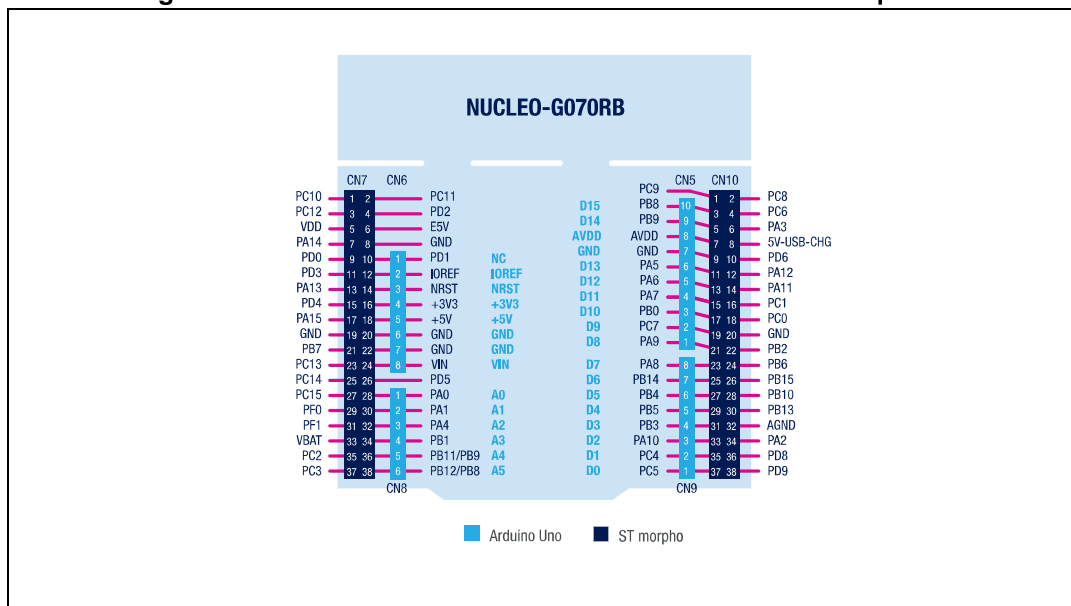


The related pinout for ARDUINO® connector is shown in [Figure 15](#) and [Figure Note](#): and listed in [Table 12](#).

**Figure 15. STM32 Nucleo-64 boards ARDUINO® connector pinout**



*Note:* ARDUINO® Uno V3 D0 and D1 signals are connected by default on USART1 (MCU I/O PC4 and PC5).

**Table 12. ARDUINO® connector pinout**

Connector	Pin number	Pin name	Signal name	STM32 pin	Function
CN6	1	NC	-	-	Reserved for test
	2	IOREF	-	-	I/O reference
	3	NRST	NRST	NRST	RESET
	4	3V3	-	-	3.3 V input/output
	5	5V	-	-	5 V output
	6	GND	-	-	GND
	7	GND	-	-	GND
	8	VIN	-	-	7 V to 12 V power input
CN8	1	A0	ADC	PA0	ARD_A0_IN0
	2	A1	ADC	PA1	ARD_A1_IN1
	3	A2	ADC	PA4	ARD_A2_IN4
	4	A3	ADC	PB1	ARD_A3_IN9
	5	A4	ADC	PB9 or PB11	ARD_A4_IN15   I2C_1_SCL
	6	A5	ADC	PB8 or PB12	ARD_A5_IN16   I2C_1_SDA