Product Document

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Application Note: AS3722– OTP Specification -10

AS3722-BCTT-10
AS3722-BWLT-10

OTP Specification -10

Table of Contents

Revision History

Revision	Date	Owner	Description
0.90	26.11.2013	pkm	Initial version
1.00	28.11.2013	pkm	Added NVPN
1.09	17.1.2014	pkm	Updates for chip version 1v21
1.10	23.1.2014	pkm	Added NVPN
1.20	28.3.2014	pkm	added MPN

1 General Description

The “-10” OTP version is applicable for the following ordering codes:

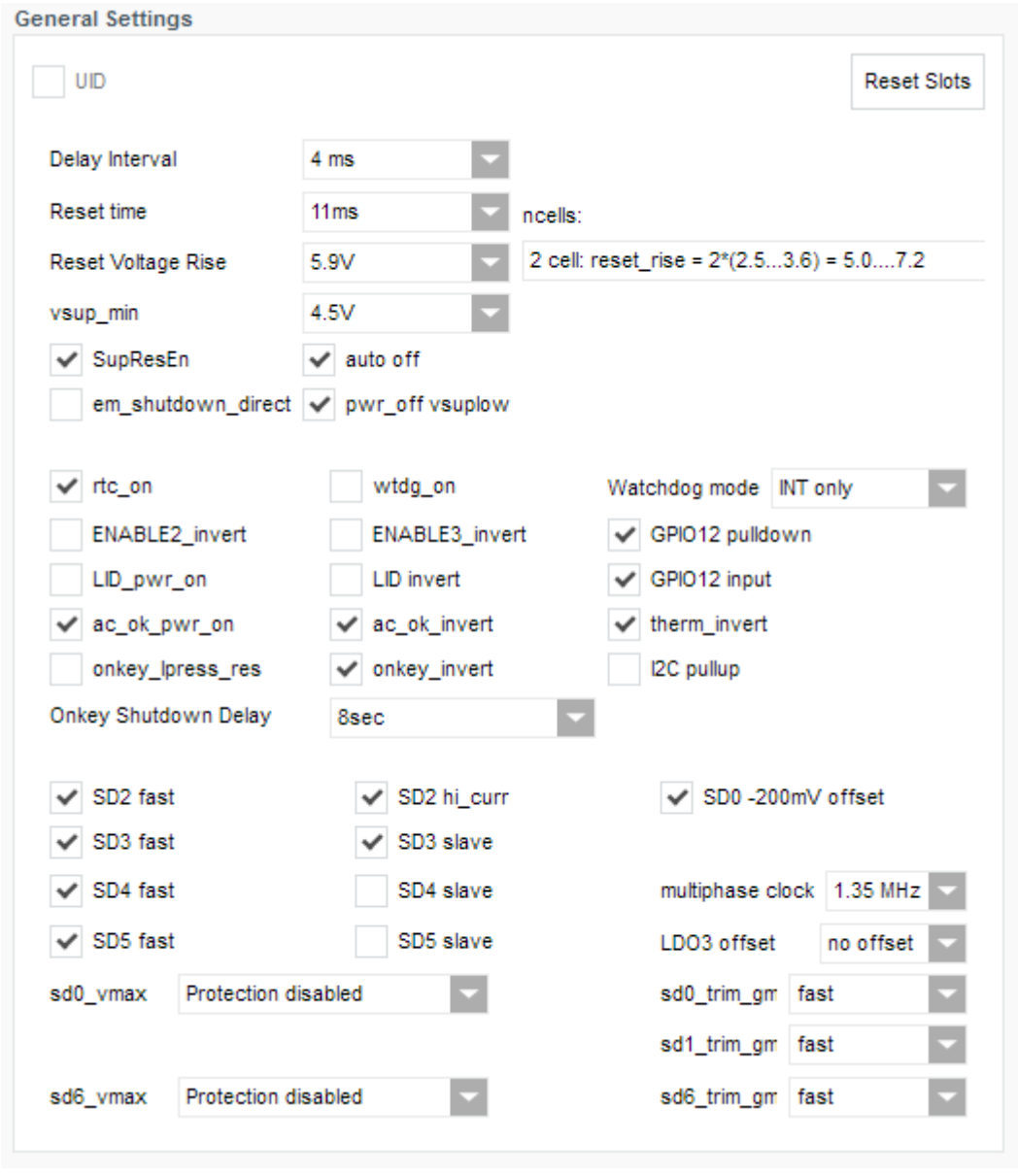
Ordering code	MPN	Reel Size	NVPN
AS3722-BCTT-10	193600018	500pcs	315-0282-000

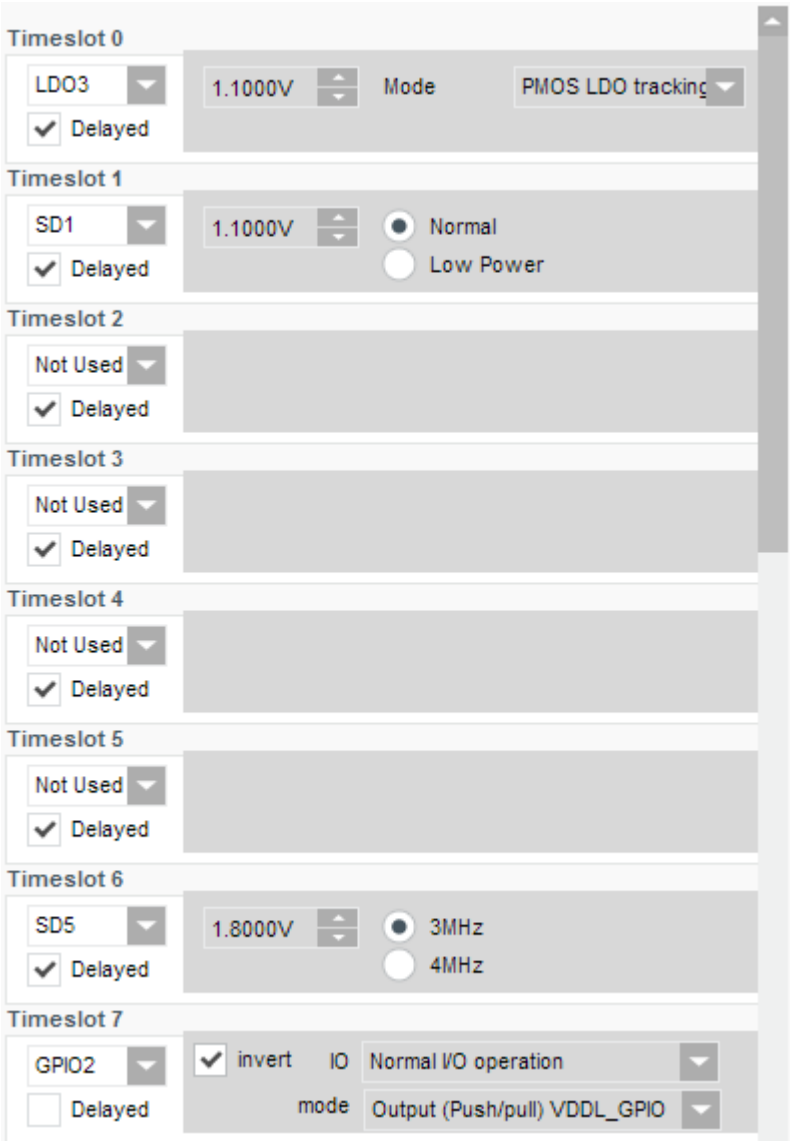
The silicon version used for these build used 1v21.

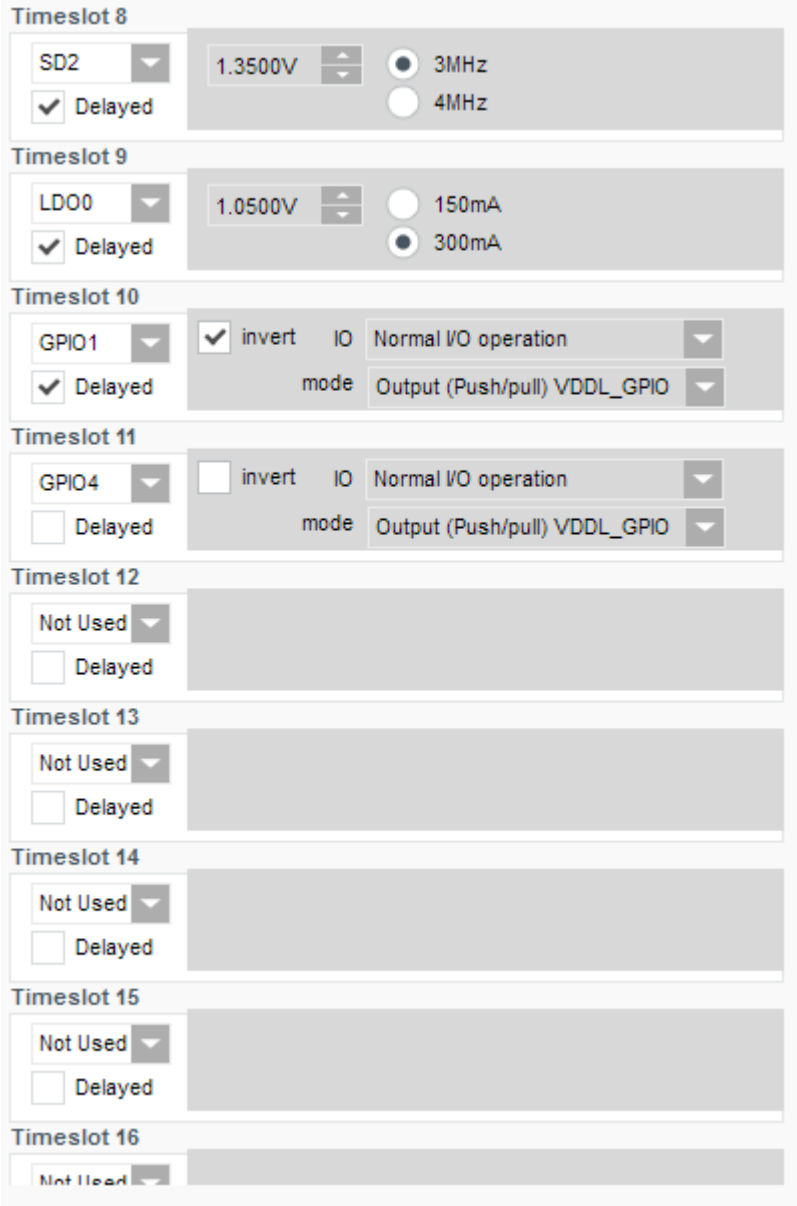
2 OTP Description

File name: AS3722_OTP-10_nVidia_1V35mem_2S_-200mV_em_shutdownN_20131125.txt

2.1 GUI SW screenshot




Timeslot 0
LDO3
Delayed
1.1000V
Mode
PMOS LDO tracking
Timeslot 1
SD1
Delayed
1.1000V
Normal
Low Power
Timeslot 2
Not Used
Delayed
Timeslot 3
Not Used
Delayed
Timeslot 4
Not Used
Delayed
Timeslot 5
Not Used
Delayed
Timeslot 6
SD5
Delayed
1.8000V
3MHz
4MHz
Timeslot 7
GPIO2
Delayed
invert
IO
Normal I/O operation
mode
Output (Push/pull) VDDL_GPIO



2.2 Start-up file

Fuse Register Settings

Register 0xa7 = 0x38 (00111000b)

Register 0xa8 = 0x4f (01001111b)

Register 0xa9 = 0xa4 (10100100b)

Register 0xaa = 0x57 (01010111b)

Register 0xab = 0x7e (01111110b)

Register 0xac = 0x41 (01000001b)

Register 0xad = 0x00 (00000000b)

Register 0xae = 0x00 (00000000b)

Register 0xaf = 0x11 (00010001b)
Register 0xb0 = 0xfb (11111011b)
Register 0xb1 = 0x13 (00010011b)
Register 0xb2 = 0x59 (01011001b)
Register 0xb3 = 0x32 (00110010b)
Register 0xb4 = 0xcc (11001100b)
Register 0xb5 = 0x00 (00000000b)
Register 0xb6 = 0x00 (00000000b)
Register 0xb7 = 0x2f (00101111b)
Register 0xb8 = 0xcc (11001100b)
Register 0xb9 = 0x00 (00000000b)
Register 0xba = 0x00 (00000000b)
Register 0xbb = 0xa5 (10100101b)
Register 0xbc = 0x50 (01010000b)
Register 0xbd = 0x87 (10000111b)
Register 0xbe = 0x2e (00101110b)
Register 0xbf = 0x02 (00000010b)
Register 0xc0 = 0x3c (00111100b)
Register 0xc1 = 0x8a (10001010b)
Register 0xc2 = 0xc9 (11001001b)
Register 0xc3 = 0x87 (10000111b)
Register 0xc4 = 0x07 (00000111b)
Register 0xc5 = 0x55 (01010101b)
Register 0xc6 = 0xcc (11001100b)
Register 0xc7 = 0x00 (00000000b)
Register 0xc8 = 0x00 (00000000b)
Register 0xc9 = 0xcc (11001100b)
Register 0xca = 0x00 (00000000b)
Register 0xcb = 0x00 (00000000b)
Register 0xcc = 0x05 (00010101b)
Register 0xcd = 0xcc (11001100b)
Register 0xce = 0x00 (00000000b)
Register 0xcf = 0x00 (00000000b)