

VEEK-MT2-C5SoC Upgrade Kit



Assembly Guide

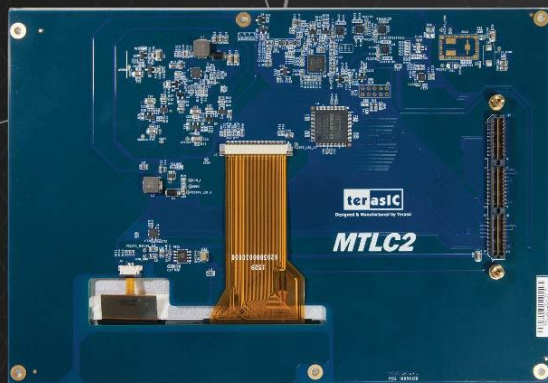


TABLE OF CONTENTS

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



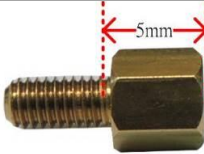
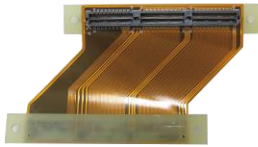
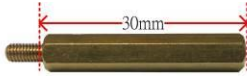
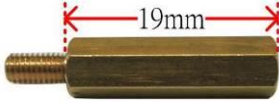
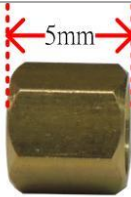
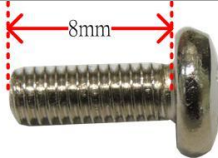
1. Introduction



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

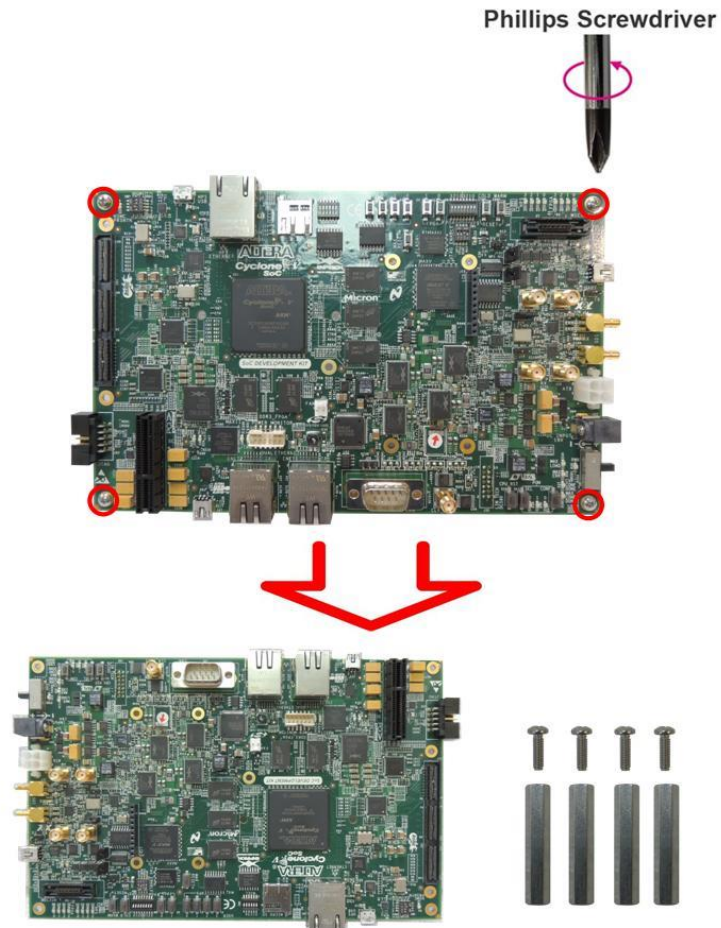
1.3. Requirement of Item Self-supplied

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.



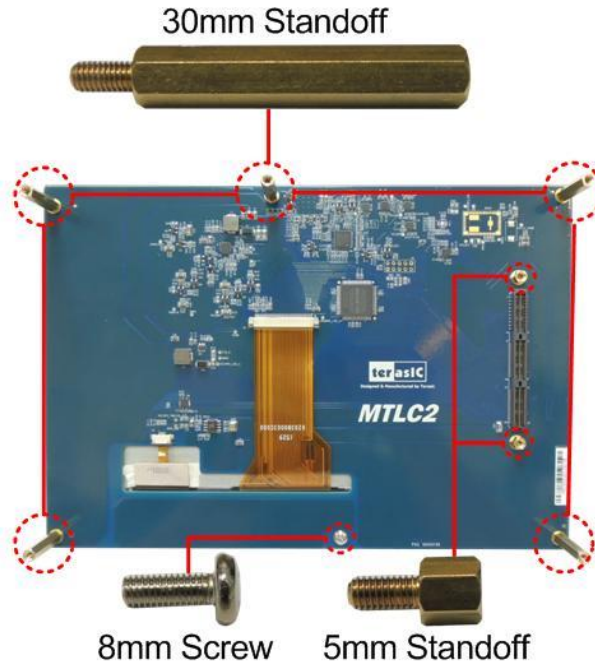
2.2. Standoffs and Screws Unloaded

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

3. Assemble C5SoC

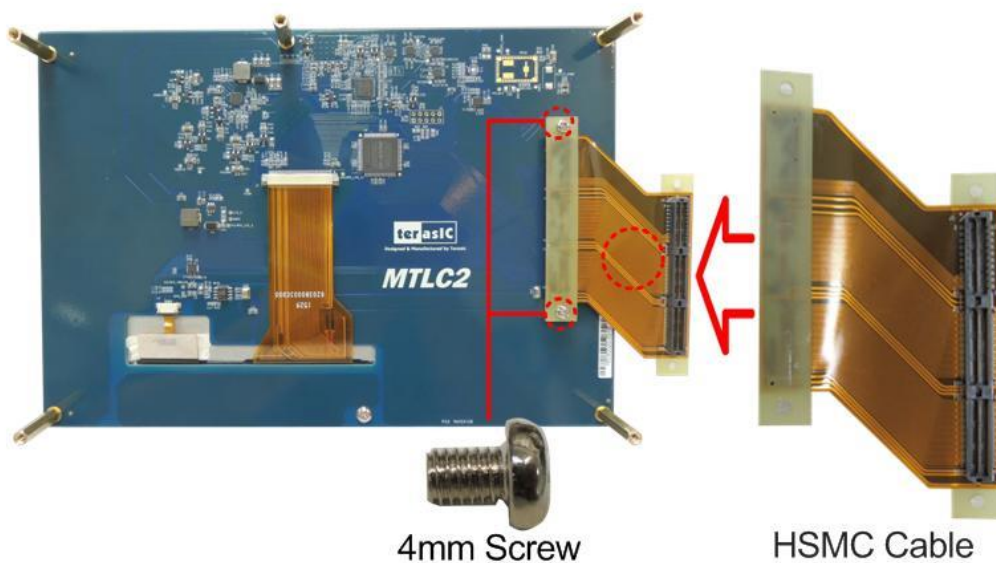
3.1. Install Standoffs

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.



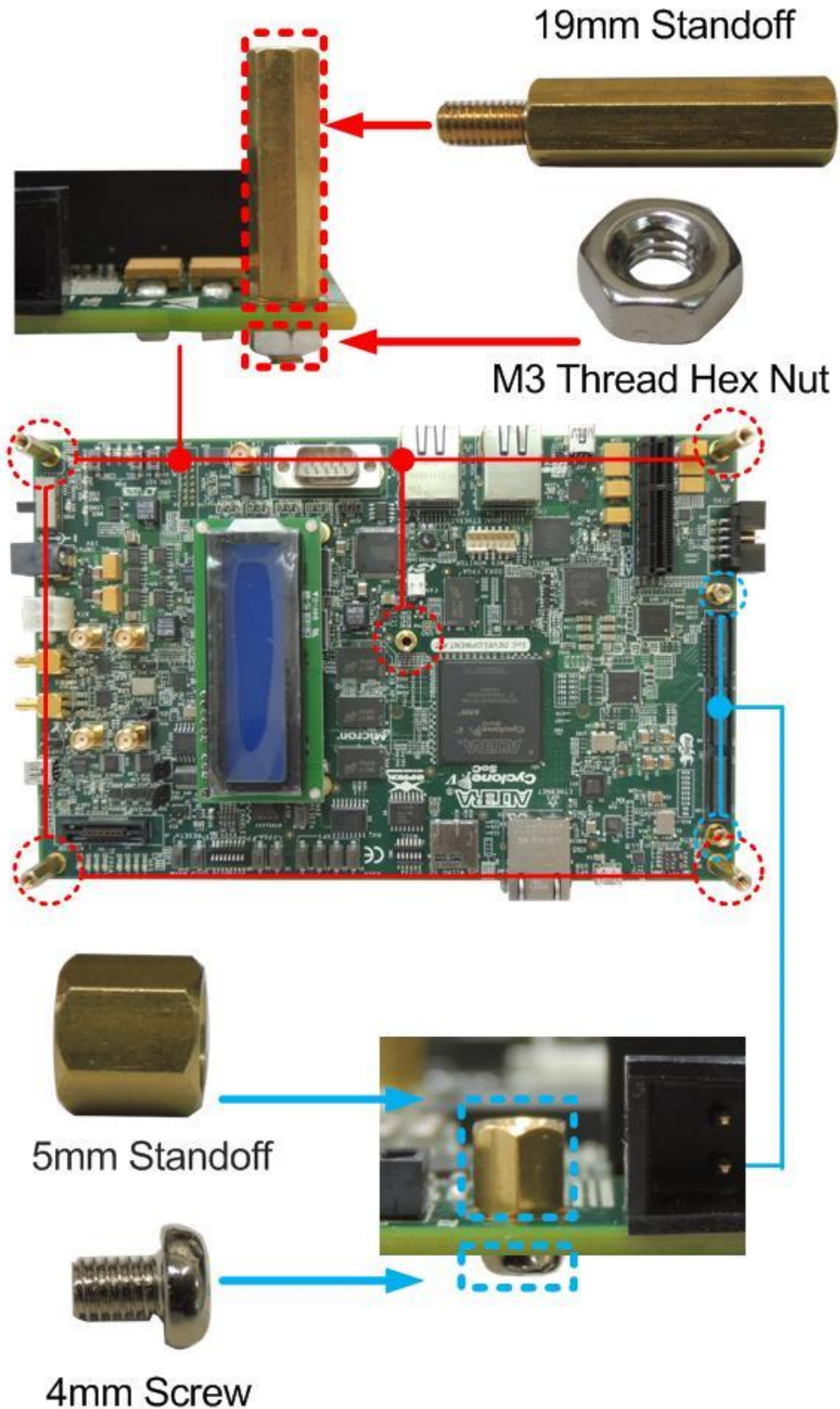
3.2. Installation of MTLC2 with HSMC Cable

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.



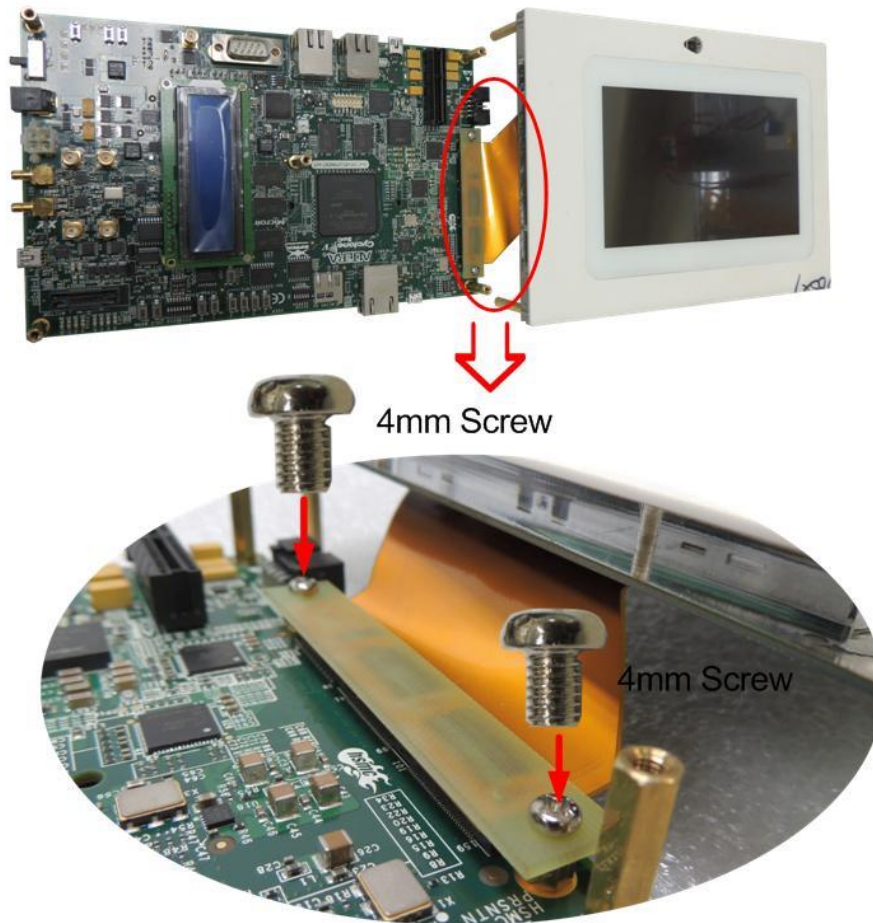
3.3. Installation of Standoffs and Screws to C5SoC

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

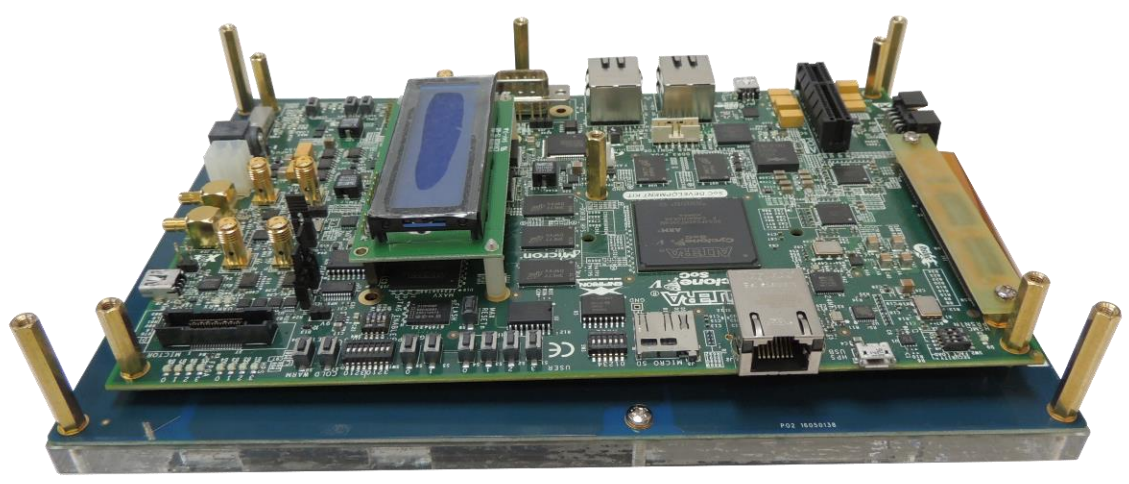


3.4. Connect C5SoC and MTLC2

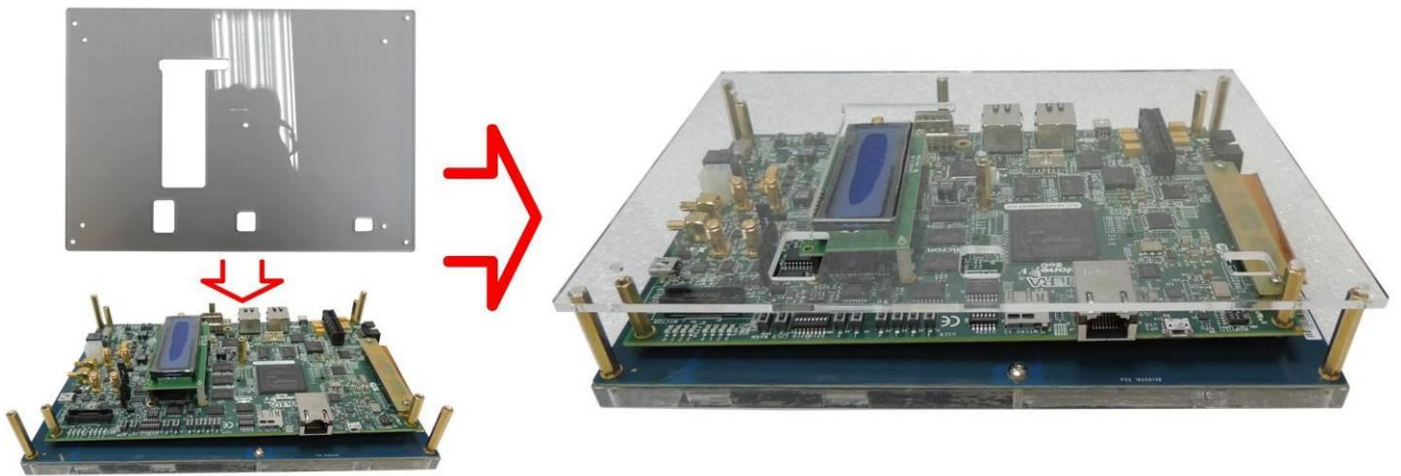
Connect C5SoC and MTLC2 via the other end of HSMC cable. The connection can be tightened with **Item I(4mm Screw)x2** using Phillips screwdriver.



After the assembly is complete, please place the C5SoC and MTLC2 bac-to-back, as shown below.



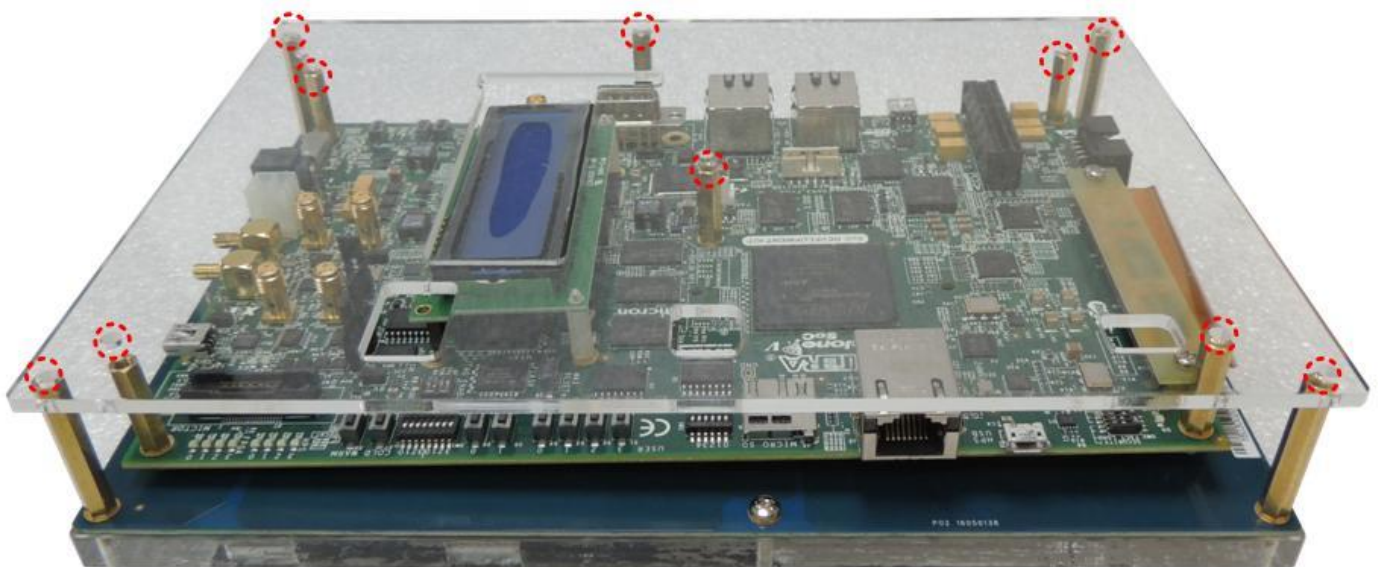
Place **Item B**(VEEK-MT2-C5SoC Acrylics) on top of the C5SoC according, as shown below.



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



8mm Screw



4. Completion

