

ACADDR,
ACVALID=1
ACSNOOP=MakeInvalid

AWADDR, AWVALID=1,
ACSNOOP=MakeInvalid

AWREADY=1, BRESP=OKAY

ACREADY=1

Invalid

CRRESP=OKAY

CRVALID=1

CDVALID=1

AWADDR,
AWVALID=1,
ACSNOOP=WriteLineUnique

AWADDR,
AWVALID=1,
ACSNOOP=MakeInvalid

AWREADY=1,
RLAST

ARADDR,
ARVALID=1,
ACSNOOP=ReadOnce

ARREADY=1,
RDATA, RRESP=OKAY
ACREADY=1, RVALID=1

AWREADY=1,
WREADY=1,
BRESP=OKAY,
BVALID=1

CDVALID=1, CDATA=DATA
CDVALID=1

Unique Clean

ARADDR,
ARVALID=1
ACSNOOP=ReadOnce

ARREADY=1, RDATA,

RRESP, RVALID

Shared

CDATA=Data from cacheline, CRRESP=OKAY
RRESP=OKAY

AWADDR
AWVALID=1
ACSNOOP=WriteLineUnique

AWREADY=1

RDATA=0, RRESP=0
RVALID=0,
CRRESP=0,
CRVALID=0

Unique Dirty

AWADDR,
AWVALID=1,
ACSNOOP=WriteLineUnique

AWREADY=1
RDATA=from cacheline
RRESP=OKAY
BRESP=0

AWADDR,
AWVALID=1, ACSNOOP=MakeInvalid

ACREADY=1
RRESP=Invalid

RDATA=0 CRRESP=OKAY
CDVALID=1
CDVALID=0

Shared Dirty

ARADDR
ARVALID=1
ACSNOOP=ReadOnce

ARREADY=1

RDATA
RRESP, RVALID

AWADDR,
AWVALID=1,
ACSNOOP=WriteLineUnique

AWREADY=1

RDATA=0, RRESP=0,
WREADY=1, BRESP=OKAY,
CDVALID=1, CDVALID=1

INPUTS

OUTPUTS

