

Nyquest Document & Tool List

1. Documents (Datasheet & User Manual)

File Name	Description	Ver.	Build Date	Pages
General				
Nyquest_Profile_TC_2025.pdf	Company profile (TC)	-	2025/02/20	27
Nyquest_Profile_SC_2025.pdf	Company profile (SC)	-	2025/02/20	27
Nyquest_Profile_EN_2025.pdf	Company profile (EN)	-	2025/02/20	27
Nyquest_HW-SW_Tool_Index_211222.pdf	Hardware & Software Developing Tool Index	-	2021/12/22	3
<i>Nyquest Declaration of REACH.pdf</i>	<i>Declaration of REACH</i>	-	<i>2025/05/14</i>	<i>12</i>
<i>Package RoHS_20250731.pdf</i>	<i>Package RoHS</i>	-	<i>2025/07/31</i>	<i>7</i>
<i>Wafer RoHS_20250731.pdf</i>	<i>Wafer RoHS</i>	-	<i>2025/07/31</i>	<i>7</i>
NY1 (LED Control & Drive IC)				
NY1_Lineup_240531.pdf	NY1 Lineup	-	2024/05/31	1
NY1Axxx_B_v1.2.pdf	NY1Axxx_B series datasheet	1.2	2014/01/20	13
NY1B_v1.2.pdf	NY1B series datasheet	1.2	2016/11/18	22
NY1C_v1.1.pdf	NY1C007A datasheet	1.1	2018/05/23	23
NY1D_v1.0.pdf	NY1D series datasheet	1.0	2012/09/29	10
NY1D003B_v1.2.pdf	NY1D003B datasheet	1.2	2017/04/27	10
NY1P_v1.1.pdf	NY1P series datasheet	1.1	2015/04/13	23
NY2 (1-ch Voice or 2-Tone Synthesizer)				
NY2_Lineup_241128.pdf	NY2 Lineup	-	2024/11/28	1
NY2A_v1.4.pdf	NY2A series datasheet	1.4	2024/09/23	22
NY2B_v1.4.pdf	NY2B series datasheet	1.4	2024/10/01	22
NY2C_v1.1.pdf	NY2C series datasheet	1.1	2010/02/12	24
NY2D_v1.1.pdf	NY2D datasheet	1.1	2017/01/04	13
NY2P_v1.0.pdf	NY2P series datasheet	1.0	2012/08/17	28
NY3 (1-ch Voice Synthesizer)				
NY3_Lineup_240531.pdf	NY3 Lineup	-	2024/05/31	2
NY3A(D)_v1.2.pdf	NY3A(D) series datasheet	1.2	2024/10/04	13
NY3A(E)_v1.2.pdf	NY3A(E) series datasheet	1.2	2024/10/04	14
NY3B_v2.1.pdf	NY3B series datasheet	2.1	2024/10/01	16
NY3C_v2.1.pdf	NY3C series datasheet	2.1	2019/02/26	17
NY3D_v2.1.pdf	NY3D series datasheet	2.1	2019/02/26	19
NY3L_v1.1.pdf	NY3L series datasheet	1.1	2018/05/08	19
NY3P(B)_v1.3.pdf	NY3P(B) series datasheet (OTP)	1.3	2018/05/08	27

File Name	Description	Ver.	Build Date	Pages
NY3P(J)_v1.3.pdf	NY3P(J) series datasheet (OTP)	1.3	2019/01/28	25
NY3P(C)_v1.0.pdf	NY3P(C) series datasheet (OTP)	1.0	2023/05/23	23
NY3P(D)_v1.1.pdf	NY3P(D) series datasheet (OTP)	1.1	2024/04/23	24
<i>NY3P(E)_v1.1.pdf</i>	<i>NY3P(E) series datasheet (OTP)</i>	<i>1.1</i>	<i>2025/07/30</i>	<i>22</i>
NY4 (4-bit MCU with 1-ch Voice)				
NY4_Lineup_240531.pdf	NY4 Lineup	-	2024/05/31	1
NY4A(B)_v1.7.pdf	NY4A(B) series datasheet	1.7	2018/04/10	11
NY4B_v2.0.pdf	NY4B series datasheet	2.0	2021/01/27	13
NY4P(J)_v1.3.pdf	NY4P(J) series datasheet (OTP)	1.3	2021/01/27	16
NY4P(C)_v1.2.pdf	NY4P(C) series datasheet (OTP)	1.2	2023/02/24	16
NY4_UM_v1.8.pdf	NY4 series user manual	1.8	2022/11/28	41
NY5 (4-bit MCU with 4-ch Voice/MIDI)				
NY5_Lineup_240531.pdf	NY5 Lineup	-	2024/05/31	1
NY5A_v1.3.pdf	NY5A series datasheet	1.2	2020/03/20	14
NY5B_v1.3.pdf	NY5B series datasheet	1.2	2020/03/20	14
NY5C_v2.2.pdf	NY5C series datasheet	2.2	2021/01/28	14
NY5P_v2.3.pdf	NY5P series datasheet	2.3	2021/01/28	26
<i>NY5Q_v1.7.pdf</i>	<i>NY5Q series datasheet</i>	<i>1.7</i>	<i>2025/07/17</i>	<i>27</i>
NY5_UM_v2.1.pdf	NY5 series user manual	2.1	2021/01/28	51
NY5+_UM_v1.3.pdf	NY5+ series user manual	1.3	2022/08/24	49
NY6 (4-bit MCU with 6-ch Voice/MIDI)				
NY6_Lineup_240531.pdf	NY6 Lineup	-	2024/05/31	2
NY6A_v1.1.pdf	NY6A series datasheet	1.1	2016/05/31	14
NY6B_v1.1.pdf	NY6B series datasheet	1.1	2017/05/31	18
NY6C_v1.2.pdf	NY6C series datasheet	1.2	2019/03/28	18
NY6P(J)_v1.2.pdf	NY6P(J) series datasheet	1.2	2020/03/17	24
NY6P(A)_v1.0.pdf	NY6P(A) series datasheet	1.0	2020/08/18	19
NY6_UM_v1.3.pdf	NY6 series user manual	1.3	2019/03/28	82
NY7 (4-bit MCU with 8-ch Voice/MIDI)				
NY7_Lineup_141017	NY7 Lineup	-	2014/10/17	1
NY7A_v1.2.pdf	NY7A series datasheet	1.2	2014/08/27	15
NY7B_v1.2.pdf	NY7B series datasheet	1.2	2014/08/27	14
NY7C_v1.2.pdf	NY7C series datasheet	1.2	2014/08/27	14
NY7P_v1.1.pdf	NY7P series datasheet	1.0	2015/08/31	27
NY7_UM_v1.5.pdf	NY7 series user manual	1.5	2018/05/07	83

File Name	Description	Ver.	Build Date	Pages
NY8 (8-bit EPROM-embedded MCU)				
NY8_Lineup_210930.pdf	NY8 Lineup	-	2021/09/30	1**
NY8A050D_v1.2.pdf	NY8A050D datasheet	1.2	2020/07/07	67
NY8A050E_v1.0.pdf	NY8A050E datasheet	1.0	2023/05/31	66
NY8A051B_v1.5.pdf	NY8A051B datasheet	1.5	2020/03/23	70
NY8A051D_v1.5.pdf	NY8A051D datasheet	1.5	2020/03/20	70
NY8A051D_v1.4_SC.pdf	NY8A051D datasheet (SC)	1.4	2018/08/17	67
NY8A051E_v1.3.pdf	NY8A051E datasheet	1.3	2020/03/23	73
NY8A051E_v1.2_SC.pdf	NY8A051E datasheet (SC)	1.2	2018/07/20	69
NY8A051F_v1.5.pdf	NY8A051F datasheet	1.5	2021/07/07	76
NY8A051G_v1.3.pdf	NY8A051G datasheet	1.3	2025/02/27	75
<i>NY8A051H_v2.1.pdf</i>	<i>NY8A051H datasheet</i>	<i>2.1</i>	<i>2025/08/26</i>	<i>83</i>
<i>NY8A051H_v2.1_SC.pdf</i>	<i>NY8A051H datasheet (SC)</i>	<i>2.1</i>	<i>2025/08/27</i>	<i>75</i>
<i>NY8A051H1_v1.2.pdf</i>	<i>NY8A051H1 datasheet</i>	<i>1.2</i>	<i>2025/08/26</i>	<i>85</i>
<i>NY8A051H1_v1.2_SC.pdf</i>	<i>NY8A051H1 datasheet (SC)</i>	<i>1.2</i>	<i>2025/08/26</i>	<i>77</i>
<i>NY8A051J_v1.3.pdf</i>	<i>NY8A051J datasheet</i>	<i>1.3</i>	<i>2025/08/26</i>	<i>83</i>
<i>NY8A051K_v1.3.pdf</i>	<i>NY8A051K datasheet</i>	<i>1.3</i>	<i>2025/08/26</i>	<i>87</i>
<i>NY8A051L_v1.2.pdf</i>	<i>NY8A051L datasheet</i>	<i>1.2</i>	<i>2025/08/26</i>	<i>84</i>
NY8A053B_v1.5.pdf	NY8A053B datasheet	1.5	2020/03/23	74
NY8A053D_v1.6.pdf	NY8A053D datasheet	1.6	2020/03/20	75
NY8A053D_v1.5_SC.pdf	NY8A053D datasheet (SC)	1.5	2018/07/20	71
NY8A053E_v1.3.pdf	NY8A053E datasheet	1.3	2024/11/28	87
NY8A053E_v1.3_SC.pdf	NY8A053E datasheet (SC)	1.3	2024/11/28	82
NY8A052E_v1.2.pdf	NY8A052E datasheet	1.2	2024/11/28	89
NY8A052E_v1.2_SC.pdf	NY8A052E datasheet (SC)	1.2	2024/11/28	83
NY8A054A_v1.5.pdf	NY8A054A datasheet	1.5	2020/03/23	115
NY8A054D_v1.4.pdf	NY8A054D datasheet	1.4	2023/02/28	102
NY8A054D_v1.4_SC.pdf	NY8A054D datasheet (SC)	1.4	2023/02/28	95
NY8A054E_v1.5.pdf	NY8A054E datasheet	1.5	2024/11/28	97
NY8A054E_v1.5_SC.pdf	NY8A054E datasheet (SC)	1.5	2024/11/28	102
<i>NY8A54E1_v1.0.pdf</i>	<i>NY8A054E1 datasheet</i>	<i>1.0</i>	<i>2025/09/05</i>	<i>117</i>
NY8A056A_v1.6.pdf	NY8A056A datasheet	1.6	2020/05/31	99
NY8AE51D_v1.1.pdf	NY8AE51D datasheet	1.1	2020/03/25	88
NY8AE51F_v1.5.pdf	NY8AE51F datasheet	1.5	2024/07/05	90
NY8AE51F_v1.5_SC.pdf	NY8AE51F datasheet (SC)	1.5	2024/07/05	81
NY8B060D_v1.2.pdf	NY8B060D datasheet	1.2	2024/11/29	99
NY8B060D_v1.1_SC.pdf	NY8B060D datasheet(SC)	1.1	2022/08/31	92

File Name	Description	Ver.	Build Date	Pages
NY8B061E_v1.1.pdf	NY8B061E datasheet	1.1	2023/02/28	115
NY8B061E_v1.1_SC.pdf	NY8B061E datasheet(SC)	1.1	2023/02/28	110
NY8B062A_v1.4.pdf	NY8B062A datasheet	1.4	2023/02/28	119
NY8B062E_v1.1.pdf	NY8B062E datasheet	1.1	2021/07/16	117
NY8B062B_v1.3.pdf	NY8B062B datasheet	1.3	2023/02/28	119
NY8B062D_v1.8.pdf	NY8B062D datasheet	1.8	2023/02/28	115
NY8B062D_v1.8_SC.pdf	NY8B062D datasheet (SC)	1.8	2023/02/28	112
NY8B062E_v1.2.pdf	NY8B062E datasheet	1.2	2023/02/28	111
NY8B062E_v1.2_SC.pdf	NY8B062E datasheet (SC)	1.2	2023/02/28	117
<i>NY8B062F_v1.3.pdf</i>	<i>NY8B062F datasheet</i>	<i>1.3</i>	<i>2025/09/03</i>	<i>117</i>
NY8B062F_v1.2_SC.pdf	NY8B062F datasheet (SC)	1.2	2023/05/31	111
<i>NY8B062F1_v1.1.pdf</i>	<i>NY8B062F1 datasheet</i>	<i>1.1</i>	<i>2025/09/04</i>	<i>127</i>
NY8B072A_v1.5.pdf	NY8B072A datasheet	1.5	2020/03/24	120
NY8BE62D_v1.4.pdf	NY8BE62D datasheet	1.4	2024/11/29	134
NY8BE62D_v1.3_SC.pdf	NY8BE62D datasheet (SC)	1.3	2023/02/28	124
NY8BE64A_v1.3.pdf	NY8BE64A datasheet	1.3	2025/02/27	158
NY8BE64A_v1.3_SC.pdf	NY8BE64A datasheet (SC)	1.3	2025/02/27	145
NY8BM61D_v1.2.pdf	NY8BM61D datasheet	1.2	2024/11/29	130
NY8BM61D_v1.2_SC.pdf	NY8BM61D datasheet (SC)	1.2	2024/11/29	119
NY8BM62D_v1.2.pdf	NY8BM62D datasheet	1.2	2024/11/29	130
NY8BM62D_v1.2_SC.pdf	NY8BM62D datasheet (SC)	1.2	2024/11/29	121
NY8BM72A_v1.2.pdf	NY8BM72A datasheet	1.2	2020/06/24	129
<i>NY8BM84A_v1.1.pdf</i>	<i>NY8BM84A datasheet</i>	<i>1.1</i>	<i>2025/09/03</i>	<i>150</i>
<i>NY8BM84A_v1.1_SC.pdf</i>	<i>NY8BM84A datasheet (SC)</i>	<i>1.1</i>	<i>2025/09/03</i>	<i>131</i>
<i>NY8F2481_v0.1.pdf</i>	<i>NY8F2481 datasheet</i>	<i>0.1</i>	<i>2025/09/05</i>	<i>161</i>
NY8TE64A_v1.5.pdf	NY8TE64A datasheet	1.5	2025/02/27	155
NY8TE64A_v1.4_SC.pdf	NY8TE64A datasheet (SC)	1.4	2025/02/27	141
NY8TM52D_v1.1.pdf	NY8TM52D datasheet	1.1	2024/07/05	93
NY8TM52D_v1.1_SC.pdf	NY8TM52D datasheet (SC)	1.1	2024/07/05	86
NY8L (8-bit MCU with LCD Driver, 1-ch Speech & Dual-Tone)				
NY8L_UM_v1.3.pdf	NY8L series user manual	1.3	2018/03/08	72
NY8L020A_v1.0.pdf	NY8L020A datasheet	1.0	2018/10/12	14
NY8L030A_v1.1.pdf	NY8L030A datasheet	1.1	2017/11/28	16
NY8L050A_v1.0.pdf	NY8L050A datasheet	1.0	2018/11/19	17
NY8LP05A_v1.1.pdf	NY8LP05A datasheet	1.1	2020/11/30	45
NY8LP08A_v1.0.pdf	NY8LP08A datasheet	1.0	2025/02/27	43

File Name	Description	Ver.	Build Date	Pages
NY8LP10A_v1.4.pdf	NY8LP10A datasheet	1.4	2020/11/30	52
NY8LP11A_v1.1.pdf	NY8LP11A datasheet	1.1	2020/11/30	43
NY9A (Audio Amplifier IC)				
NY9A001A_v1.0.pdf	NY9A001A datasheet	1.0	2014/04/16	11
NY9A001B_v1.1.pdf	NY9A001B datasheet	1.1	2024/04/29	9
NY9A004A_v1.1.pdf	NY9A004A datasheet	1.1	2015/11/25	8
NY9A008A_v1.0.pdf	NY9A008A datasheet	1.0	2014/08/05	8
NY9A109A_v1.0.pdf	NY9A109A datasheet	1.0	2014/12/25	7
NY9A802B_v1.0.pdf	NY9A802B datasheet	1.0	2023/02/20	9
NY9L (Low Power LCD Driver IC)				
NY9L_v1.0.pdf	NY9L series datasheet	1.0	2016/05/25	34
NY9M (High Power Motor Driver IC)				
NY9M005A_v1.2.pdf	NY9M005A datasheet	1.2	2015/08/13	8
NY9M006A_v1.2.pdf	NY9M006A datasheet	1.2	2015/08/20	8
NY9M006B_v1.0.pdf	NY9M006B datasheet	1.0	2024/06/12	8
NY9M008B_v1.0.pdf	NY9M008B datasheet	1.0	2017/05/23	8
NY9M009B_v1.0.pdf	NY9M009B datasheet	1.0	2019/01/24	8
NY9M012B_v1.0.pdf	NY9M012B datasheet	1.0	2017/07/24	8
NY9T (Low Standby Current Touch-Key and LED Controller)				
NY9T_UM_v1.3.pdf	NY9T series user manual	1.3	2016/08/31	57
NY9T_v1.3.pdf	NY9T series datasheet	1.3	2016/08/31	29
NY9T (Low Standby Current Touch-Key and LED Controller)				
NY9TP16A_v1.0.pdf	NY9TP16A datasheet	1.0	2017/08/31	29
NY9TS02A_v1.2.pdf	NY9TS02A datasheet	1.2	2019/03/26	11
NY9U (4-bit MCU with Universal Remote Controller)				
NY9UP02A_v1.1.pdf	NY9TS02A datasheet	1.1	2020/10/26	42
NX1 (32-bit MCU with SBC & 16-ch MIDI)				
NX1_Lineup_230221.pdf	NX1 Lineup	-	2023/02/21	2
NX1_OTP_UM_v2.2.pdf	NX1 OTP series user manual	2.2	2020/06/02	89
NX1_OTP_v2.8.pdf	NX1 OTP series datasheet	2.8	2022/08/16	44
<i>NX11FS2x_v1.5.pdf</i>	<i>NX11F datasheet</i>	<i>1.5</i>	<i>2025/07/25</i>	<i>33</i>
NX11S2xA_v1.2.pdf	NX11S2xA series datasheet	1.2	2021/12/24	22
NX11M2xA_v1.4.pdf	NX11M2xA series datasheet	1.4	2022/04/27	22
NX12F_NX13F_UM_v1.0	NX12F and NX13F series user manual	1.0	2024/02/26	79
<i>NX12F_NX13F_v1.8.pdf</i>	<i>NX12F and NX13F series datasheet</i>	<i>1.8</i>	<i>2025/07/25</i>	<i>38</i>
N25Q (SPI Flash Series)				
N25Q_v1.4.pdf	N25Q series datasheet	1.4	2022/08/10	18

<i>File Name</i>	<i>Description</i>	<i>Ver.</i>	<i>Build Date</i>	<i>Pages</i>
NY Standard Code				
NY_Melody-Code_v3.1.pdf	NY2/5/7 Series Melody IC standard Code	3.1	2020/09/04	52
NY_Touch Standard Code_v1.2_TC.pdf	NY9T Series Touch IC standard code (TC)	1.2	2018/08/13	58
NY_Touch Standard Code_v1.2_SC.pdf	NY9T Series Touch IC standard code (SC)	1.2	2018/08/13	58
NY_Touch Standard Code_v1.2_EN.pdf	NY9T Series Touch IC standard code (EN)	1.2	2018/08/13	59

File Name	Description	Ver.	Build Date	Pages
Software User Manual				
Hardware_Tool_UM_v5.0_TC.pdf	Hardware Developing Tool UM (TC)	5.0	2025/08/27	104
Hardware_Tool_UM_v5.0_SC.pdf	Hardware Developing Tool UM (SC)	5.0	2025/08/27	104
Hardware_Tool_UM_v5.0_EN.pdf	Hardware Developing Tool UM (EN)	5.0	2025/08/27	108
Hardware_Tool_Appendix_v5.00_TC.pdf	Hardware Tool Appendix (TC)	5.00	2025/08/29	33
Hardware_Tool_Appendix_v5.00_SC.pdf	Hardware Tool Appendix (SC)	5.00	2025/08/29	33
Hardware_Tool_Appendix_v5.00_EN.pdf	Hardware Tool Appendix (EN)	5.00	2025/08/29	32
MP3-Like_UM_v3.6_TC.pdf	MP3-Like user manual (TC)	3.6	2025/08/27	24
MP3-Like_UM_v3.6_SC.pdf	MP3-Like user manual (SC)	3.6	2025/08/27	24
MP3-Like_UM_v3.6_EN.pdf	MP3-Like user manual (EN)	3.6	2025/08/27	24
MP3-Like_Engineer_UM_v3.6_TC.pdf	MP3-Like Engineer user manual (TC)	3.6	2025/08/27	89
MP3-Like_Engineer_UM_v3.6_SC.pdf	MP3-Like Engineer user manual (SC)	3.6	2025/08/27	89
MP3-Like_Engineer_UM_v3.6_EN.pdf	MP3-Like Engineer user manual (EN)	3.6	2025/08/27	89
NY8_Code_Converter_UM_v3.9_TC.pdf	NY8 Code Converter UM (TC)	3.9	2025/08/15	209
NY8_Code_Converter_UM_v3.9_SC.pdf	NY8 Code Converter UM (SC)	3.9	2025/08/15	209
NY8_Code_Converter_UM_v3.9_EN.pdf	NY8 Code Converter UM (EN)	3.9	2025/08/15	211
NY8_EX_v1.0_TC.pdf	NY8 Example Code (TC)	1.0	2015/05/26	35
NY8_EX_v1.0_SC.pdf	NY8 Example Code (SC)	1.0	2015/05/26	35
NY8_EX_v1.0_EN.pdf	NY8 Example Code (EC)	1.0	2015/05/26	35
NYASM_UM_v5.5_TC.pdf	NYASM user manual (TC)	5.5	2025/08/27	85
NYASM_UM_v5.5_SC.pdf	NYASM user manual (SC)	5.5	2025/08/27	85
NYASM_UM_v5.5_EN.pdf	NYASM user manual (EN)	5.5	2025/08/27	88
NYC_NY8_UM_v2.2_TC.pdf	NYC_NY8 user manual (TC)	2.2	2025/05/26	35
NYC_NY8_UM_v2.2_SC.pdf	NYC_NY8 user manual (SC)	2.2	2025/05/26	35
NYC_NY8_UM_v2.2_EN.pdf	NYC_NY8 user manual (EN)	2.2	2025/05/26	37
NYC_NY8L_UM_v1.2_TC.pdf	NYC_NY8L user manual (TC)	1.2	2025/02/19	11
NYC_NY8L_UM_v1.2_SC.pdf	NYC_NY8L user manual (SC)	1.2	2025/02/19	11
NYC_NY8L_UM_v1.2_EN.pdf	NYC_NY8L user manual (EN)	1.2	2025/02/19	11
NYC_NX1_UM_v1.0_TC.pdf	NYC_NX1 user manual (TC)	1.0	2016/11/16	7
NYC_NX1_UM_v1.0_SC.pdf	NYC_NX1 user manual (SC)	1.0	2016/11/16	7
NYC_NX1_UM_v1.0_EN.pdf	NYC_NX1 user manual (EN)	1.0	2016/11/16	7
NYIDE_UM_v5.9_TC.pdf	NYIDE user manual (TC)	5.9	2025/08/27	254
NYIDE_UM_v5.9_SC.pdf	NYIDE user manual (SC)	5.9	2025/08/27	254
NYIDE_UM_v5.9_EN.pdf	NYIDE user manual (EN)	5.9	2025/08/27	261

File Name	Description	Ver.	Build Date	Pages
NYISP_UM_v1.2_TC.pdf	NYISP user manual (TC)	1.2	2024/05/15	26
NYISP_UM_v1.2_SC.pdf	NYISP user manual (SC)	1.2	2024/05/15	26
NYISP_UM_v1.2_EN.pdf	NYISP user manual (EN)	1.2	2024/05/15	26
Quick-IO_UM_v4.2_TC.pdf	Quick-IO user manual (TC)	4.2	2024/08/26	49
Quick-IO_UM_v4.2_SC.pdf	Quick-IO user manual (SC)	4.2	2024/08/26	49
Quick-IO_UM_v4.2_EN.pdf	Quick-IO user manual (EN)	4.2	2024/08/26	49
Q-Audio_UM_v1.2.TC.pdf	Q-Audio user manual (TC)	1.2	2023/08/25	26
Q-Audio_UM_v1.2.SC.pdf	Q-Audio user manual (SC)	1.2	2023/08/25	26
Q-Audio_UM_v1.2.EN.pdf	Q-Audio user manual (EN)	1.2	2023/08/25	26
Q-Audio_Engineer_UM_v1.2.TC.pdf	Q-Audio Engineer user manual (TC)	1.2	2023/08/25	41
Q-Audio_Engineer_UM_v1.2.SC.pdf	Q-Audio Engineer user manual (SC)	1.2	2023/08/25	41
Q-Audio_Engineer_UM_v1.2.EN.pdf	Q-Audio Engineer user manual (EN)	1.2	2023/08/25	40
<i>Q-Code_UM_v8.4_TC.pdf</i>	<i>Q-Code user manual (TC)</i>	<i>8.4</i>	<i>2025/08/29</i>	<i>456</i>
<i>Q-Code_UM_v8.4_SC.pdf</i>	<i>Q-Code user manual (SC)</i>	<i>8.4</i>	<i>2025/08/29</i>	<i>456</i>
<i>Q-Code_UM_v8.4_EN.pdf</i>	<i>Q-Code user manual (EN)</i>	<i>8.4</i>	<i>2025/08/29</i>	<i>481</i>
Q-Code_EX_v2.0_TC.pdf	Q-Code Examples (TC)	2.0	2012/01/02	64
Q-Code_EX_v2.0_SC.pdf	Q-Code Examples (SC)	2.0	2012/01/02	64
Q-Code_EX_v2.0_EN.pdf	Q-Code Examples (EN)	2.0	2012/01/02	67
<i>Q-Fan_UM_v1.8_TC.pdf</i>	<i>Q-Fan user manual (TC)</i>	<i>1.8</i>	<i>2025/08/18</i>	<i>32</i>
<i>Q-Fan_UM_v1.8_SC.pdf</i>	<i>Q-Fan user manual (SC)</i>	<i>1.8</i>	<i>2025/08/18</i>	<i>32</i>
<i>Q-Fan_UM_v1.8_EN.pdf</i>	<i>Q-Fan user manual (EN)</i>	<i>1.8</i>	<i>2025/08/18</i>	<i>32</i>
QFID_Demo_Kit_UM_v1.1_TC.pdf	QFID Demo Kit user manual (TC)	1.1	2018/08/28	24
QFID_Demo_Kit_UM_v1.1_SC.pdf	QFID Demo Kit user manual (SC)	1.1	2018/08/28	24
QFID_Demo_Kit_UM_v1.1_EN.pdf	QFID Demo Kit user manual (EN)	1.1	2018/08/28	25
Q-LCD_UM_v1.0_TC.pdf	Q-LCD user manual (TC)	1.0	2017/08/31	34
Q-LCD_UM_v1.0_SC.pdf	Q-LCD user manual (SC)	1.0	2017/08/31	34
Q-LCD_UM_v1.0_EN.pdf	Q-LCD user manual (EN)	1.0	2017/08/31	34
Q-Light_UM_v2.5_TC.pdf	Q-Light user manual (TC)	2.5	2023/08/11	78
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Q-Light_UM_v2.5_EN.pdf	Q-Light user manual (EN)	2.5	2023/08/11	78
<i>Q-MIDI_UM_v5.6_TC.pdf</i>	<i>Q-MIDI user manual (TC)</i>	<i>5.6</i>	<i>2025/08/27</i>	<i>122</i>
<i>Q-MIDI_UM_v5.6_SC.pdf</i>	<i>Q-MIDI user manual (SC)</i>	<i>5.6</i>	<i>2025/08/27</i>	<i>122</i>
<i>Q-MIDI_UM_v5.6_EN.pdf</i>	<i>Q-MIDI user manual (EN)</i>	<i>5.6</i>	<i>2025/08/27</i>	<i>123</i>
Q-Recorder_UM_v1.2_TC.pdf	Q-Recorder user manual (TC)	1.2	2017/11/30	19
Q-Recorder_UM_v1.2_SC.pdf	Q-Recorder user manual (SC)	1.2	2017/11/30	19
Q-Recorder_UM_v1.2_EN.pdf	Q-Recorder user manual (EN)	1.2	2017/11/30	19

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Q-Remote_UM_v1.0.TC.pdf	Q-Remote user manual (TC)	1.0	2020/11/15	14
Q-Remote_UM_v1.0.SC.pdf	Q-Remote user manual (SC)	1.0	2020/11/15	14
Q-Remote_UM_v1.0.EN.pdf	Q-Remote user manual (EN)	1.0	2020/11/15	14
Q-Sound_UM_v1.9_TC.pdf	Q-Sound user manual (TC)	1.9	2021/05/28	38
Q-Sound_UM_v1.9_SC.pdf	Q-Sound user manual (SC)	1.9	2021/05/28	38
Q-Sound_UM_v1.9_EN.pdf	Q-Sound user manual (EN)	1.9	2021/05/28	40
<i>Q-Speech_UM_v5.2_TC.pdf</i>	<i>Q-Speech user manual (TC)</i>	<i>5.2</i>	<i>2025/08/06</i>	<i>193</i>
<i>Q-Speech_UM_v5.2_SC.pdf</i>	<i>Q-Speech user manual (SC)</i>	<i>5.2</i>	<i>2025/08/06</i>	<i>193</i>
<i>Q-Speech_UM_v5.2_EN.pdf</i>	<i>Q-Speech user manual (EN)</i>	<i>5.2</i>	<i>2025/08/06</i>	<i>204</i>
Q-Tone_UM_v2.8_TC.pdf	Q-Tone user manual (TC)	2.8	2024/11/08	90
Q-Tone_UM_v2.8_SC.pdf	Q-Tone user manual (SC)	2.8	2024/11/08	90
Q-Tone_UM_v2.8_EN.pdf	Q-Tone user manual (EN)	2.8	2024/11/08	89
Q-Touch_UM_v1.8_TC.pdf	Q-Touch user manual (TC)	1.8	2025/02/21	50
Q-Touch_UM_v1.8_SC.pdf	Q-Touch user manual (SC)	1.8	2025/02/21	50
Q-Touch_UM_v1.8_EN.pdf	Q-Touch user manual (EN)	1.8	2025/02/21	51
Q-Visio_UM_v2.2_TC.pdf	Q-Visio user manual (TC)	2.2	2025/05/28	149
Q-Visio_UM_v2.2_SC.pdf	Q-Visio user manual (SC)	2.2	2025/05/28	149
Q-Visio_UM_v2.2_EN.pdf	Q-Visio user manual (EN)	2.2	2025/05/28	150
Q-Writer_UM_v5.9_TC.pdf	Q-Writer user manual (TC)	5.9	2025/05/29	152
Q-Writer_UM_v5.9_SC.pdf	Q-Writer user manual (SC)	5.9	2025/05/29	152
Q-Writer_UM_v5.9_EN.pdf	Q-Writer user manual (EN)	5.9	2025/05/29	154
SPI_Enconder_UM_v3.6_TC.pdf	SPI_Encoder user manual (TC)	3.6	2025/02/19	65
SPI_Enconder_UM_v3.6_SC.pdf	SPI_Encoder user manual (SC)	3.6	2025/02/19	65
SPI_Enconder_UM_v3.6_EN.pdf	SPI_Encoder user manual (EN)	3.6	2025/02/19	66
Voice Changer_UM_v1.2_TC.pdf	Voice Changer user manual (TC)	1.2	2024/02/16	23
Voice Changer_UM_v1.2_SC.pdf	Voice Changer user manual (SC)	1.2	2024/02/16	23
Voice Changer_UM_v1.2_EC.pdf	Voice Changer user manual (EN)	1.2	2024/02/16	23
Voice_Encoder_UM_v4.1_TC.pdf	Voice_Encoder user manual (TC)	4.1	2025/02/19	34
Voice_Encoder_UM_v4.1_SC.pdf	Voice_Encoder user manual (SC)	4.1	2025/02/19	34
Voice_Encoder_UM_v4.1_EN.pdf	Voice_Encoder user manual (EN)	4.1	2025/02/19	36

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Application Notes				
AP-01_Ver_1.2_TC.pdf	NY3C & NY3D Motor Interference (TC)	1.2	2008/06/12	2
AP-01_Ver_1.2_SC.pdf	NY3C & NY3D Motor Interference (SC)	1.2	2008/06/12	2
AP-01_Ver_1.2_EN.pdf	NY3C & NY3D Motor Interference (EN)	1.2	2008/06/12	2
AP-02_Ver_1.0_TC.pdf	NY5 Assembly Programming Notice (TC)	1.0	2008/08/05	3
AP-02_Ver_1.0_SC.pdf	NY5 Assembly Programming Notice (SC)	1.0	2008/08/05	3
AP-02_Ver_1.0_EN.pdf	NY5 Assembly Programming Notice (EN)	1.0	2008/08/05	3
AP-03_Ver_1.0_TC.pdf	NY5 Assembly Programming Notice (TC)	1.0	2010/01/06	2
AP-03_Ver_1.0_SC.pdf	NY5 Assembly Programming Notice (SC)	1.0	2010/01/06	2
AP-03_Ver_1.0_EN.pdf	NY5 Assembly Programming Notice (EN)	1.0	2010/01/06	2
AP-04_Ver_1.0_TC.pdf	NY2 Play the same pitch Notice (TC)	1.0	2010/03/04	1
AP-04_Ver_1.0_SC.pdf	NY2 Play the same pitch Notice (SC)	1.0	2010/03/04	1
AP-04_Ver_1.0_EN.pdf	NY2 Play the same pitch Notice (EN)	1.0	2010/03/04	1
AP-05_Ver_1.0_TC.pdf	NY5 Assembly Programming Notice (TC)	1.0	2010/06/21	2
AP-05_Ver_1.0_SC.pdf	NY5 Assembly Programming Notice (SC)	1.0	2010/06/21	2
AP-05_Ver_1.0_EN.pdf	NY5 Assembly Programming Notice (EN)	1.0	2010/06/21	2
AP-06_Ver_1.0_TC.pdf	NY4 Assembly Programming Notice (TC)	1.0	2010/07/23	1
AP-06_Ver_1.0_SC.pdf	NY4 Assembly Programming Notice (SC)	1.0	2010/07/23	1
AP-06_Ver_1.0_EN.pdf	NY4 Assembly Programming Notice (EN)	1.0	2010/07/23	1
AP-07_Ver_1.0_TC.pdf	NY4A & NY4B IC Bonding Notice (TC)	1.0	2011/06/14	1
AP-07_Ver_1.0_SC.pdf	NY4A & NY4B IC Bonding Notice (SC)	1.0	2011/06/14	1
AP-07_Ver_1.0_EN.pdf	NY4A & NY4B IC Bonding Notice (EN)	1.0	2011/06/14	1
AP-08_Ver_1.0_TC.pdf	Inaccurate LED Flash Rate of NY3P (TC)	1.0	2012/08/15	1
AP-08_Ver_1.0_SC.pdf	Inaccurate LED Flash Rate of NY3P (SC)	1.0	2012/08/15	1
AP-08_Ver_1.0_EN.pdf	Inaccurate LED Flash Rate of NY3P (EN)	1.0	2012/08/15	1
AP-09_Ver_1.0_TC.pdf	NY3xxxB LED Flash Notice (TC)	1.0	2013/08/01	1
AP-09_Ver_1.0_SC.pdf	NY3xxxB LED Flash Notice (SC)	1.0	2013/08/01	1
AP-09_Ver_1.0_EN.pdf	NY3xxxB LED Flash Notice (EN)	1.0	2013/08/01	1
AP-10_Ver_1.0_TC.pdf	NY3P(B) OTP Application Notice (TC)	1.0	2013/11/29	1
AP-10_Ver_1.0_SC.pdf	NY3P(B) OTP Application Notice (SC)	1.0	2013/11/29	1
AP-10_Ver_1.0_EN.pdf	NY3P(B) OTP Application Notice (EN)	1.0	2013/11/29	1
AP-11_Ver_1.1_TC.pdf	NY9A001A/004A Application Note (TC)	1.1	2015/11/25	4
AP-11_Ver_1.1_SC.pdf	NY9A001A/004A Application Note (SC)	1.1	2015/11/25	4
AP-11_Ver_1.1_EN.pdf	NY9A001A/004A Application Note (EN)	1.1	2015/11/25	4

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AP-12_Ver_1.0_TC.pdf	NY3L Application Note (TC)	1.0	2014/08/18	5
AP-12_Ver_1.0_SC.pdf	NY3L Application Note (SC)	1.0	2014/08/18	5
AP-12_Ver_1.0_EN.pdf	NY3L Application Note (EN)	1.0	2014/08/18	5
AP-13_Ver_1.0_TC.pdf	NY9M Application Note (TC)	1.0	2014/09/02	1
AP-13_Ver_1.0_SC.pdf	NY9M Application Note (SC)	1.0	2014/09/02	1
AP-13_Ver_1.0_EN.pdf	NY9M Application Note (EN)	1.0	2014/09/02	1
AP-14_Ver_1.0_TC.pdf	NY8_ICE Application Note (TC)	1.0	2014/12/31	3
AP-14_Ver_1.0_SC.pdf	NY8_ICE Application Note (SC)	1.0	2014/12/31	3
AP-14_Ver_1.0_EN.pdf	NY8_ICE Application Note (EN)	1.0	2014/12/31	3
AP-15_Ver_1.0_TC.pdf	Multi-OTP_Writer Application Note (TC)	1.0	2015/04/16	2
AP-15_Ver_1.0_SC.pdf	Multi-OTP_Writer Application Note (SC)	1.0	2015/04/16	2
AP-15_Ver_1.0_EN.pdf	Multi-OTP_Writer Application Note (EN)	1.0	2015/04/16	2
AP-16_Ver_1.0_TC.pdf	Debounce 6 Frames in NY9T (TC)	1.0	2016/02/26	1
AP-16_Ver_1.0_SC.pdf	Debounce 6 Frames in NY9T (SC)	1.0	2016/02/26	1
AP-16_Ver_1.0_EN.pdf	Debounce 6 Frames in NY9T (EN)	1.0	2016/02/26	1
AP-17_Ver_1.0_TC.pdf	The Extension of OTP_Writer Ver.C and NY8-OTP_Writer Ver.A (TC)	1.0	2016/08/23	2
AP-17_Ver_1.0_SC.pdf	The Extension of OTP_Writer Ver.C and NY8-OTP_Writer Ver.A (SC)	1.0	2016/08/23	2
AP-17_Ver_1.0_EN.pdf	The Extension of OTP_Writer Ver.C and NY8-OTP_Writer Ver.A (EN)	1.0	2016/08/23	2
AP-18_Ver_1.0_TC.pdf	Precautions to PCB Layout for R _{ADJ} in NY9T Series (TC)	1.0	2016/08/30	1
AP-18_Ver_1.0_SC.pdf	Precautions to PCB Layout for R _{ADJ} in NY9T Series (SC)	1.0	2016/08/30	1
AP-18_Ver_1.0_EN.pdf	Precautions to PCB Layout for R _{ADJ} in NY9T Series (EN)	1.0	2016/08/30	1
AP-19_Ver_1.0_TC.pdf	Mode Switch I/O Setting (TC)	1.0	2016/11/15	3
AP-19_Ver_1.0_SC.pdf	Mode Switch I/O Setting (SC)	1.0	2016/11/15	3
AP-19_Ver_1.0_EN.pdf	Mode Switch I/O Setting (EN)	1.0	2016/11/15	4
AP-20_Ver_1.0_TC.pdf	Application Note of Setting NY6 Factor (TC)	1.0	2017/05/05	1
AP-20_Ver_1.0_SC.pdf	Application Note of Setting NY6 Factor (SC)	1.0	2017/05/05	1
AP-20_Ver_1.0_EN.pdf	Application Note of Setting NY6 Factor (EN)	1.0	2017/05/05	1
AP-21_Ver_1.0_TC.pdf	Application Note of Using NY8L ICE (TC)	1.0	2017/11/29	2
AP-21_Ver_1.0_SC.pdf	Application Note of Using NY8L ICE (SC)	1.0	2017/11/29	2
AP-21_Ver_1.0_EN.pdf	Application Note of Using NY8L ICE (EN)	1.0	2017/11/29	2
AP-22_Ver_1.0_TC.pdf	The Extension of NY3P SOP8 Transfer Board (TC)	1.0	2017/11/14	1
AP-22_Ver_1.0_SC.pdf	The Extension of NY3P SOP8 Transfer Board (SC)	1.0	2017/11/14	1
AP-22_Ver_1.0_EN.pdf	The Extension of NY3P SOP8 Transfer Board (EN)	1.0	2017/11/14	1

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AP-23_Ver_1.0_TC.pdf	Method for Updating the Sensitivity of NY9TP16A (TC)	1.0	2017/11/22	1
AP-23_Ver_1.0_SC.pdf	Method for Updating the Sensitivity of NY9TP16A (SC)	1.0	2017/11/22	1
AP-23_Ver_1.0_EN.pdf	Method for Updating the Sensitivity of NY9TP16A (EN)	1.0	2017/11/22	1
AP-24_Ver_1.0_TC.pdf	Comparison of Inductors for NY1C007A Efficiency (TC)	1.0	2018/07/31	5
AP-24_Ver_1.0_SC.pdf	Comparison of Inductors for NY1C007A Efficiency (SC)	1.0	2018/07/31	5
AP-24_Ver_1.0_EN.pdf	Comparison of Inductors for NY1C007A Efficiency (EN)	1.0	2018/07/31	5
AP-25_Ver_1.0_TC.pdf	NX1 Interrupt Issue (TC)	1.0	2018/10/25	2
AP-25_Ver_1.0_SC.pdf	NX1 Interrupt Issue (SC)	1.0	2018/10/25	2
AP-25_Ver_1.0_EN.pdf	NX1 Interrupt Issue (EN)	1.0	2018/10/25	2
AP-26_Ver_1.0_TC.pdf	NY8L SPI Flash Application Notice (TC)	1.0	2018/11/19	1
AP-26_Ver_1.0_SC.pdf	NY8L SPI Flash Application Notice (SC)	1.0	2018/11/19	1
AP-26_Ver_1.0_EN.pdf	NY8L SPI Flash Application Notice (EN)	1.0	2018/11/19	1
AP-27_Ver_1.0_TC.pdf	Application Notices for NX1 Series IC Using SPI Flash (TC)	1.0	2019/01/24	3
AP-27_Ver_1.0_SC.pdf	Application Notices for NX1 Series IC Using SPI Flash (SC)	1.0	2019/01/24	3
AP-27_Ver_1.0_EN.pdf	Application Notices for NX1 Series IC Using SPI Flash (EN)	1.0	2019/01/24	3
AP-28_Ver_1.0_TC.pdf	DAC Output of OTP NY5PxxxJ Series ICs Application Notice (TC)	1.0	2019/05/28	1
AP-28_Ver_1.0_SC.pdf	DAC Output of OTP NY5PxxxJ Series ICs Application Notice (SC)	1.0	2019/05/28	1
AP-28_Ver_1.0_EN.pdf	DAC Output of OTP NY5PxxxJ Series ICs Application Notice (EN)	1.0	2019/05/28	1
AP-29_Ver_1.0_TC.pdf	Notices for Powered-on Pins of NY5PxxxJ OTP Series (TC)	1.0	2019/08/12	1
AP-29_Ver_1.0_SC.pdf	Notices for Powered-on Pins of NY5PxxxJ OTP Series (SC)	1.0	2019/08/12	1
AP-29_Ver_1.0_EN.pdf	Notices for Powered-on Pins of NY5PxxxJ OTP Series (EN)	1.0	2019/08/12	1
AP-30_Ver_1.0_TC.pdf	Notices for Powered-on Pins of NY6PxxxJ OTP Series (TC)	1.0	2019/08/12	1
AP-30_Ver_1.0_SC.pdf	Notices for Powered-on Pins of NY6PxxxJ OTP Series (SC)	1.0	2019/08/12	1
AP-30_Ver_1.0_EN.pdf	Notices for Powered-on Pins of NY6PxxxJ OTP Series (EN)	1.0	2019/08/12	1
AP-31_Ver_1.1_TC.pdf	Application Note of NX1 Using XIP (TC)	1.1	2022/05/30	2
AP-31_Ver_1.1_SC.pdf	Application Note of NX1 Using XIP (SC)	1.1	2022/05/30	2
AP-31_Ver_1.1_EN.pdf	Application Note of NX1 Using XIP (EN)	1.1	2022/05/30	2
AP-32_Ver_1.0_TC.pdf	Application Note of NX1 for Using ICE Simulation (TC)	1.0	2020/05/25	1
AP-32_Ver_1.0_SC.pdf	Application Note of NX1 for Using ICE Simulation (SC)	1.0	2020/05/25	1
AP-32_Ver_1.0_EN.pdf	Application Note of NX1 for Using ICE Simulation (EN)	1.0	2020/05/25	1
AP-33_Ver_1.0_TC.pdf	Application Notice for PCB Layout of Speech IC (TC)	1.0	2020/09/17	1
AP-33_Ver_1.0_SC.pdf	Application Notice for PCB Layout of Speech IC (SC)	1.0	2020/09/17	1
AP-33_Ver_1.0_EN.pdf	Application Notice for PCB Layout of Speech IC (EN)	1.0	2020/09/17	1

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AP-34_Ver_1.0_TC.pdf	Notice for NY8L Series Fast Clock Divider (TC)	1.0	2020/12/11	1
AP-34_Ver_1.0_SC.pdf	Notice for NY8L Series Fast Clock Divider (SC)	1.0	2020/12/11	1
AP-34_Ver_1.0_EN.pdf	Notice for NY8L Series Fast Clock Divider (EN)	1.0	2020/12/11	1
AP-35_Ver_1.0_TC.pdf	The Influence for Operating Voltage on Volume and Frequency of NY1~7 Series IC (TC)	1.0	2021/02/22	1
AP-35_Ver_1.0_SC.pdf	The Influence for Operating Voltage on Volume and Frequency of NY1~7 Series IC (SC)	1.0	2021/02/22	1
AP-35_Ver_1.0_EN.pdf	The Influence for Operating Voltage on Volume and Frequency of NY1~7 Series IC (EN)	1.0	2021/02/22	1
AP-36_Ver_1.0_TC.pdf	Application Notice for NY9UP02A Replacing NY9UP01A (TC)	1.0	2021/03/23	1
AP-36_Ver_1.0_SC.pdf	Application Notice for NY9UP02A Replacing NY9UP01A (SC)	1.0	2021/03/23	1
AP-36_Ver_1.0_EN.pdf	Application Notice for NY9UP02A Replacing NY9UP01A (EN)	1.0	2021/03/23	1
AP-37_Ver_1.0_TC.pdf	Application Notice for NX1 EF Series IC Using SPI Flash Circuit (TC)	1.0	2021/08/20	5
AP-37_Ver_1.0_SC.pdf	Application Notice for NX1 EF Series IC Using SPI Flash Circuit (SC)	1.0	2021/08/20	5
AP-37_Ver_1.0_EN.pdf	Application Notice for NX1 EF Series IC Using SPI Flash Circuit (EN)	1.0	2021/08/20	5
AP-38_Ver_1.0_TC.pdf	Application Note of NX1 C_Module Executes SPI Flash Erasing (TC)	1.0	2022/05/31	2
AP-38_Ver_1.0_SC.pdf	Application Note of NX1 C_Module Executes SPI Flash Erasing (SC)	1.0	2022/05/31	2
AP-38_Ver_1.0_EN.pdf	Application Note of NX1 C_Module Executes SPI Flash Erasing (EN)	1.0	2022/05/31	2
AP-39_Ver_1.0_TC.pdf	Application Note of NX1 C_Module Executes SPI Mode Record Erase (TC)	1.0	2022/05/31	2
AP-39_Ver_1.0_SC.pdf	Application Note of NX1 C_Module Executes SPI Mode Record Erase (SC)	1.0	2022/05/31	2
AP-39_Ver_1.0_EN.pdf	Application Note of NX1 C_Module Executes SPI Mode Record Erase (EN)	1.0	2022/05/31	2
AP-40_Ver_1.0_TC.pdf	Setting of NX1 EF for Better Recording Quality (TC)	1.0	2023/02/24	2
AP-40_Ver_1.0_SC.pdf	Setting of NX1 EF for Better Recording Quality (SC)	1.0	2023/02/24	2
AP-40_Ver_1.0_EN.pdf	Setting of NX1 EF for Better Recording Quality (EN)	1.0	2023/02/24	2
AP-41_Ver_1.0_TC.pdf	Application for Channel Volume Adjustment of NY5Q Series IC (TC)	1.0	2024/02/06	1
AP-41_Ver_1.0_SC.pdf	Application for Channel Volume Adjustment of NY5Q Series IC (SC)	1.0	2024/02/06	1
AP-41_Ver_1.0_EN.pdf	Application for Channel Volume Adjustment of NY5Q Series IC (EN)	1.0	2024/02/06	1

File Name	Description	Ver.	Build Date	Pages
AP-42_Ver_1.0_TC.pdf	Precautions in Dynamic Updating Timer Data & PWM Duty for NY8 Series (TC)	1.0	2024/03/12	2
AP-42_Ver_1.0_SC.pdf	Precautions in Dynamic Updating Timer Data & PWM Duty for NY8 Series (SC)	1.0	2024/03/12	2
AP-42_Ver_1.0_EN.pdf	Precautions in Dynamic Updating Timer Data & PWM Duty for NY8 Series (EN)	1.0	2024/03/12	2
AP-43_Ver_1.0_TC.pdf	Mode-Switch Application Notice for NY3P(J) and NY3P(C) (TC)	1.0	2024/03/13	1
AP-43_Ver_1.0_SC.pdf	Mode-Switch Application Notice for NY3P(J) and NY3P(C) (SC)	1.0	2024/03/13	1
AP-43_Ver_1.0_EN.pdf	Mode-Switch Application Notice for NY3P(J) and NY3P(C) (EN)	1.0	2024/03/13	1
AP-44_Ver_1.0_TC.pdf	The Power Configuration for NX11FS2x series IC Using SPI Flash (TC)	1.0	2024/04/08	2
AP-44_Ver_1.0_SC.pdf	The Power Configuration for NX11FS2x series IC Using SPI Flash (SC)	1.0	2024/04/08	2
AP-44_Ver_1.0_EN.pdf	The Power Configuration for NX11FS2x series IC Using SPI Flash (EN)	1.0	2024/04/08	2
AP-45_Ver_1.0_TC.pdf	Application Notice for the cooperation of NY8L_ICE and Q-LCD (TC)	1.0	2024/04/03	1
AP-45_Ver_1.0_SC.pdf	Application Notice for the cooperation of NY8L_ICE and Q-LCD (SC)	1.0	2024/04/03	1
AP-45_Ver_1.0_EN.pdf	Application Notice for the cooperation of NY8L_ICE and Q-LCD (EN)	1.0	2024/04/03	1
AP-46_Ver_1.1_TC.pdf	The Application Notice for NY9A001A/001B Using PWM Amplifier (TC)	1.1	2025/05/21	1
AP-46_Ver_1.1_SC.pdf	The Application Notice for NY9A001A/001B Using PWM Amplifier (SC)	1.1	2025/05/21	1
AP-46_Ver_1.1_EN.pdf	The Application Notice for NY9A001A/001B Using PWM Amplifier (EN)	1.1	2025/05/21	1
AP-47_Ver_1.0_TC.pdf	Application for Using Center-off Switch with Spring Action (TC)	1.0	2024/12/09	3
AP-47_Ver_1.0_SC.pdf	Application for Using Center-off Switch with Spring Action (SC)	1.0	2024/12/09	3
AP-47_Ver_1.0_EN.pdf	Application for Using Center-off Switch with Spring Action (EN)	1.0	2024/12/09	3
AP-48_Ver_1.0_TC.pdf	Application Note for NY8 Series Dynamic Update V_HRCx1 (TC)	1.0	2025/02/27	2
AP-48_Ver_1.0_SC.pdf	Application Note for NY8 Series Dynamic Update V_HRCx1 (SC)	1.0	2025/02/27	2
AP-48_Ver_1.0_EN.pdf	Application Note for NY8 Series Dynamic Update V_HRCx1 (EN)	1.0	2025/02/27	2
AP-49_Ver_1.0_TC.pdf	Application Notes on Using NX1 EF Series ICs with SPI Flash (TC)	1.0	2025/04/10	8
AP-49_Ver_1.0_SC.pdf	Application Notes on Using NX1 EF Series ICs with SPI Flash (SC)	1.0	2025/04/10	8
AP-49_Ver_1.0_EN.pdf	Application Notes on Using NX1 EF Series ICs with SPI Flash (EN)	1.0	2025/04/10	9

2. Tools (Hardware & Software)

Tool Name	Description	Ver.	Build Date
Hardware Tools			
Q-FDB_Writer	Smaller Flash Demo Board Writer for NY1/2/3/4/5/6/7/8L/9T/NX1	A	-
Smart_Writer	OTP Writer for NY1/2/3/4/5/5+/6/7/8L/9 & NX1 OTP	A	2019/07/08
NY8-OTP_Writer (Ver.B)	OTP Writer with LCD display for NY8 OTP	B	2016/11/22
NYx_ICE	Emulator for NY4/5/6/7/9T	B	2012/08/29
NY8_ICE	Emulator for NY8	A	2014/08/20
NY8L_ICE	Emulator for NY8L	A	2017/11/21
NY9U_ICE	Emulator for NY9U.	A	2015/11/27
NX_Programmer	Multi-Function USB dongle for NX1 series	A	2016/11/22
Q-Link	MTP / Flash programming and chip emulator for NY8B series.	B	2020/09/03
NX1_ICE	Emulator for NX1	A	2016/11/18
NY1_FDB-02	NY1 Flash Demo Board with 2Mb flash	A	2011/09/01
NY2_FDB-02	NY2 Flash Demo Board with 2Mb flash	A	2009/11/25
NY3(B)_FDB-02	NY3(B) Flash Demo Board with 2Mb flash	B	2013/02/28
NY3(B)_FDB-04	NY3(B) Flash Demo Board with 4Mb flash	B	2013/02/28
NY3(B)_FDB-08	NY3(B) Flash Demo Board with 8Mb flash	B	2013/02/28
NY4_FDB-02	NY4 Flash Demo Board with 2Mb flash	A	2009/11/25
NY4_FDB-04	NY4 Flash Demo Board with 4Mb flash	A	2009/11/25
NY4_FDB-08	NY4 Flash Demo Board with 8Mb flash	A	2013/02/14
NY5_FDB-04	NY5 Flash Demo Board with 4Mb flash	D	2009/06/22
NY5_FDB-08	NY5 Flash Demo Board with 8Mb flash	D	2009/06/22
NY5_FDB-16	NY5 Flash Demo Board with 16Mb flash	D	2009/06/22
NY5_FDB-32	NY5 Flash Demo Board with 32Mb flash	D	2009/06/22
NY5_FDB-64	NY5_FDB with 64Mb flash for NY5P1K0J, NY5P1K2J	E	2019/03/29
NY5+_FDB-16	NY5+ Flash Demo Board with 16Mb flash	A	2021/03/08
NY6_FDB-04	NY6 Flash Demo Board with 4Mb flash and 16Mb SPI flash	A	2016/07/01
NY6_FDB-08	NY6 Flash Demo Board with 8Mb flash and 16Mb SPI flash	A	2016/07/01
NY6_FDB-16	NY6 Flash Demo Board with 16Mb flash and 16Mb SPI flash	A	2016/07/01
NY6_FDB-32	NY6 Flash Demo Board with 32Mb flash and 16Mb SPI flash	A	2016/07/01
NY7_FDB-04	NY7 Flash Demo Board with 4Mb flash	A	2013/05/28
NY7_FDB-08	NY7 Flash Demo Board with 8Mb flash	A	2013/05/28

Tool Name	Description	Ver.	Build Date
NY7_FDB-16	NY7 Flash Demo Board with 16Mb flash	A	2013/05/28
NY7_FDB-32	NY7 Flash Demo Board with 32Mb flash	A	2013/05/28
NY8L_FDB-02	NY8L Flash Demo Board with 2Mb flash	A	2017/11/24
NY9T_FDB-02	NY9T Flash Demo Board with 2Mb flash	B	2016/05/11
NY9T-TP_COB	NY9T Touch-Pad COB (front-end)	B	2016/05/04
NX1_FDB-128	NX1 Flash Demo Board with 128Mb SPI flash	C	2020/05/08
NX1_FDB-256	NX1 Flash Demo Board with 256Mb SPI flash	C	2020/05/08
NX1_COB	NX1 emulation COB	C	2020/05/08
Software Tools			
<i>MP3-Like</i>	<i>OTP's Easy MP3 and WAV DIY Programmer</i>	<i>3.40</i>	<i>250829.00</i>
<i>NY8 Code Converter</i>	<i>Easy 8-bit MCU Code Converter</i>	<i>3.20</i>	<i>250904.00</i>
<i>NYASM</i>	<i>NY4/5/5+/6/7/8/9 Assembler</i>	<i>2.70</i>	<i>250902.00</i>
NYC_NX1	NX1 Toolchain with C Compiler	3.20	210928.00
<i>NYC_NY8</i>	<i>C Compiler</i>	<i>2.00</i>	<i>250830.00</i>
NYC_NY8L	NY8L Toolchain with C Compiler	1.20	250221.00
<i>NYIDE</i>	<i>NY4/5/5+/6/7/8/9 & NX1 Integrated Developing Environment</i>	<i>5.80</i>	<i>250905.01</i>
<i>NYISP</i>	<i>NX1 In-System Programming</i>	<i>1.40</i>	<i>250904.00</i>
Quick-IO	NY2/3/4/5/5+ & NX1 Easy Output Signal Programmer	3.02	240822.00
Q-Audio	Customizable & Programming-Free Voice Prompt Editor	1.10	230823.00
<i>Q-Code</i>	<i>NY4/5/5+/6/7/9T & NX1 Power-Speech Programmer</i>	<i>8.20</i>	<i>250905.00</i>
<i>Q-Fan</i>	<i>LED-Flash-Word Fan Programmer</i>	<i>3.40</i>	<i>250903.00</i>
Q-LCD	NY8L Simulation	1.12	211129.00
Q-Light	NY1 Easy LED Control & Drive Programmer	1.76	230823.00
<i>Q-MIDI</i>	<i>NY2/5/5+/6/7 & NX1 MIDI Timbre Editor</i>	<i>4.60</i>	<i>250904.00</i>
Q-Recorder	Voice Recording for Cyberon Voice Recognition (VR) Adaptation	1.30	200525.00
Q-Remote	NY9UP02A IR Remote	1.00	201120.00
<i>Q-Sound</i>	<i>Auto Sound Editor</i>	<i>2.20</i>	<i>250904.00</i>
<i>Q-Speech</i>	<i>NY3/4/5+ Easy Programmer</i>	<i>4.31</i>	<i>2508228.00</i>
Q-Tone	NY2 Easy Programmer	1.80	241122.00
Q-Touch	NY8T/NY9T Easy Touch Sensitivity Calibration Tool	1.80	250221.00
Q-Visio	NY4/5/5+/6/7/9T&NX1 Easy Output Signal Editor w/o Voice (Action Editor)	2.00	250529.00
<i>Q-Writer</i>	<i>Software Driver for FDB_Writer, Q-FDB_Writer, NY_Romter, OTP_Writer & NX_Programmer</i>	<i>6.30</i>	<i>250904.00</i>

Tool Name	Description	Ver.	Build Date
<i>SPI_Encoder</i>	<i>NY6/7 & NX1 Voice/Midi Encoder & Rehearsal for SPI Flash</i>	<i>2.14</i>	<i>250828.00</i>
Voice Changer	What You Hear at PC Is What You Get at NX1	1.12	240830.00
Voice_Encoder	NY2/3/4/5/5+/6/7 & NX1 Voice Encoder & Rehearsal	4.23	250523.00