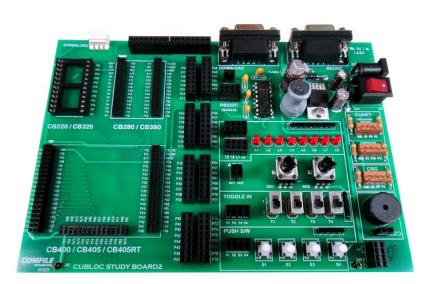
### Comfile Technology

www.ComfileTech.com

# Cubloc Study Board 2 User's Manual



### Introduction

This board was designed for evaluation and experimentation with Comfile Technology's Cubloc embedded controllers. Users will find many I/O controls (LEDs, push buttons, knobs, switches) and external connectors for interfacing with other peripherals and devices.

#### DOWNLOAD I P16 00 P17 00 P18 00 P19 00 P20 00 D P48 $\bigcirc$ 0 0 P49 0 0 P50 0 0 P51 0 0 752 RX TX ממממממם □□ P53 <u>RX TX</u> □□ P54 □□ □□ □□ P55 □□ □□ P21 00 00 P5: P23 🗆 🗆 RS232C (MAX232) 00 P5 00 P5 00 P58 LED OUT CB220 / CB320 CB280 / CB380 **Core Socket** L1 L2 L3 L4 T D D P63 5 L6 L7 L8 P32 0 P33 0 P34 0 P35 0 P36 0 P37 0 P38 0 P38 0 P39 0 P30 0 7 □ P64 1 □ P65 □ □ P66 □ □ P67 □ □ P68 □ □ P69 □ □ P70 □ □ P71 A/D IN 88 AD1 AD2 TOGGLE IN 000 P7 P40 00 P41 00 P42 00 P42 00 T1 T2 T3 T4 PUSH S/W CB400 / CB405A / CB405RTA 44 0 0 COMFILE S1 S2 S3 S4

**RS-232** Communication Port



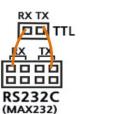
## Specification

ItemDescriptionInput Power Supply9 ~ 12 VDCSupported Cubloc Core ModulesCB220 / CB320, CB280 / CB380, CB400 / CB405 / CB405RT CB290 is not supportedCommunication PortsRS232 (Ch0 - Download, Ch1 - Communication)I/O ControlsLED DISPLAY, AD VOLUE, TOGGLE SW, PUSH SW, PIEZOExternal ConnectionsCLCD (Character LCD), CSG (7-Segment LED), UIF-5K		
Supported Cubloc Core Modules    CB220 / CB320, CB280 / CB380, CB400 / CB405 / CB405RT CB290 is not supported      Communication Ports    RS232 (Ch0 - Download, Ch1 - Communication)      I/O Controls    LED DISPLAY, AD VOLUE, TOGGLE SW, PUSH SW, PIEZO      External Connections    CLCD (Character LCD), CSG (7-Segment LED),	Item	Description
ModulesCB280 / CB380, CB400 / CB405 / CB405RT CB290 is not supportedCommunication PortsRS232 (Ch0 - Download, Ch1 - Communication)I/O ControlsLED DISPLAY, AD VOLUE, TOGGLE SW, PUSH SW, PIEZOExternal ConnectionsCLCD (Character LCD), CSG (7-Segment LED),	Input Power Supply	9 ~ 12 VDC
I/O Controls    LED DISPLAY, AD VOLUE, TOGGLE SW, PUSH SW, PIEZO      External Connections    CLCD (Character LCD), CSG (7-Segment LED),		CB280 / CB380, CB400 / CB405 / CB405RT
PUSH SW, PIEZO        External Connections      CLCD (Character LCD), CSG (7-Segment LED),	Communication Ports	RS232 (Ch0 – Download, Ch1 - Communication)
	I/O Controls	
	External Connections	

A Cubloc Module is required to use this board, but only one should be used at a time.



CB220,320 P10 -> RX P11 -> TX



RX IX

RS232C

(MAX232)

P14 P14 P15 P15

RX TX 

RS232C (MAX232)

P40 🗆 🗆 P41 🗖 🗖

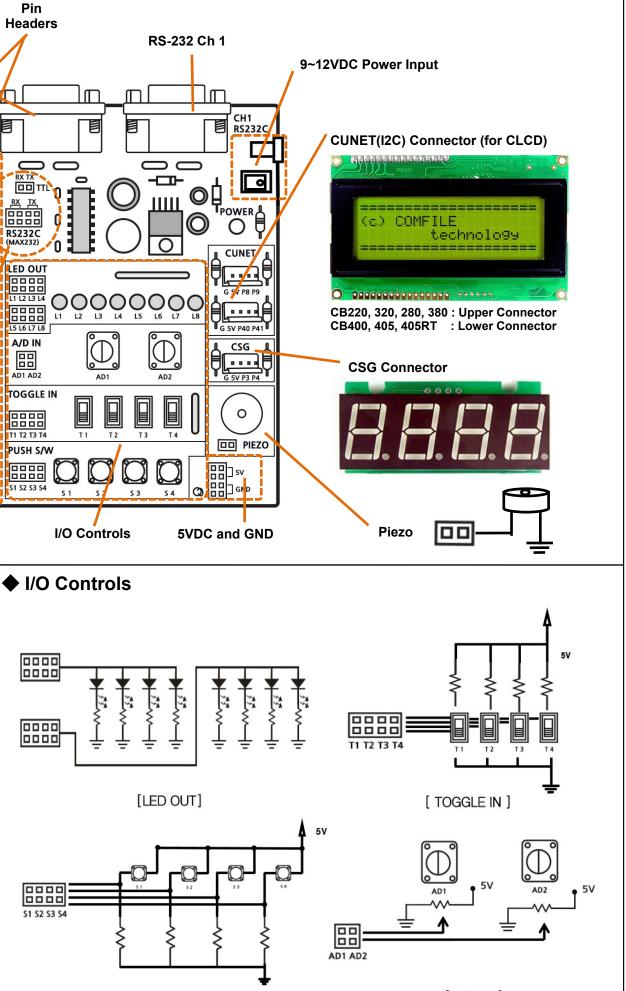
P42 0

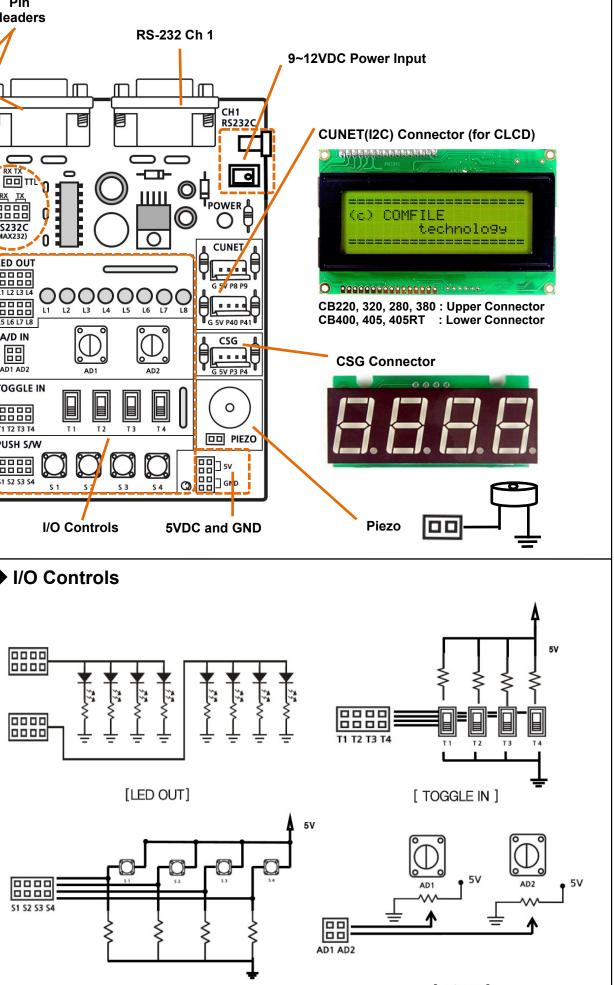
P43 C1

CB280.380 TTL RX -> RX TTL TX -> TX



CB400,405,405RT P42 -> RX P43 -> TX





[ PUSH S/W ]

### Physical Connections

**Download Port** 

Use only one

(molex 3pin, D\_Sub 9pin)

[ A/D IN ]