2AE
	NUC140	NUC140LC1CN, NUC140LD2CN, NUC140LE3CN, NUC140RC1CN, NUC140RD2CN, NUC140RE3CN, NUC140VE3CN
	NUC200	NUC200LC2AN, NUC200LD2AN, NUC200LE3AN, NUC200SC2AN, NUC200SD2AN, NUC200SE3AN, NUC200VE3AN, NUC220LC2AN, NUC220LD2AN, NUC220LE3AN, NUC220SC2AN, NUC220SD2AN, NUC220SE3AN, NUC220VE3AN
	NUC2201	NUC2201LE3AE, NUC2201SE3AE
	NUC230	NUC230LC2AE, NUC230LD2AE, NUC230LE3AE, NUC230SC2AE, NUC230SD2AE, NUC230SE3AE, NUC230VE3AE
	NUC240	NUC240LC2AE, NUC240LD2AE, NUC240LE3AE, NUC240SC2AE, NUC240SD2AE, NUC240SE3AE, NUC240VE3AE
NuMicro® M23 Family	M2351	M2351KIAAE, M2351SFSIAAP, M2351SIAAE, M2351ZIAAE
	M2354	M2354KJFAE, M2354LJFAE, M2354SJFAE
	M251	M251EC2AE, M251FC2AE, M251KE3AE, M251KG6AE, M251LC2AE, M251LD2AE, M251LE3AE, M251LG6AE, M251SC2AE, M251SD2AE, M251SE3AE, M251SG6AE, M251ZC2AE, M251ZD2AE, M252EC2AE, M252FC2AE, M252KE3AE, M252KG6AE, M252LC2AE, M252LD2AE, M252LE3AE, M252LG6AE, M252SC2AE, M252SD2AE, M252SE3AE, M252SG6AE, M252ZC2AE, M252ZD2AE, M253LD3AE, M253LE3AE, M253ZE3AE, M254KE3AE, M254KG6AE, M254MD2AE, M254QE3AE, M254SD2AE, M254SD3AE, M254SE3AE, M254SG6AE, M256KE3AE, M256MD2AE, M256QE3AE, M256QG6AE, M256SD2AE, M256SE3AE, M258KE3AE, M258KG6AE, M258QE3AE, M258QG6AE, M258SE3AE, M258SG6AE
	M261	M261KIAAE, M261SIAAE, M261ZIAAE, M262KIAAE, M262SIAAE, M262ZIAAE, M263KIAAE, M263SIAAE, M263ZIAAE
	NDA102	NDA102SD2
	NUC1262	NUC1262LE4AE, NUC1262NE4AE, NUC1262SE4AE
NuMicro® M4 Family	M451	M451LC3AE, M451LD3AE, M451LE6AE, M451LG6AE, M451MLC3AE, M451MLD3AE, M451MLE6AE, M451MLG6AE, M451MSC3AE, M451MSD3AE, M451RC3AE, M451RD3AE, M451RE6AE, M451RG6AE, M451VE6AE, M451VG6AE, M452LC3AE, M452LD3AE, M452LE6AE, M452LG6AE, M452RD3AE, M452RE6AE, M452RG6AE,

		M452VE6AE, M452VG6AE, M453LC3AE, M453LD3AE, M453LE6AE, M453LG6AE, M453RD3AE, M453RE6AE, M453RG6AE, M453VD3AE, M453VE6AE, M453VG6AE, M4LEDLE6AE, M4LEDLG6AE, M4LEDRE6AE, M4LEDRG6AE, M4TKLE6AE, M4TKLG6AE, M4TKRE6AE, M4TKRG6AE, M4TKVE6AE, M4TKVG6AE
	M4521	M4521LE6AE, M4521SE6AE
	M460	M463AGCAE, M463H3KJHAN, M463H3SJHAN, M463KGCAE, M463KIHAE, M463KJHAE, M463LGCAE, M463SGCAE, M463SIHAE, M463SJHAE, M463VGCAE, M463YGCAE, M464AGCAE, M464KGCAE, M464LGCAE, M464SGCAE, M464YGCAE, M467H3HJHAN, M467H3JJHAE, M467H3JJHAN, M467H3KJHAE, M467H3SJHAE, M467HJHAE, M467JJHAE, M467KJHAE, M467SJHAE
	M471	M471KI8AE, M471MD6AE, M471QG7AE, M471QI8AE, M471R1D6AE, M471R1E6AE, M471SD6AE, M471SE6AE, M471VG7AE, M471VI8AE
	M479	M479LG8AEE, M479NG8AEE, M479SG8AEE
	M480	M481LE8AE, M481LGCAE, M481LIDAE, M481SE8AE, M481SGCAE, M481SGCAE2A, M481SIDAE, M481ZE8AE, M481ZGCAE, M481ZIDAE, M482KGCAE, M482KIDAE, M482LE8AE, M482LGCAE, M482LIDAE, M482SE8AE, M482SGCAE, M482SIDAE, M482ZE8AE, M482ZGCAE, M482ZIDAE, M483KGCAE, M483KGCAE2A, M483KIDAE, M483SE8AE, M483SGCAE, M483SGCAE2A, M483SIDAE, M485KIDAE, M485LIDAE, M485SIDAE, M487JIDAE, M487KIDAE, M487KMCAN, M487SIDAE
	NUC400	NUC442JG8AE, NUC442JI8AE, NUC442KG8AE, NUC442KI8AE, NUC442RG8AE, NUC442RI8AE, NUC442VG8AE, NUC442VI8AE, NUC472HG8AE, NUC472HI8AE, NUC472JG8AE, NUC472JI8AE, NUC472KG8AE, NUC472KI8AE, NUC472VG8AE, NUC472VI8AE
	NUC505	NUC505DL13Y, NUC505DLA, NUC505DS13Y, NUC505DSA, NUC505YLA, NUC505YLA2Y, NUC505YO13Y
ARM® Cortex®-M7 MCUs	KM1M7AF0	KM1M7AF00K, KM1M7AF00M, KM1M7AF00N, KM1M7AF02K, KM1M7AF02M, KM1M7AF02N
	KM1M7AF5	KM1M7AF50K, KM1M7AF50M, KM1M7AF50N, KM1M7AF52K, KM1M7AF52M, KM1M7AF52N
	KM1M7BF0	KM1M7BF00K, KM1M7BF00M, KM1M7BF00N, KM1M7BF02K, KM1M7BF02M, KM1M7BF02N
Motor Control	NM1100	NM1100FBAE, NM1100XBAE
	NM1120	NM1120EC1AE, NM1120FC1AE, NM1120XC1AE, NM1120ZC1AE
	NM1200	NM1200LBAE, NM1200TBAE, NM1200ZBAE
	NM1500	NM1510LC1AE, NM1520LC2AE, NM1520LD2AE, NM1520RC2AE, NM1520RD2AE, NM1530VD3AE, NM1530VE3AE
	NM1810	NM18101Y

4 Resources

Website	Details
NuTool on nuvoton.com	https://www.nuvoton.com/tool-and-software/software-development-tool/nutool/
	<ul style="list-style-type: none"> Download the latest NuTool installation file. View the NuTool revision history.
NuTool on GitHub	https://github.com/OpenNuvoton/Nuvoton_Tools
	<ul style="list-style-type: none"> Check the open source example code of NuTool for easier development.

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