

**ACTIVE NEGATION MAP FOR
SPI-2 (SE, HVD and LVD)**

(FUNCTION ON BUS: ACTIVE NEGATION REQUIREMENTS)

SERVICE*	ACK	REQ	DATA	PARITY	BSY	SEL	RST	ATN	I/O, C/D, MSG
SCAM	X	X	I or T:N	X	I or T:N	T:N	X	X	I or T:N
BUS FREE	X	X	X	X	X	X	X	X	X
ARBITRATION	X	X	ID:N	P:N	A:N	W:N	X	X	X
SELECTION	X	X	I:O	I:O	I&T:N	I:N	X	I:O	X
RESELECTION	X	X	T:O	T:O	I&T:N	T:N	X	I:O	T:O
COMMAND	I:O	T:O	I:O	I:O	T:N	X	X	I:O	T:O
DATA IN	I:R	T:R	T:R	T:R	T:N	X	X	I:O	T:O
DATA OUT	I:R	T:R	I:R	I:R	T:N	X	X	I:O	T:O
STATUS	I:O	T:O	T:O	T:O	T:N	X	X	I:O	T:O
MESSAGE IN	I:O	T:O	T:O	T:O	T:N	X	X	I:O	T:O
MESSAGE OUT	I:O	T:O	I:O	I:O	T:N	X	X	I:O	T:O
RESET	X	X	X	X	X	X	I or T:N	X	X

ABBREVIATIONS:

FUNCTIONS:

I = INITIATOR

T = TARGET

X = NONE (HIGH IMPEDANCE OUTPUT)

ID = SCSI ID

A = ALL

W = WINNER OF ABRITRATION

P = FUNCTION NOT REQUIRED

ASSERTION PERMITTED FROM ALL - SEE SECTION XXXXXX

ACTIVE NEGATION REQUIREMENTS:

N = ACTIVE NEGATION NOT ALLOWED (OR-TIED)

R = ACTIVE NEGATION REQUIRED

O = ACTIVE NEGATION OPTIONAL (NO HARM IF USED)

D = ACTIVE NEGATION RECOMMENDED (PERFORMANCE BENEFIT LIKELY)

* SERVICES ARE RELATED TO THE PHASES IN SCSI-2