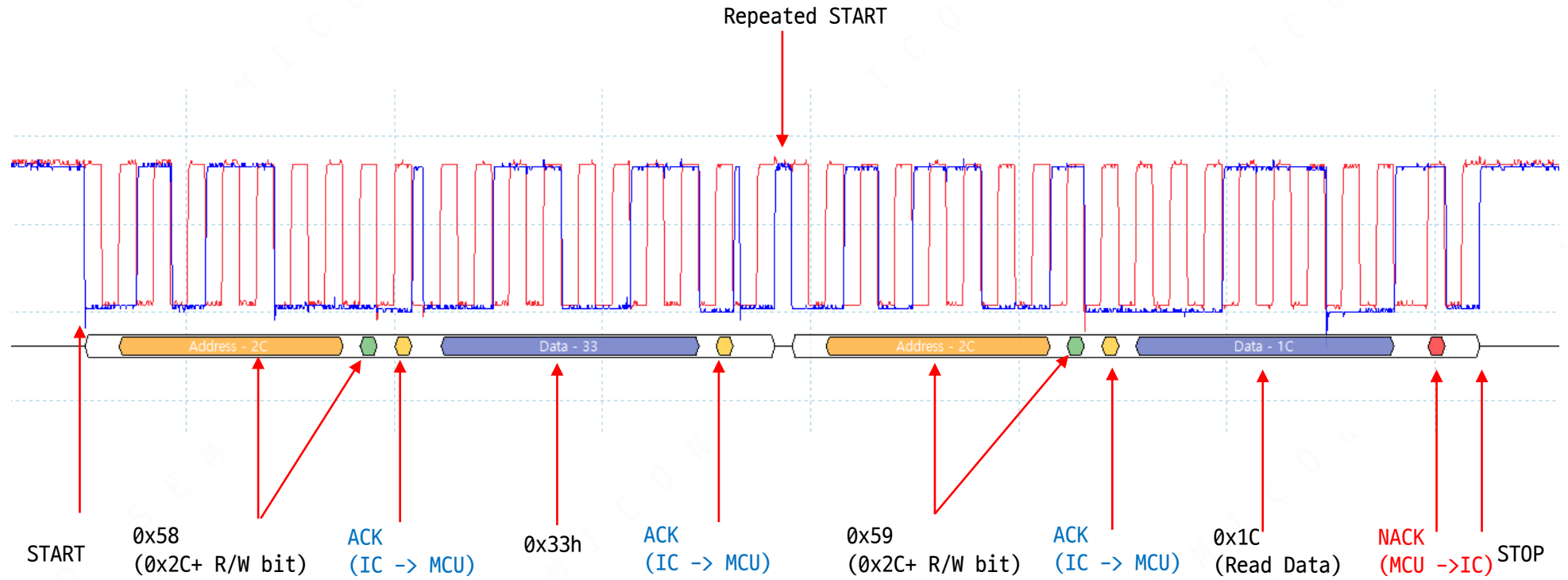# * ATIF20 Register Read I2C Waveform

-, Chip ID : 0x58 (7bit 0101100 + R/W bit 0/1)

-, Register Address: 0x33h

Repeated START

START

0x58
(0x2C+ R/W bit)

ACK
(IC -> MCU)

0x33h

ACK
(IC -> MCU)

0x59
(0x2C+ R/W bit)
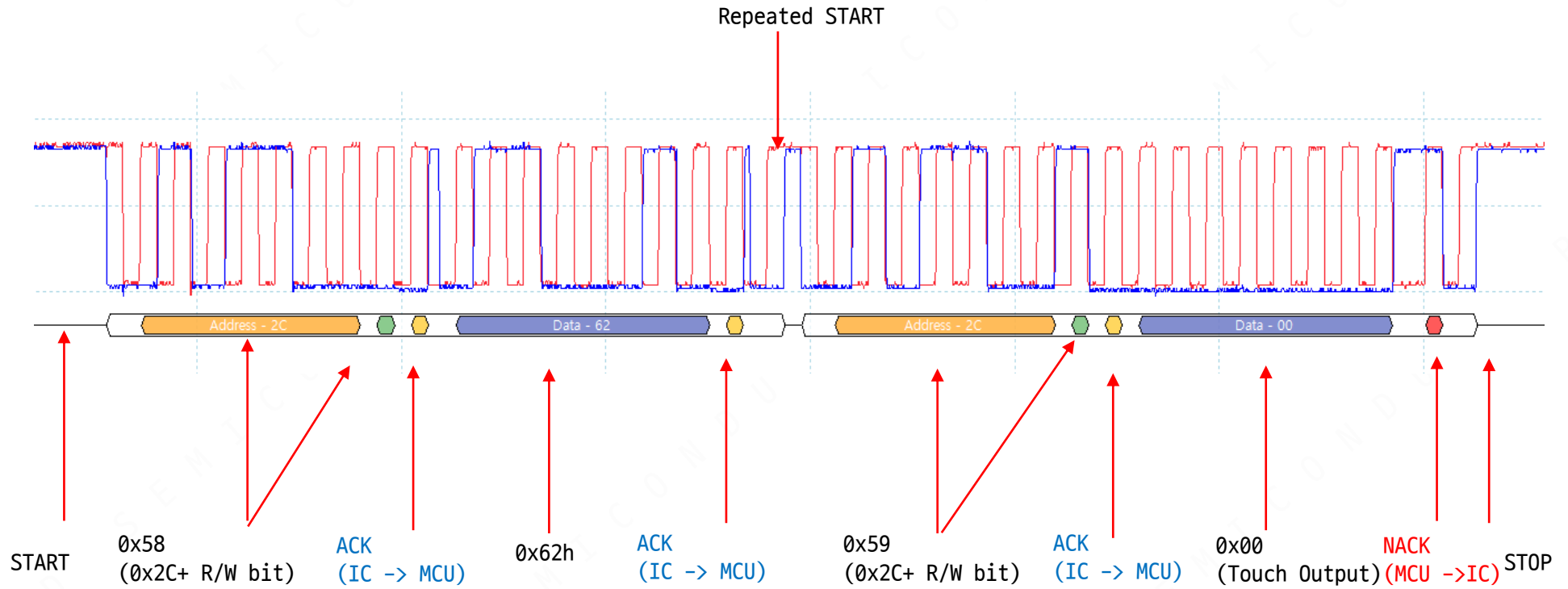
ACK
(IC -> MCU)

0x1C
(Read Data)

NACK
(MCU ->IC)

STOP

* ATIF20 Register Read I2C Waveform

-, Chip ID : 0x58 (7bit 0101100 + R/W bit 0/1)

-, Touch Output Register Address: 0x62h

-, Touch Output Data : 0x00 (No Touch)

Repeated START

START

0x58
(0x2C+ R/W bit)

ACK
(IC -> MCU)

0x62h

ACK
(IC -> MCU)

0x59
(0x2C+ R/W bit)

ACK
(IC -> MCU)

0x00
(Touch Output)

NACK
(MCU ->IC)

STOP

* ATIF20 Register Read I2C Waveform

-, Chip ID : 0x58 (7bit 0101100 + R/W bit 0/1)

-, Touch Output Register Address: 0x62h

-, Touch Output Data : 0x01 (CS1 Touch)