**NuTool – PinConfigure**

**Revision History**

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# REVISION HISTORY

|  |  |  |
| --- | --- | --- |
| **Version** | **Release Date** | **Description** |
| **1.29** | **2023/12/28** | * Added supported micro controller: * NuMicro M4 Family: M433 Series. * NuMicro M55 Family: M55M1 Series. * NuMicro ARM9 Family: N9H30K63IIM Series. * Updated supported micro controller: * NuMicro M23 Family: NUC1263 and M251 Series. * NuMicro A35 Family: MA35D0 and MA35H0 Series. |
| **1.28** | **2023/11/15** | * Added supported micro controller: * NuMicro A35 Family: MA35D0 and MA35H0 Series. |
| **1.27** | **2023/10/02** | * Supported the Connect to chip feature. * Added supported micro controller: * NuMicro M23 Family: M2003C Series. * NuMicro ARM9 Family: N9H30, NUC970 and NUC980 Series. * Updated supported micro controller: * NuMicro M23 Family: M251 and NUC1262 Series. * NuMicro M4 Family: M460 Series. |
| **1.26** | **2023/08/03** | * Added supported micro controller: * NuMicro 8051 Family: MG51, N76S003 and N76E003 Series. * NuMicro M23 Family: M2L31 Series. * NuMicro M4 Family: KM1M4BF Series. * Updated supported micro controller: * NuMicro M23 Family: M251, M2351 and NDA102 Series. * NuMicro M4 Family: M460 and M480 Series. |
| **1.25** | **2023/03/01** | * Added supported micro controller: * NuMicro 8051 Family: MUG51 Series. * NuMicro M0 Family: M091 Series. * NuMicro M23 Family: NUC1263 Series. * NuMicro M7 Family: KM1M7CF Series. |
| **1.24** | **2022/8/18** | * Added supported micro controller: * NuMicro M7 Family: KM1M7BF Series. * NuMicro M4 Family: M460 Series. * NuMicro M0 Family: M029G Series. * NuMicro 8051 Family: MUG51 Series. * Added supported micro processor: * NuMicro A35 Family: MA35D1 Series. |
| **1.23** | **2021/6/30** | * Added supported micro controller: * NuMicro M7 Family: KM1M7AF Series. * NuMicro M23 Family: M256D and M258G Series. |
| **1.22** | **2021/3/19** | * Added supported micro controller: * NuMicro M0 Family: M031G Series. * NuMicro M23 Family: NUC1262 Series. |
| **1.21** | **2020/11/20** | * Added supported micro controller: * NuMicro M0 Family: M071 Series. * NuMicro M4 Family: M471 Series. * NuMicro M23 Family: M253, M258 and M2354 Series. |
| **1.20** | **2020/4/30** | * Added supported micro controller: * NuMicro M0 Family: M0A21 and M030G Series. |
| **1.19** | **2020/3/6** | * Added supported micro controller: * NuMicro M0 Family: NUC029MDE. * NuMicro M4 Family: M487KMCAN. * NuMicro 8051 1T Family: ML56 Series. |
| **1.18** | **2020/1/31** | * Added supported micro controller: * NuMicro M0 Family: M031BT series. * NuMicro M4 Family: M479 series. |
| **1.17** | **2019/11/1** | * Added supported micro controller: * NuMicro M0 Family: NUC029ZAN. * Updated supported micro controller: * NuMicro M0 Family: M031 Series. * NuMicro M4 Family: M480 Series * NuMicro 8051 1T Family: MS51 Series |
| **1.16** | **2019/9/6** | * Added supported micro controller: * NuMicro M0 Family: M031(G/I/Keyboard/Mouse) and NUC1311 Series. * NuMicro M23 Family: M2353SIAAE Series. * NuMicro 8051 1T Family: MS51(8K/32K) Series. * Updated supported micro controller: * NuMicro M0 Family: NANO100BN Series. * NuMicro M4 Family: M480LD Series |
| **1.15** | **2019/4/29** | * Added supported micro controller: * NuMicro M0 Family: NUC1261, M05641, NUC029xDE, NUC029xEE, NUC029xGE and M031 Series. * NuMicro M23 Family: M261 Series. * NuMicro M4 Family: M4521 Series. * NuMicro 8051 1T Family: MS51 Series. |
| **1.14** | **2018/12/28** | * Added supported micro controller: * NuMicro M0 Family: NUC2201 Series. * NuMicro M23 Family: M251 Series. * NuMicro 8051 1T Family: ML51 Series. * Updated supported micro controller: * NuMicro M0 Family: NANO103 Series. |
| **1.13** | **2018/7/29** | * Added supported micro controller: * NuMicro M0 Family: Mini57, NDA102 and NM1120 Series. |
| **1.12** | **2018/6/29** | * Updated supported micro controller: * NuMicro M23 Family: M2351 Series. * NuMicro M4 Family: M480 Series. |
| **1.11** | **2017/10/20** | * Added supported micro controller: * NuMicro M23 Family: M2351 Series. * Supported the adjustment of conflicts. |
| **1.10** | **2017/8/1** | * Added supported micro controller: * NuMicro M0 Family: NUC121, NUC125, NUC126 and M0564 Series. * NuMicro M4 Family: M480 Series. |
| **1.09** | **2016/7/22** | * Added new part numbers. |
| **1.08** | **2016/2/29** | * Added supported micro controller: * NuMicro M0 Family: NANO103 Series. |
| **1.07** | **2015/12/1** | * Supported the Generate Report of Pin Description feature. |
| **1.06** | **2015/11/1** | * Supported the NuCAD feature. |
| **1.05** | **2015/7/1** | * Added supported micro controller: * NuMicro M0 Family: Mini58 and M0519 Series. * Supported the Tooltip feature. |
| **1.04** | **2014/11/28** | * Supported IE11. * Added supported micro controller: * NuMicro M0 Family: NUC100, NUC200, NUC029, M051, M0518, Mini51, Nano100 and NM1500 Series. * NuMicro M4 Family: NUC505 Series. |
| **1.03** | **2014/1/24** | * Added supported micro controller: * NuMicro M4 Family: M451 Series. * Enhanced stability. |
| **1.02** | **2014/1/3** | * Supported IE10. * Improved performance and GUI. * Supported the Search feature. * Supported the Print Report feature. |
| **1.01** | **2013/11/8** | * Supported IE9. * Supported Simplified Chinese and Traditional Chinese. |
| **1.00** | **2013/10/18** | * Release primary version. |

# SUPPORTED MIRCO CONTROLLER

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| --- | --- | --- |
| **Product Line** | **Series** | **Part Number** |
| **NuMicro® 8051 Family** | **MS51** | MS51BA9AE, MS51DA9AE, MS51EB0AE, MS51EC0AE, MS51FB9AE, MS51FC0AE, MS51PC0AE, MS51TC0AE, MS51XB9AE, MS51XB9BE, MS51XC0BE |
| **MG51** | MG51XC9AE, MG51XB9AE, MG51FC9AE, MG51FB9AE |
| **ML51** | ML51BB9AE, ML51DB9AE, ML51EB9AE, ML51EC0AE, ML51FB9AE, ML51OB9AE, ML51PB9AE, ML51PC0AE, ML51TB9AE, ML51TC0AE, ML51UB9AE, ML51UC0AE, ML51XB9AE, ML51LD1AE, ML51SD1AE, ML51TD1AE, ML54LD1AE, ML54MD1AE, ML54SD1AE, ML56LD1AE, ML56MD1AE, ML56SD1AE |
| **MUG51** | MUG51TB9AE |
| **N76S003** | N76S003AQ20, N76S003AT20 |
| **N76E003** | N76E003AQ20, N76E003BQ20, N76E003AT20 |
| **NuMicro® M0 Family** | **M0A21** | M0A21EB1AC, M0A21EC1AC, M0A21OB1AC, M0A21OC1AC, M0A23EC1AC, M0A23OC1AC |
| **M030G** | M029GGC0AE, M030GGC0AE, M030GGC1AE, M030GGD1AE, M030GTC0AE, M030GTC1AE, M030GTD1AE |
| **M031G** | M031GGC1AE, M031GGC2AE, M031GGD2AE, M031GTC1AE, M031GTC2AE, M031GTD2AE |
| **M030** | M030FD2AE, M030LD2AE, M030TD2AE, |
| **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 |
| **M032** | M032BTAG8AN, M032BTAIAAN, M032EC1AE, M032FC1AE, M032KG6AE, M032KG8AE, M032KIAAE, M032LC2AE, M032LD2AE, M032LE3AE, M032LG6AE, M032LG8AE, M032SE3AE, M032SG6AE, M032SG8AE, M032SIAAE, M032TC1AE, M032TD2AE |
| **M071** | M071MC2AE, M071MD2AE, M071R1D3AE, M071R1E3AE, M071SD3AE, M071SE3AE, M071VG4AE |
| **M091** | M091TC2AE, M091TD2AE, M091YC2AE, M091YD2AE |
| **M051DN** | M0516LDN, M0516ZDN, M052LDN, M052ZDN, M054LDN, M054ZDN, M058LDN, M058ZDN |
| **M051DE** | M0515LDE, M0516LDE, M0516ZDE, M052LDE, M052ZDE, M054LDE, M054ZDE, M058LDE, M058ZDE |
| **M0518AE** | M0518LC2AE, M0518LD2AE, M0518SC2AE, M0518SD2AE |
| **M0519AE** | M0519LD3AE, M0519LE3AE, M0519SD3AE, M0519SE3AE, M0519VE3AE |
| **M0564** | M0564LE4AE, M0564LG4AE, M0564SE4AE, M0564SG4AE, M0564VG4AE |
| **M05641** | M05641LG4AE, M05641LE4AE, M05641SG4AE, M05641SE4AE |
| **M058SAN** | M058SFAN, M058SLAN, M058SSAN, M058SZAN |
| **MINI51DE** | MINI51FDE, MINI51LDE, MINI51TDE, MINI51ZDE, MINI52FDE, MINI52LDE, MINI52TDE, MINI52ZDE, MINI54FDE, MINI54LDE, MINI54TDE, MINI54ZDE |
| **MINI55** | MINI55LDE, MINI55ZDE |
| **MINI57** | MINI57TDE, MINI57EDE, MINI57FDE |
| **MINI58** | MINI58FDE, MINI58LDE, MINI58TDE, MINI58ZDE |
| **NANO100AN** | NANO100LC2AN, NANO100LD2AN, NANO100LD3AN, NANO100SC2AN, NANO100SD2AN, NANO100SD3AN, NANO100VD2AN, NANO100VD3AN, NANO100ZC2AN, NANO100ZD2AN, NANO100ZD3AN, NANO120LC2AN, NANO120LD2AN, NANO120LD3AN, NANO120SC2AN, NANO120SD2AN, NANO120SD3AN, NANO120VD2AN, NANO120VD3AN, NANO120ZC2AN, NANO120ZD2AN, NANO120ZD3AN |
| **NANO100BN** | NANO100KD3BN, NANO100KE3BN, NANO100LC2BN, NANO100LD2BN, NANO100LD3BN, NANO100LE3BN, NANO100NC2BN, NANO100ND2BN, NANO100ND3BN, NANO100NE3BN, NANO100SC2BN, NANO100SD2BN, NANO100SD3BN, NANO100SE3BN, NANO110KC2BN, NANO110KD2BN, NANO110KD3BN, NANO110KE3BN, NANO110RC2BN, NANO110RD2BN, NANO110RD3BN, NANO110RE3BN, NANO110SC2BN, NANO110SD2BN, NANO110SD3BN, NANO110SE3BN, NANO120KD3BN, NANO120KE3BN, NANO120LC2BN, NANO120LD2BN, NANO120LD3BN, NANO120LE3BN, NANO120SC2BN, NANO120SD2BN, NANO120SD3BN, NANO120SE3BN, NANO130KC2BN, NANO130KD2BN, NANO130KD3BN, NANO130KE3BN, NANO130SC2BN, NANO130SD2BN, NANO130SD3BN, NANO130SE3BN |
| **NANO103** | NANO103SD3AE, NANO103LD3AE, NANO103ZD3AE |
| **NANO102/112AN** | NANO102LB1AN, NANO102LC2AN, NANO102SC2AN, NANO102ZB1AN, NANO102ZC2AN, NANO112LB1AN, NANO112LC2AN, NANO112RB1AN, NANO112RC2AN, NANO112SB1AN, NANO112SC2AN, NANO112VC2AN |
| **NUC029** | NUC029LAN, NUC029NAN, NUC029TAN, NUC029FAE, NUC029TAE, NUC029LDE, NUC029SDE, NUC029LEE, NUC029SEE, NUC029KGE, NUC029LGE, NUC029SGE, NUC029ZAN |
| **NUC130/140CN** | NUC130LC1CN, NUC130LD2CN, NUC130LE3CN, NUC130RC1CN, NUC130RD2CN, NUC130RE3CN, NUC130VE3CN, NUC140LC1CN, NUC140LD2CN, NUC140LE3CN, NUC140RC1CN, NUC140RD2CN, NUC140RE3CN, NUC140VE3CN |
| **NUC100/120DN** | NUC100LC1DN, NUC100LD2DN, NUC100LE3DN, NUC100RC1DN, NUC100RD1DN, NUC100RD2DN, NUC100RE3DN, NUC100VE3DN, NUC120LC1DN, NUC120LD2DN, NUC120LE3DN, NUC120RC1DN, NUC120RD2DN, NUC120RE3DN, NUC120VE3DN |
| **NUC121** | NUC121SC2AE, NUC121LC2AE, NUC121ZC2AE, NUC125SC2AE, NUC125LC2AE, NUC125ZC2AE |
| **NUC123AN** | NUC123LC2AN1, NUC123LD4AN0, NUC123SC2AN1, NUC123SD4AN0, NUC123ZC2AN1, NUC123ZD4AN0 |
| **NUC123AE** | NUC123LC2AE1, NUC123LD4AE0, NUC123SC2AE1, NUC123SD4AE0, NUC123ZC2AE1, NUC123ZD4AE0 |
| **NUC126** | NUC126LE4AE, NUC126LG4AE, NUC126NE4AE, NUC126SE4AE, NUC126SG4AE, NUC126VG4AE |
| **NUC1261** | NUC1261LG4AE, NUC1261LE4AE, NUC1261NE4AE, NUC1261SG4AE, NUC1261SE4AE |
| **NUC131AE** | NUC131LC2AE, NUC131LC2AEU, NUC131LD2AE, NUC131LD2AEU, NUC131SC2AE, NUC131SC2AEU, NUC131SD2AE, NUC131SD2AEU |
| **NUC1311** | NUC1311LD2AE |
| **NUC200/220AN** | NUC200LC2AN, NUC200LD2AN, NUC200LE3AN, NUC200SC2AN, NUC200SD2AN, NUC200SE3AN, NUC200VE3AN, NUC220LC2AN, NUC220LD2AN, NUC220LE3AN, NUC220SC2AN, NUC220SD2AN, NUC220SE3AN, NUC220VE3AN |
| **NUC230/240AE** | NUC230LC2AE, NUC230LD2AE, NUC230LE3AE, NUC230SC2AE, NUC230SD2AE, NUC230SE3AE, NUC230VE3AE, NUC240LC2AE, NUC240LD2AE, NUC240LE3AE, NUC240SC2AE, NUC240SD2AE, NUC240SE3AE, NUC240VE3AE |
| **NUC2201** | NUC2201LE3AE, NUC2201SE3AE |
| **NuMicro® M23 Family** | **M2003C** | M2003FC1AE, M2003XC1AE |
| **M2351** | M2351ZIAAE, M2351CIAAE, M2351SIAAE, M2351KIAAE |
| **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, M253LD3BE, M253LE3AE, M253LE3BE, M253ZE3AE, M253ZE3BE, M254AG6AE, M254KE3AE, M254KG6AE, M254MD2AE, M254SD2AE, M254SE3AE, M254SG6AE, M256KE3AE, M256KG6AE, M256MD2AE, M256SD2AE, M256SE3AE, M256SG6AE, M258KE3AE, M258KG6AE, M258SE3AE, M258SG6AE |
| **M261** | M261ZIAAE, M261SIAAE, M261KIAAE, M262ZIAAE, M262SIAAE, M262KIAAE, M263ZIAAE, M263SIAAE, M263KIAAE |
| **M2L31** | M2L31XD4AE, M2L31ZE4AE, M2L31ZD4AE, M2L31YG4AE, M2L31YE4AE, M2L31YD4AE, M2L31YIDAE, M2L31YGDAE, M2L31LE4AE, M2L31LG4AE, M2L31LD4AE, M2L31LIDAE, M2L31LGDAE, M2L31CIDAE, M2L31CGDAE, M2L31SG4AE, M2L31SE4AE, M2L31SIDAE, M2L31SGDAE, M2L31KIDAE, M2L31KGDAE |
| **NDA102** | NDA102SD2, NDA102SE3 |
| **NUC1262** | NUC1262LE4AE, NUC1262NE4AE, NUC1262SE4AE, NUC1262YE4AE |
| **NUC1263** | NUC1263ZD4CE, NUC1263ND4CE, NUC1263LD4CE, NUC1263SD4CE |
| **NuMicro® M4 Family** | **M433** | M433LE8AE, M433SE8AE |
| **M451** | M451LC3AE, M451LD3AE, M451LE6AE, M451LG6AE, M451MLC3AE, M451MLD3AE, M451MLE6AE, M451MLG6AE, M451MSC3AE, M451MSD3AE M451RC3AE, M451RD3AE, M451RE6AE, M451RG6AE, M451VE6AE, M451VG6AE, M452LC3AE, M452LD3AE, M452LE6AE, M452LG6AE, M452RD3AE, M452RE6AE, M452RG6AE, M453LC3AE, M453LD3AE, M453LE6AE, M453LG6AE, M453RD3AE, M453RE6AE, M453RG6AE, M453VD3AE, M453VE6AE, M453VG6AE |
| **M4521** | M4521LE6AE, M4521SE6AE |
| **M460** | M467SJHAE, M467KJHAE, M467H3KJHAE, M467JJHAE, M467HJHAE, M464YGCAE, M464LGCAE, M464AGCAE, M464SGCAE, M463VGCAE, M464KGCAE, M463YGCAE, M463LGCAE, M463L2GCAC, M463AGCAE, M463SGCAE, M463S2GCAC, M463KGCAE, M463K2GCAC, M460YGCAE, M460LGCAE, M460AGCAE, M460SGCAE, M460KGCAE, M467SJHAN, M467KJHAN, M467JJHAN, M467HJHAN |
| **M471** | M471KI8AE, M471VG7AE, M471VI8AE, M471CI8AE |
| **M479** | M479LG8AE, M479NG8AE, M479SG8AE |
| **M480** | M481LIDAE, M481SIDAE, M481ZIDAE, M482KIDAE, M482LIDAE, M482SIDAE, M482ZIDAE, M483KIDAE, M483SIDAE, M485YIDAE, M485KIDAE, M485LIDAE, M485SIDAE, M487JIDAE, M487KIDAE, M487KMCAN, M487SIDAE, M481LE8AE, M481LGCAE, M481SE8AE, M481SGCAE, M481SGCAE2A, M481ZE8AE, M481ZGCAE, M482KGCAE, M482LE8AE, M482LGCAE, M482SE8AE, M482SGCAE, M482ZE8AE, M482ZGCAE, M483KGCAE, M483KGCAE2A, M483SE8AE, M483SGCAE, M483SGCAE2A, M484SIDAE, M484SIDAE2U, M484KIDAE |
| **NUC442/472AE** | NUC442JG8AE, NUC442JI8AE, NUC442KG8AE, NUC442KI8AE, NUC442RG8AE, NUC442RI8AE, NUC442VG8AE, NUC442VI8AE, NUC472HG8AE, NUC472HI8AE, NUC472JG8AE, NUC472JI8AE, NUC472KG8AE, NUC472KI8AE, NUC472VG8AE, NUC472VI8AE |
| **NUC505** | NUC505YO13Y, NUC505DS13Y, NUC505DSA, NUC505DL13Y, NUC505DLA, NUC505YLA2Y, NUC505YLA |
| **KM1M4BF0** | KM1M4BF02K/G, KM1M4BF03K/G, KM1M4BF04K/G, KM1M4BF05G |
| **KM1M4BF5** | KM1M4BF52K/G, KM1M4BF53K/G, KM1M4BF54K/G |
| **NuMicro® M7 Family** | **KM1M7AF0** | KM1M7AF00N/M/K, KM1M7AF02N/M/K |
| **KM1M7AF5** | KM1M7AF50N/M/K, KM1M7AF52N/M/K |
| **KM1M7BF0** | KM1M7BF00N/M/K, KM1M7BF02N/M/K |
| **KM1M7CF0** | KM1M7CF03N/K, KM1M7CF04N/K, KM1M7CF05N/K, KM1M7CF06N/K |
| **KM1M7CF1** | KM1M7CF13N/K, KM1M7CF14N/K, KM1M7CF15N/K, KM1M7CF16N/K |
| **NuMicro® A35 Family** | **MA35D0** | MA35D03F864C, MA35D03F764C |
| **MA35D1** | MA35D16F787C, MA35D16F887C, MA35D16F987C, MA35D16A887C, MA35D16A087C |
| **MA35H0** | MA35H04F764C |
| **NuMicro® M55 Family** | **M55M1** | M55M1H2ES |
| **NuMicro® ARM9 Family** | **N9H30** | N9H30K41IEC, N9H30K63IEC, N9H30F51IEC, N9H30F63IEC, N9H30F71IEC |
| **N9H30K63IIM** | N9H30K63IIM |
| **NUC970** | NUC972DF63YC, NUC972DF71YC, NUC975DK63YC, NUC976DK63YC, NUC977DK63YC |
| **NUC980** | NUC980DR63YC, NUC980DK63YC, NUC980DK71YC, NUC980DF63YC, NUC980DF71YC |
| **Motor Control** | **NM1120AE** | NM1120FC1AE, NM1120EC1AE, NM1120XC1AE, NM1120TC1AE, NM1120ZC1AE, NM1120FB0AE, NM1120EB0AE, NM1120XB0AE, NM1120TB0AE, NM1120ZB0AE |
| **NM1200AE** | NM1100FAAE, NM1100FBAE, NM1100XAAE, NM1100XBAE, NM1200LAAE, NM1200LBAE, NM1200TAAE, NM1200TBAE |
| **NM1500AE** | NM1510LB1AE, NM1510LC1AE, NM1520LC2AE, NM1520LD2AE, NM1520RC2AE, NM1520RD2AE, NM1530VD3AE, NM1530VE3AE |
| **Audio ChipCorder** | **ISD9100** | I9160FI, I9160VFI |
| **ISD9300** | I9361RI, I9361VRI |

# RESOURCES

|  |  |
| --- | --- |
| **Website** | **Details** |
| [**NuTool**](https://www.nuvoton.com/tool-and-software/software-development-tool/) **on** [**nuvoton.com**](https://www.nuvoton.com/) | <https://www.nuvoton.com/tool-and-software/software-development-tool/nutool/> |
| * Download the latest NuTool installation file. * View the NuTool revision history. |
| [**NuTool**](https://github.com/OpenNuvoton/Nuvoton_Tools) **on** [**GitHub**](https://github.com/OpenNuvoton/Nuvoton_Tools) | <https://github.com/OpenNuvoton/Nuvoton_Tools> |
| * Check the open source example code of NuTool for easier development. |
| **PinConfig Web Version on GitHub** | <https://opennuvoton.github.io/NuTool-PinConfigure/> |
| * User can use PinConfig online. |
| **User Manual (EN)** | <https://www.nuvoton.com/resource-download.jsp?tp_GUID=UG1320220401093634> |

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