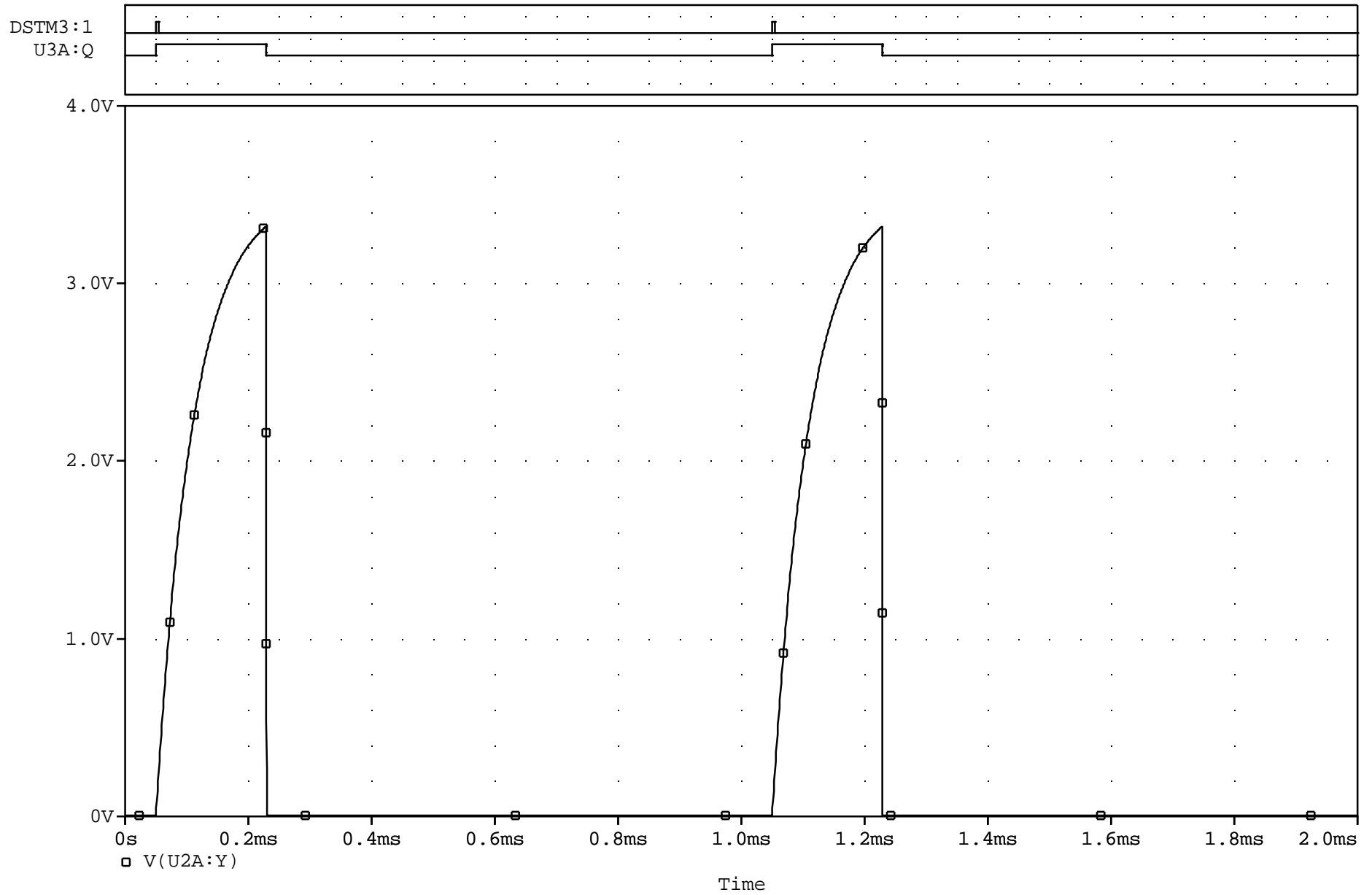
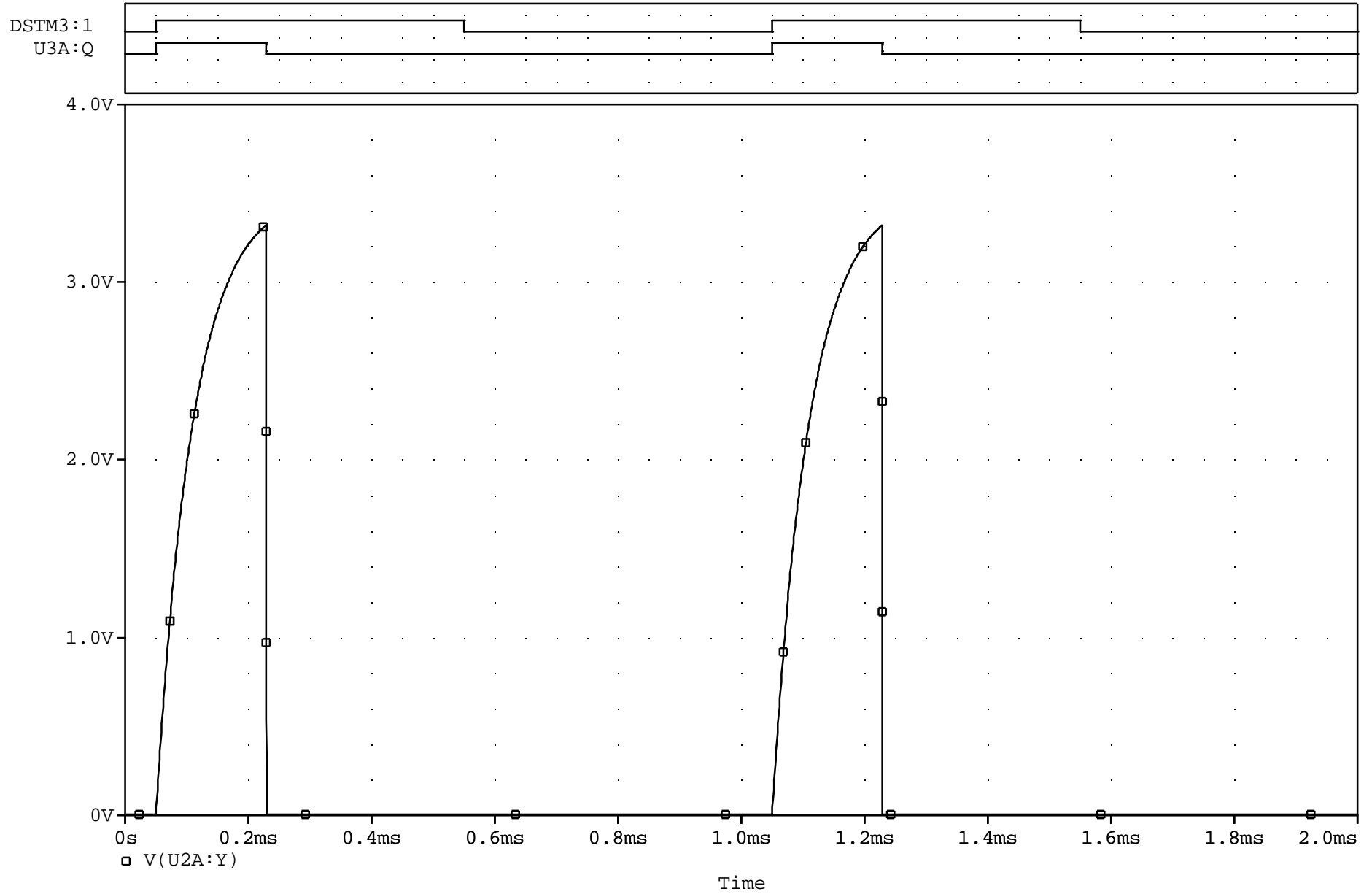
		ANALOG INNOVATIONS, Inc. 824 E. CATHEDRAL ROCK DRIVE PHOENIX, AZ 85048-6300 (480) 460-2350 FAX: (480) 460-2142	
Title: Behavioral One Shot			
Size A	FileName: ...\OneShotQ.sch		REV A
January 6, 2002		Sheet 1 of 1	

(A) OneShotQ...Input Pulse Shorter than Output



(A) OneShotQ...Input Pulse Longer than Output



* Schematics Netlist *

* COMPARATOR *

R1U1 int1U1 0 1G
R2U1 int1U1 int2U1 {SQRT(10n/0.693147)}
C1U1 int2U1 0 {SQRT(10n/0.693147)}
E2U1 N_3 0 VALUE {V(int2U1,0)*(5-0)+0}
E1U1 int1U1 0 VALUE {(tanh(2.197774/5m*V(N_1,N_2))+1)/2}
* END COMPARATOR *

C_C1 0 N_2 1n
R_R2 N_1 N_3 1K
R_R3 N_4 N_2 150K
V_V1 N_4 0 +5
U_DSTM1 STIM(1,1)
+ \$G_DPWR \$G_DGND
+ N_5
+ IO_STM
+ IO_LEVEL=0
+ 0s 1
X_U2A N_6 N_2 \$G_DPWR \$G_DGND 74HC05 PARAMS:
+ IO_LEVEL=0 MNTYMXDLY=0
X_U3A N_3 N_5 N_7 N_5 N_8 N_6 \$G_DPWR \$G_DGND 74HC74 PARAMS:
+ IO_LEVEL=0 MNTYMXDLY=0
R_R1 N_1 0 1K
R_R4 N_4 N_1 1K
U_DSTM3 STIM(1,1) \$G_DPWR \$G_DGND N_7 IO_STM IO_LEVEL=0
+ 0 0
+ +50u 1
+REPEAT FOREVER
+ +500u 0
+ +500u 1
+ ENDREPEAT