

CONTROL SIGNAL LOGIC

AMRAD

BUTTON_STATE	MOVE	OVERRIDE_EN
COMPLETE	X	1'B0
!= COMPLETE	!= NONE	1'B1
!= COMPLETE	NONE	HOLD VALUE

LATCH_COUNT	COMPLETION_SYNC	CLK_SM
2'B10	X	1'B1
!= 2'B10	1'B1	1'B1
!= 2'B10	1'B0	1'B0

OVERRIDE_EN	LATCH_COUNT	LATCH_COUNT
1'B0	X	2'B00
1'B1	2'B10	2'B00
1'B1	!= 2'B10	INC

CLK_SM	BUTTON_STATE	COMPLETION_SYNC
1'B0	COMPLETE	1'B1
1'B1	COMPLETE	1'B0
1'B0	!= COMPLETE	1'B0
1'B1	!= COMPLETE	1'B1

BUTTON STATE	OVERRIDE_EN	MOVE_SELECT	MOVE
COMPLETE	X	X	NONE
!= COMPLETE	1'B1	X	HOLD
!= COMPLETE	1'B0	4'B1110	DEP
!= COMPLETE	1'B0	4'B1101	DBK
!= COMPLETE	1'B0	4'B1011	BDFP
!= COMPLETE	1'B0	4'B0111	FDFP

LOAD_STATE	LOAD_OVERRIDE
LOAD_REFG	1'B0
!= LOAD_REFG	1'B1