

Description of the FMCs and Corresponding Cable for the  
2CBC2 and 8CBC2  
version 0.01

Fionn Ball

f.ball@cern.ch

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## 1 Introduction

This document will briefly describe the various iterations of the FMCs and firmware needed for the test stand. There are two versions of the FMC for the 2CBC2 and both will work, however they require a different firmware and cable. The correct cable should have been provided with the FMC. There is only one version of the 8CBC2 FMC which uses a different connector to the 2CBC2.

## 2 Old 2CBC2 FMC

Uses `firmware/OLD_glib_be.bit`. See Fig.1 and Fig.2.

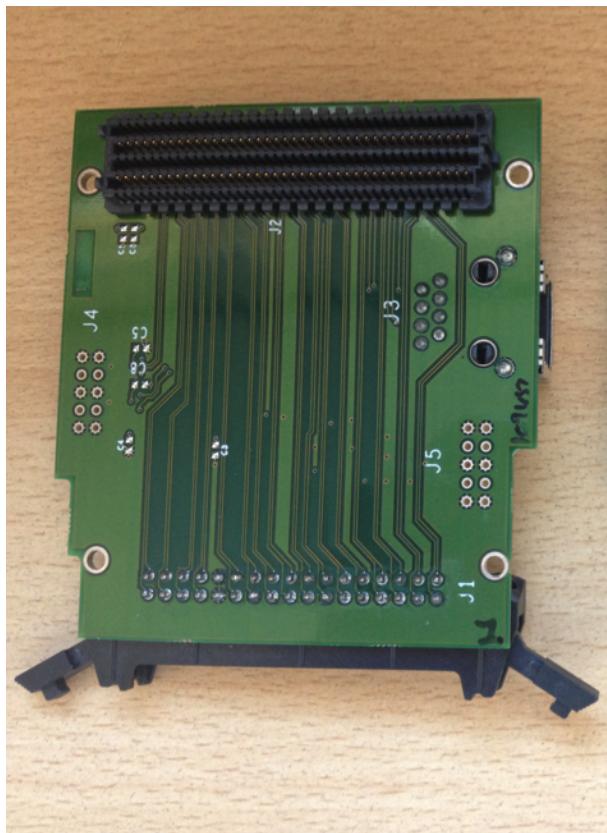


Figure 1: Old FMC. Notice connectors are on opposing sides.



Figure 2: Old cable. Cable is as standard.

### 3 New 2CBC2 FMC

Uses `firmware/NEW_glib_be.bit`. See Fig.3 and Fig.4.

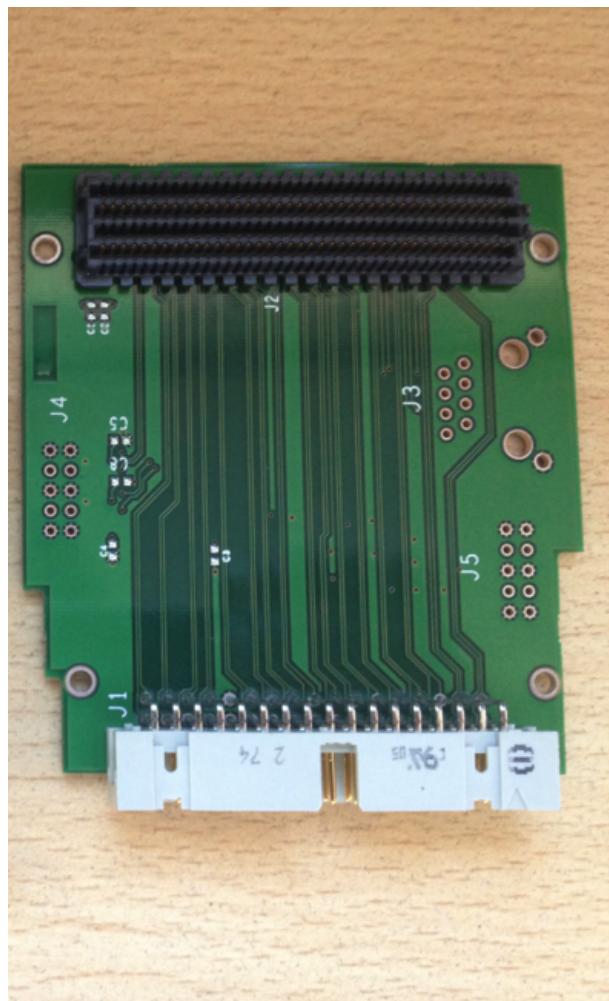


Figure 3: New FMC. Notice connectors are on same side.

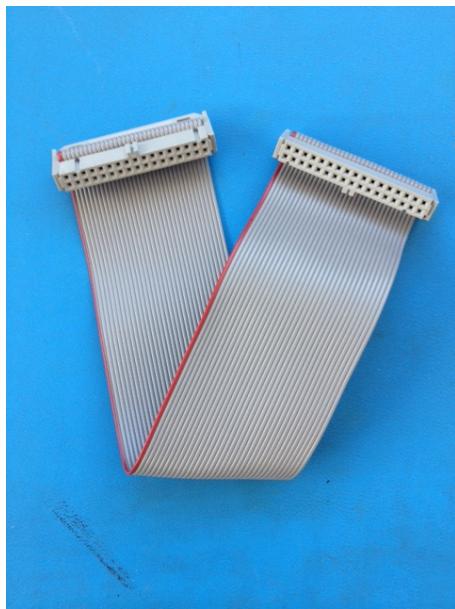


Figure 4: New cable. Notice end connectors are flipped.

## 4 8CBC2 FMC

Uses `firmware/EightChip_glib_be.bit`. See Fig.5.

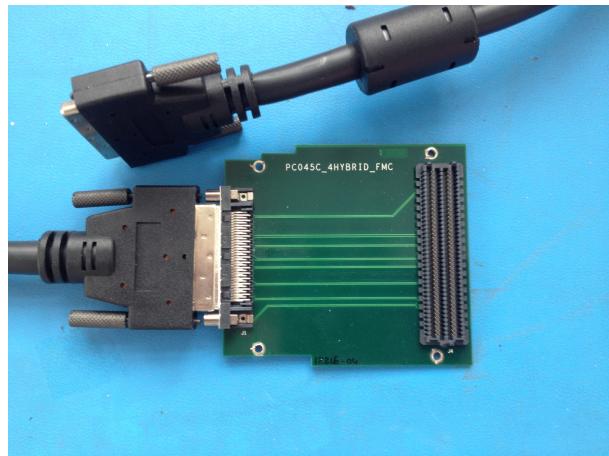


Figure 5: FMC and VHDCI cable for the 8CBC2.