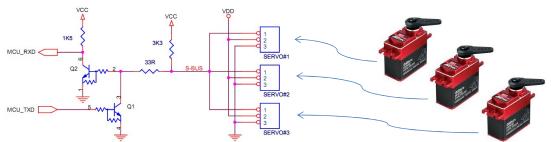
*Communication Parameter: Baud rate - 115,200bps, stop bit - 1, parity - none

*Interface Circuit Diagram:



**Q1 must be off to receive data from the servo

1. Packet Format

- * Data format Little Endian
- * Check Sum = (ID + Address + REG Length + Data_L + Data_H)%256

A. Normal Write

* Data write to SERVO

WRITE	ID	Address	REG	DATA	DATA	CHECK
HEADER			LENGTH	Low	High	SUM
0x96	0xXX	0xXX	0x02	0xXX	0xXX	0xXX

B. Normal Read

1) Data write to SERVO

WRITE	ID	Address	REG	CHECK
HEADER	ID	Address	LENGTH	SUM
0x96	0xXX	0xXX	0x00	0xXX

2) Response from SERVO

RETURN	ID	Address	REG	DATA	DATA	CHECK
HEADER	טו	Address	LENGTH	Low	High	SUM
0x69	0xXX	0xXX	0x02	0xXX	0xXX	0xXX

2. Example

A. Move to Neutral(PWM 1500us) Position(Position Data: 3000)

1) Data write to SERVO

., Data min	0 10 020					
0x96	00	1E	02	В8	0a	E2

^{*}No response from servo

B. Current Position Read

1) Data write to SERVO

|--|

2) TXD disable for data receive(Please refer to Interface circuit diagram)

3) Response from SERVO

|--|

^{*} Current Position is 0x0BB8

3. Address Table

Address		Name	length	R/W	Range	Feature
Status	0x0C	REG_POSITION	2	r		Position read
Status	0x12	REG_VOLTAGE	2	r		Input Voltage read
	0x1E	REG_POSITION_NEW	2	r/w	0~6000	New Position
	0x54	REG_VELOCITY_MAX	2	r/w	0~4095	Maximum Velocity
Action	0x56	REG_TORQUE_MAX	2	r/w	0~4096	Maximum Torque
Action	0x46	REG_POWER_CONFIG	2	w		SOFT RESET
	0x6E	REG_FACTORY_DEFAULT	2	w		Factory Default
	0x70	REG_CONFIG_SAVE	2	W		Save Config
	0x32	REG_ID	2	r/w	0~255	ID, 0 or 255 - Broadcast
	0x4C	REG_FAILSAFE_SET	2	r/w	900~2100	Failsafe position set
	0x4E	REG_DEADBAND	2	r/w	0~4095	<u> </u>
Config	0x60	REG_SOFT_START_SPEED	2	r/w	0~4097	Power On Soft start Speed
	0xB0	REG_POSITION_MAX	2	r/w	0~16383	Set Max position
	0xB2	REG_POSITION_MIN	2	r/w	0~16383	Set Min position
	0xC2	REG_POSITION_MID	2	r/w	0~16383	Set Mid position