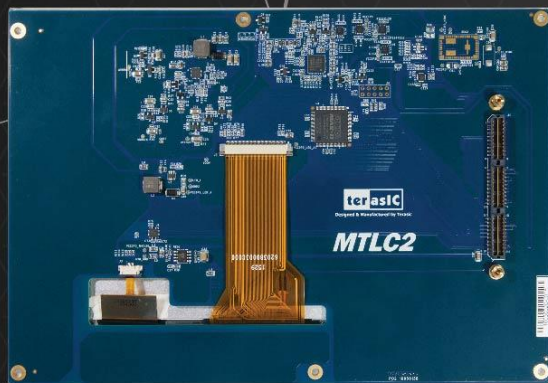


# ***VEEK-MT2-C5SoC Upgrade Kit***



## **Assembly Guide**



# TABLE OF CONTENTS

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## 1. INTRODUCTION 1

1.1. PURPOSE.....	1
1.2. ACCESSORIES FROM THE PACKAGE.....	1
1.3. REQUIREMENT OF ITEM SELF-SUPPLIED.....	2

## 2. DISASSEMBLE ORIGINAL C5SOC 3

2.1. UNLOAD SCREWS OF C5SoC.....	3
2.2. STANDOFFS AND SCREWS UNLOADED.....	3

## 3. ASSEMBLE C5SOC 4

3.1. INSTALL STANDOFFS.....	4
3.2. INSTALLATION OF MTLC2 WITH HSMC CABLE.....	4
3.3. INSTALLATION OF STANDOFFS AND SCREWS TO C5SoC.....	5
3.4. CONNECT C5SoC AND MTLC2.....	6

## 4. COMPLETION 8

# 1. Introduction



## 1.1. Purpose

This document shows how to assemble Altera Cyclone V SoC dev. kit (C5SoC) and **VEEK-MT2-C5SoC Upgrade Kit** into **VEEK-MT2- C5SoC**.



The assembly procedures and list of accessories required to complete the task are covered.

## 1.2. Accessories from the Package

Item	Name	Picture	Quantity
A	MTLC2 Display Module		1
B	VEEK-MT2-C5SoC Acrylics		1
C	5mm M-F Standoff		2
D	HSMC Cable		1
E	30mm M-F Standoff		5
F	19mm M-F Standoff		5
G	5mm F-F Standoff		2
H	8mm Screw		11

I	4mm Screw		6
J	M3 Thread Hex Nut		5

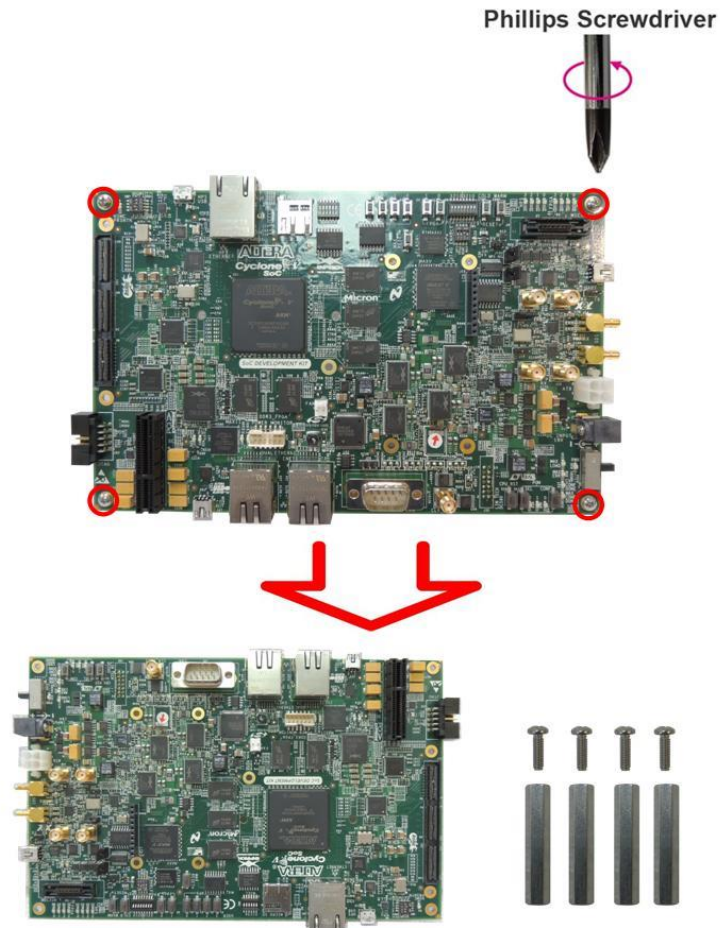
### 1.3. Requirement of Item Self-supplied

Item	Name	Picture	Quantity
A	C5SoC		1
B	Phillips Screwdriver	Recommend Spec.:PH#2(6mm)	1
C	Hex Socket Wrench	Recommend Spec: 5.0mm 	1

## 2. Disassemble Original C5SoC

### 2.1. Unload Screws of C5SoC

Use a Phillips screwdriver to unload the four screws on the corners of C5SoC in anticlockwise direction.



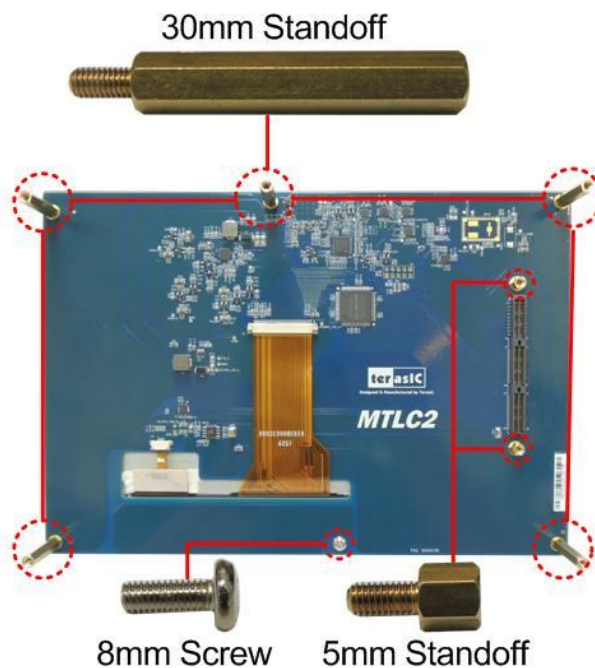
### 2.2. Standoffs and Screws Unloaded

They are not required for further use. Please put them away.

### 3. Assemble C5SoC

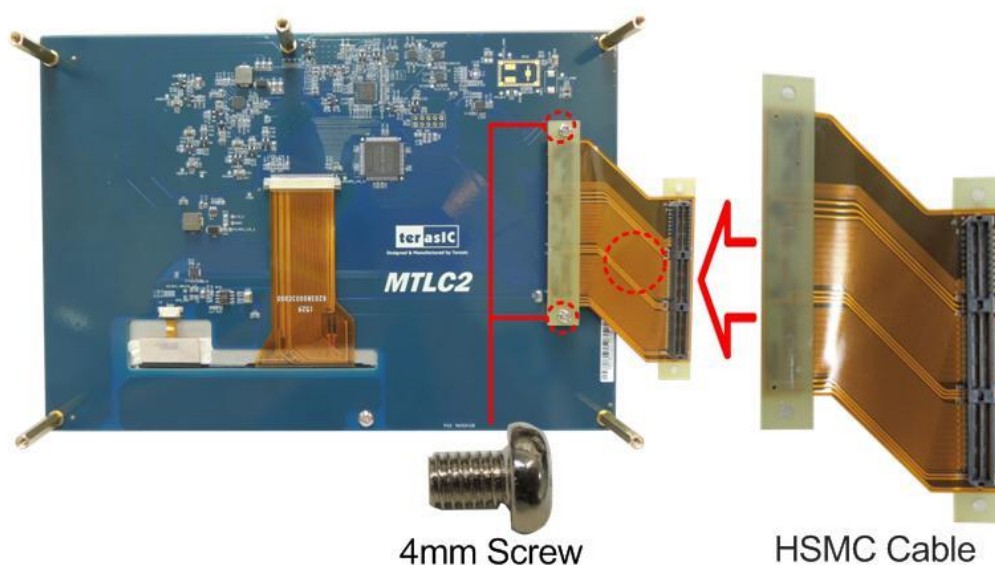
#### 3.1. Install Standoffs

Install **Item E**(30mm M-F Standoff )x5 / **Item C**(5mm M-F Standoff)x2 / **Item H**(8mm Screw) x1 onto the C5SoC with a hex socket wrench.



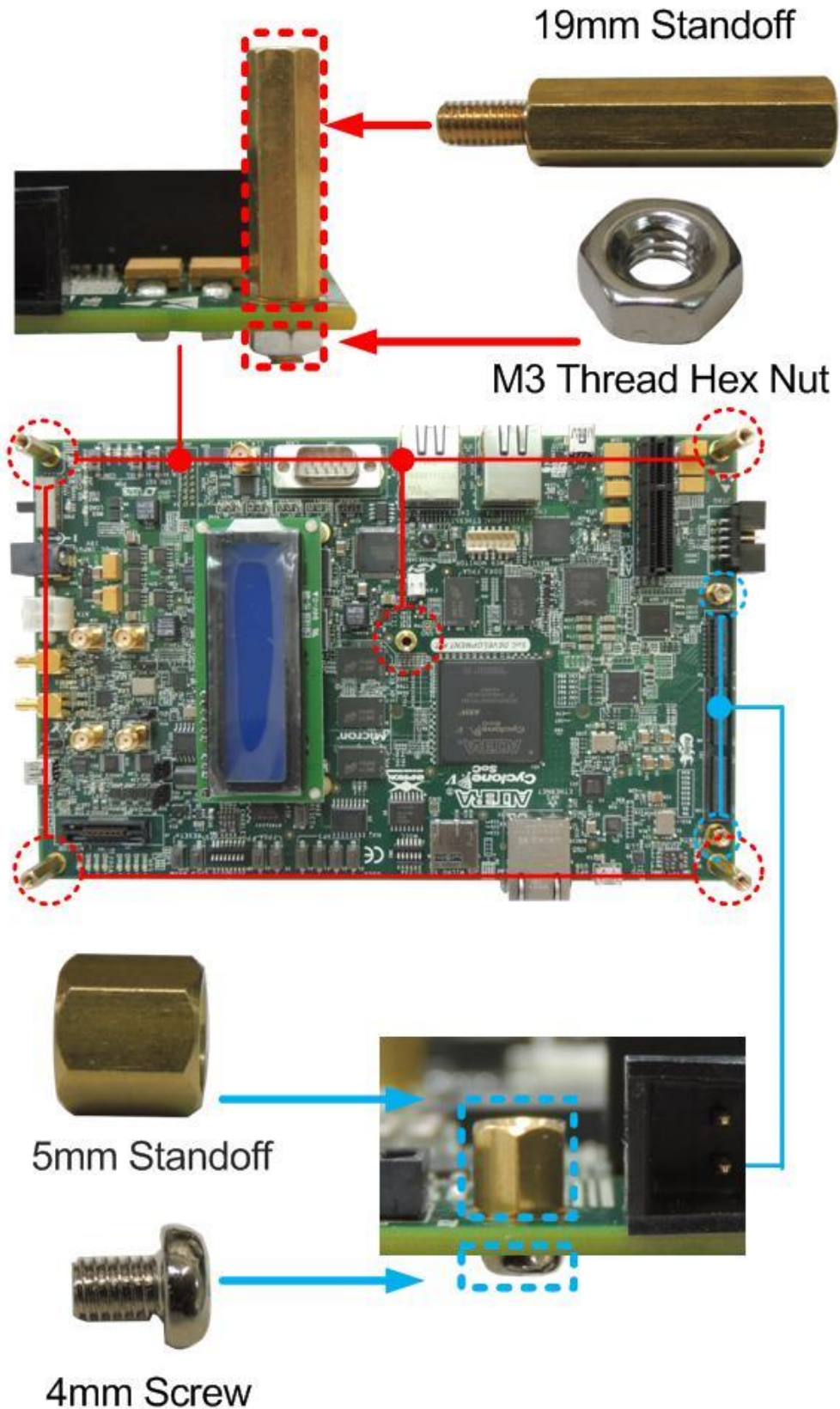
#### 3.2. Installation of MTLC2 with HSMC Cable

Please install the **Item D**(HSMC cable) with MTLC2 and make sure the connection is secured with **Item I**(4mm Screw)x2 and Phillips screwdriver.



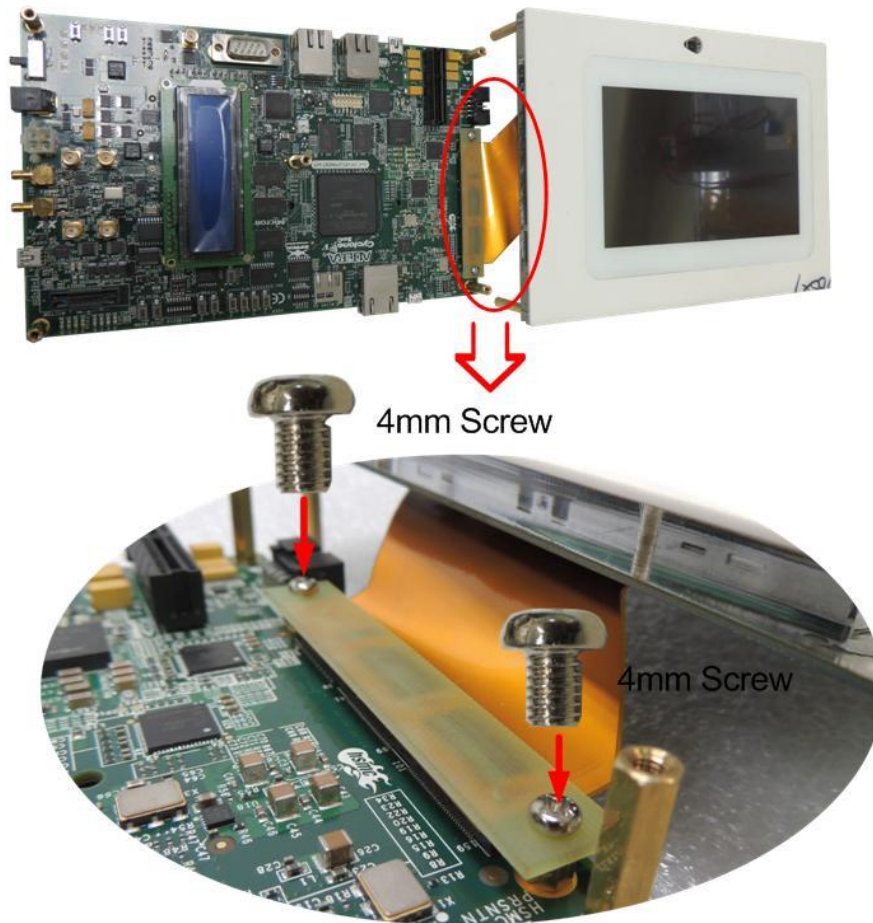
### 3.3. Installation of Standoffs and Screws to C5SoC

Install **Item F**(19mm M-F Standoff)x5 + **Item J**(M3 Thread Hex Nut )x5 / **Item G**(5mm F-F Standoff )x2 + **Item I**(4mm Screw )x2 onto the C5SoC with a hex socket wrench and Phillips screwdriver

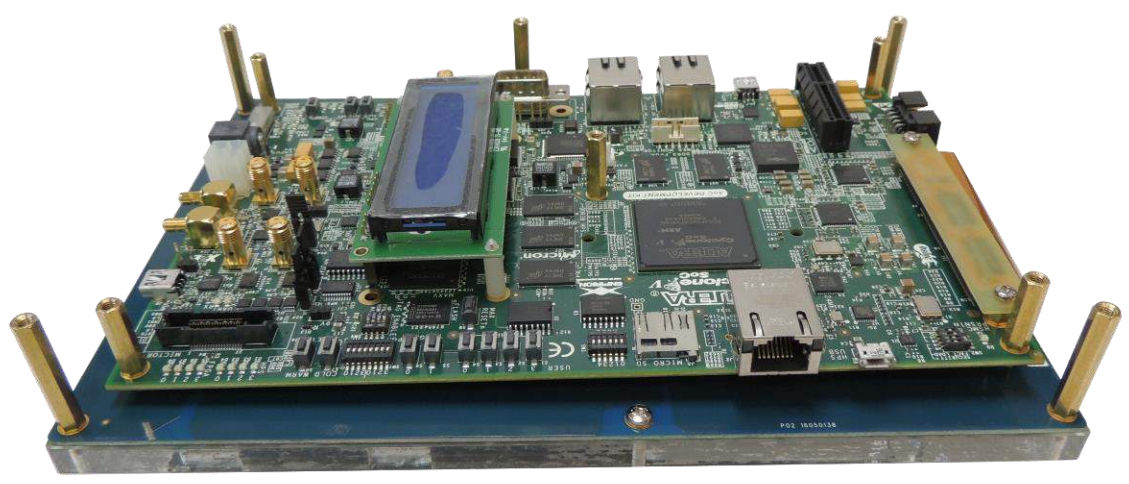


### 3.4. Connect C5SoC and MTLG2

Connect C5SoC and MTLG2 via the other end of HSMC cable. The connection can be tightened with **Item I(4mm Screw)x2** using Phillips screwdriver.

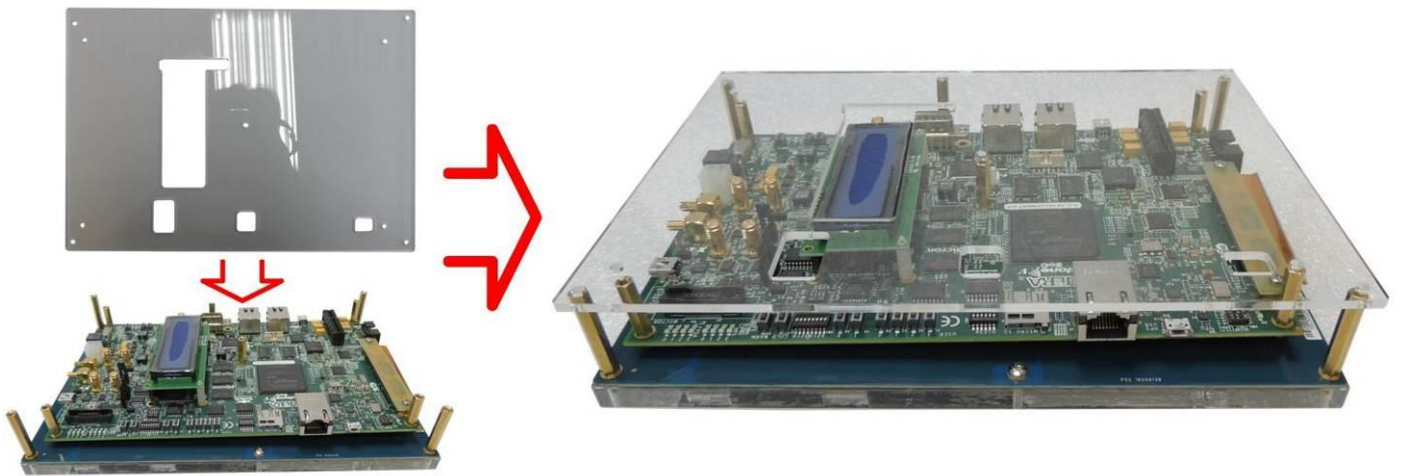


After the assembly is complete, please place the C5SoC and MTLG2 bac-to-back, as shown below.





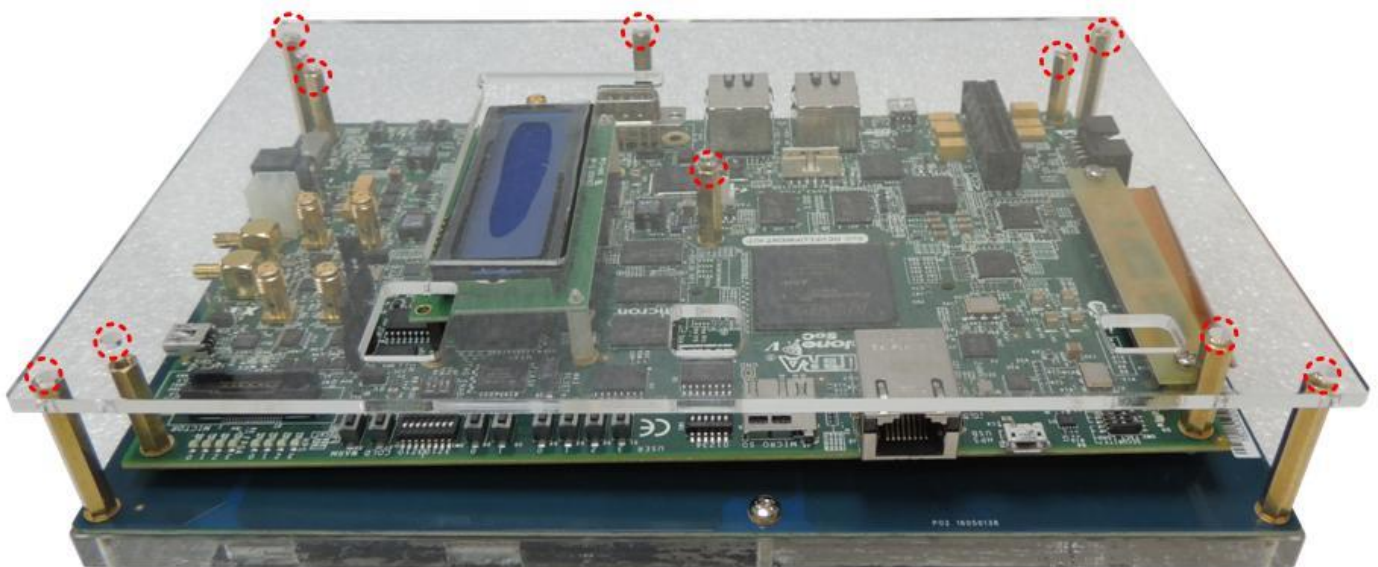
Place **Item B**(VEEK-MT2-C5SoC Acrylics) on top of the C5SoC according, as shown below.



Screw **Item H**(8mm Screw) x10 on top of **Item E**(30mm M-F Standoff), as shown below.



8mm Screw



## 4. Completion

