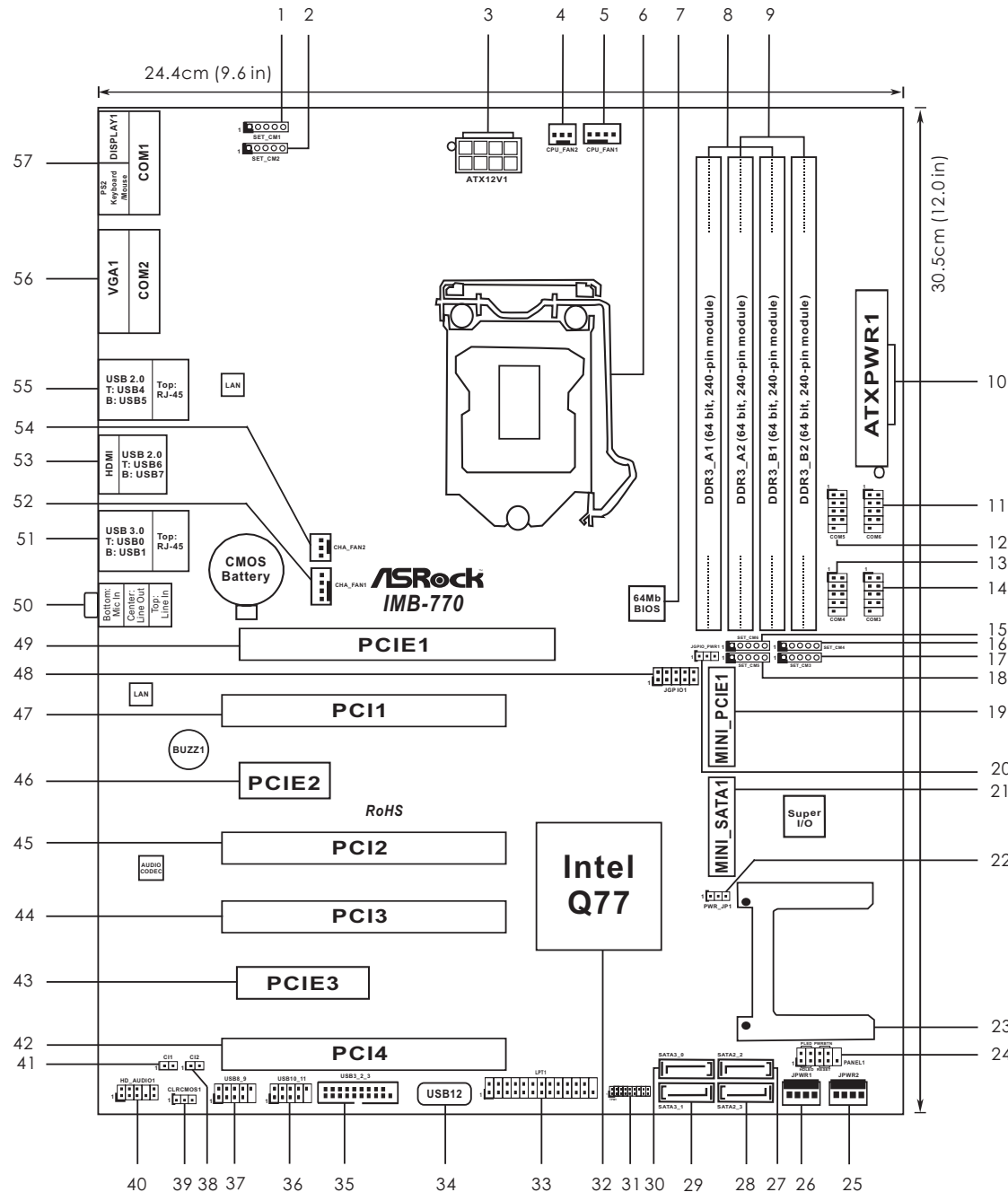




ASRock Jumpers and headers setting guide

IMB-770

The terms HDMI™ and HDMI High-Definition Multimedia Interface, and the HDMI logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.



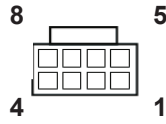
COM Port Signal/Power Setting Jumpers

- 1 : For COM1
- 2 : For COM2
- 15 : For COM6
- 16 : For COM4
- 17 : For COM3
- 18 : For COM5



- 1-2 : +12V
- 2-3 : +5V
- 4-5 : RI#

3 : ATX 12V Power Connector



- 4 : 3-Pin CPU FAN Connector (+12V)
- 5 : 4-Pin CPU FAN Connector (+12V)

6 : CPU Socket

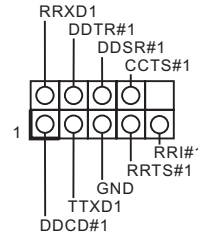
7 : Flash Memory (64Mb)

- 8 : 2 x 240-pin DDR3 DIMM Slots (DDR3_A1, DDR3_B1)
- 9 : 2 x 240-pin DDR3 DIMM Slots (DDR3_A2, DDR3_B2)

10 : 24-pin ATX Power Input Connector

RS-232 Port 4 Pin Headers

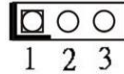
- 11 : COM6
- 12 : COM5
- 13 : COM4
- 14 : COM3



19 : mini-PCIE Slot

20 : Digital Input / Output Power select

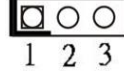
- 1-2: +12V
- 2-3: +5V



21 : mini-SATA Slot

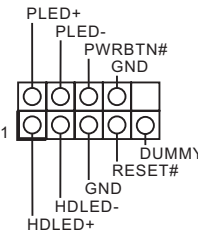
22 : ATX/AT mode Selection

- 1-2: AT mode
- 2-3: ATX mode

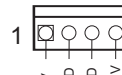


23 : CFast Card Socket

24 : System Panel Header



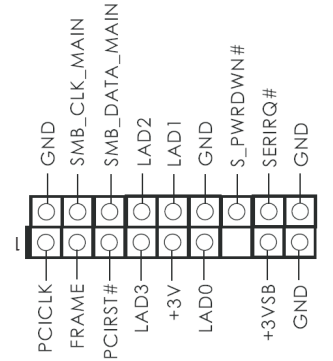
- 25 : SATA Power Connector 2
- 26 : SATA Power Connector 1



27,28 : SATA2 Connectors

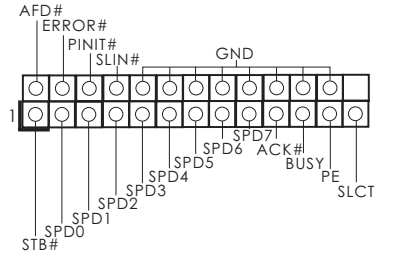
29,30 : SATA3 Connectors

31 : TPM Header



32 : Intel Q77 Chipset

33 : Printer Port Header

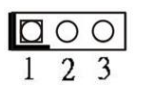


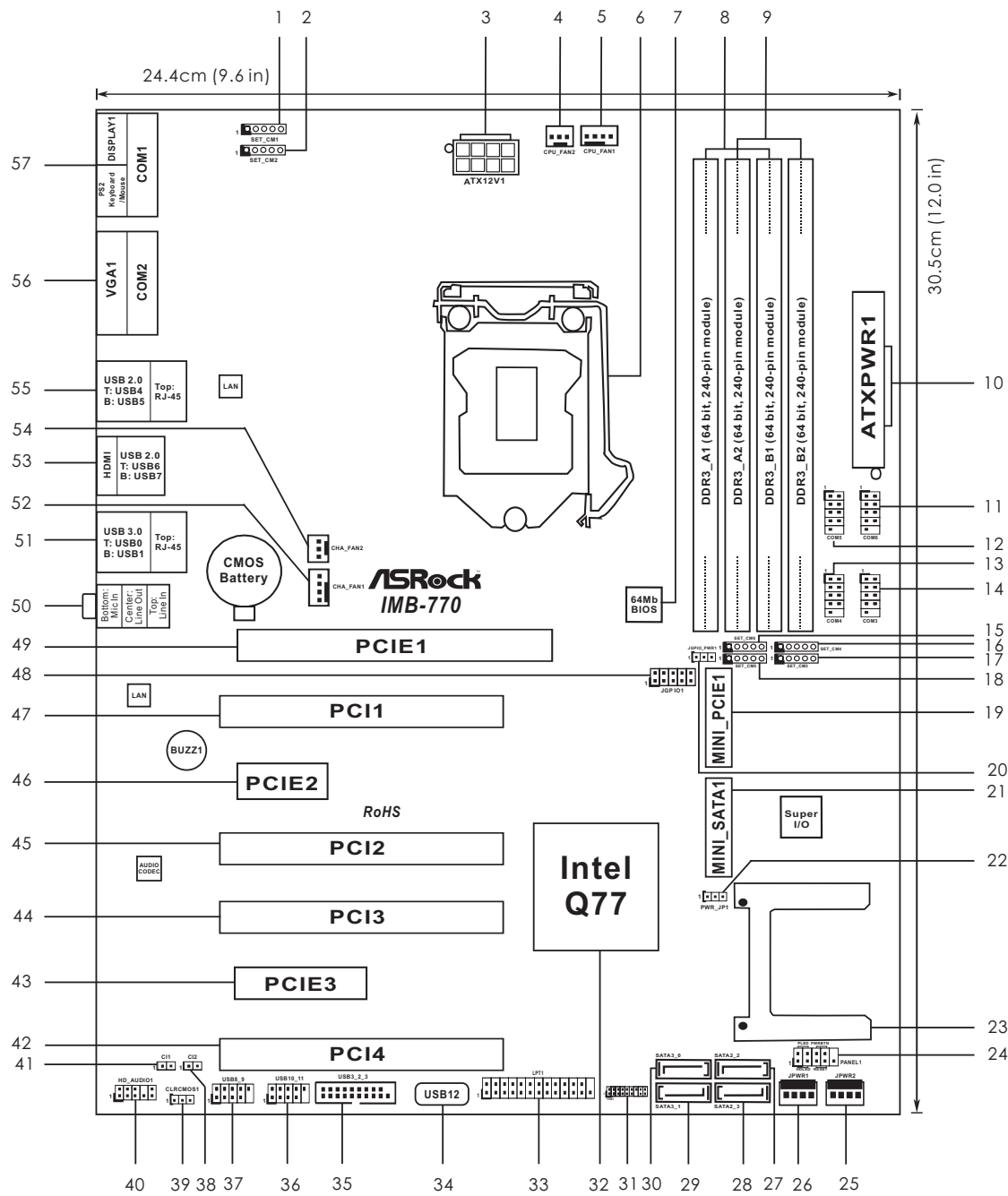
- 34 : USB2.0 Port (USB12)
- 35 : USB3.0 Header (USB3_2_3)
- 36 : USB2.0 Header (USB10_11)
- 37 : USB2.0 Header (USB8_9)

- 38 : Chassis Intrusion Header 2
- 41 : Chassis Intrusion Header 1

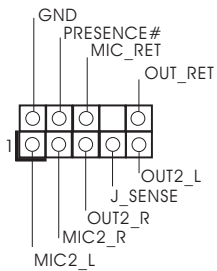


- 39 : Clear CMOS Header
- 1-2: Normal
- 2-3: Clear CMOS





40 : Front Panel Audio Header



54 : 3-Pin Chassis FAN Connector (+12V)

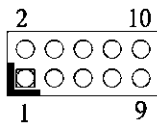
55 : Top : RJ45 LAN Port 1
Bottom : USB2.0 (USB45)

56 : Top : COM2*
Bottom : VGA1

57 : Top : COM1*
Bottom left: Display1
Bottom right: PS/2 Keyboard/Mouse

42,44,45,47 : PCI Slots
43,46,49 : PCI Express Slots

48 : Digital Input / Output
Pin Header



* This motherboard supports RS232/422/485 on COM1, 2 ports.
Please refer to below table for the pin definition. In addition, COM1, 2 ports (RS232/422/485) can be adjusted in BIOS setup utility > Advanced Screen > Super IO Configuration. You may refer to page 37 of our user manual for details.

PIN	Signal Name	PIN	Signal Name
1	SIO_GP24	2	SIO_GP20
3	SIO_GP25	4	SIO_GP21
5	SIO_GP26	6	SIO_GP22
7	SIO_GP27	8	SIO_GP23
9	JGPIO_PWR1	10	GND

COM1, 2 Port Pin Definition

PIN	RS232	RS422	RS485
1	DCD, Data Carrier Detect	TX-	RTX-
2	RXD, Receive Data	RX+	N/A
3	TXD, Transmit Data	TX+	RTX+
4	DTR, Data Terminal Ready	RX-	N/A
5	GND	GND	GND
6	DSR, Data Set Ready	N/A	N/A
7	RTS, Request To Send	N/A	N/A
8	CTS, Clear To Send	N/A	N/A
9	No Power/5V/12V	N/A	N/A

50 : Audio Jacks
Blue - Line In
Green - Line Out
Pink - Mic In

51 : Top : RJ45 LAN Port 2
Bottom : USB3.0 (USB3_01)

52 : 4-Pin Chassis FAN Connector (+12V)

53 : Top : USB2.0 (USB67)
Bottom : HDMI