

DDR-QDR – RAM Board

Data Sheet

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History:

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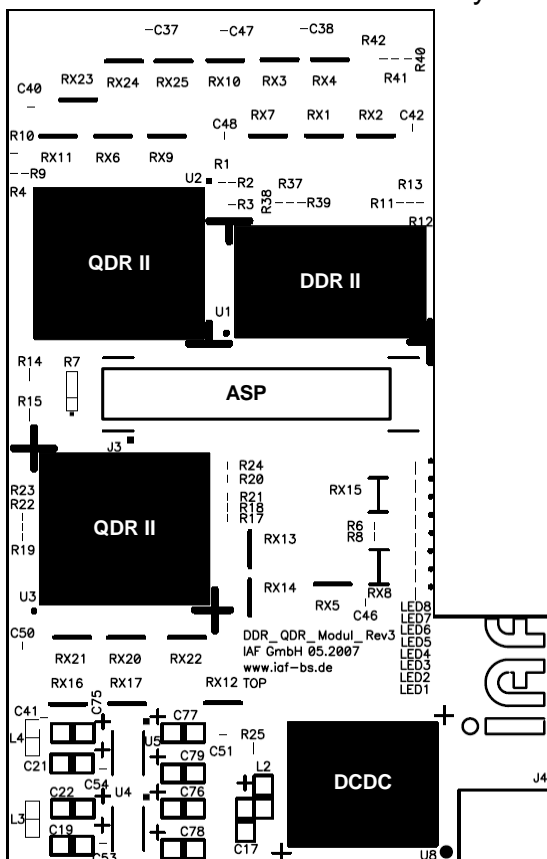
1 Introduction

The DDR-QDR-Module is designed as an addon to the V4-FX60 resp. V4-FX100 Board. It contains one DDR-RAM device and 2 independent QDRII devices. It is equipped with an Samtec ASP-65067-01 Connector for debugging with Agilent Logic Analyzer and 8 LEDs. 5V Power Supply is needed.

2 Hardware Description

Key components are:

- Samsung K7R641882M-EC25 à 36Mbit QDRII devices /1/
- 1 MT47H64M16 – 8 Meg x 16 x 8 banks DDRII device /2/
- 1 Samtec BSH Serie ASP-65067-01 /3/
- 2 Samtec QTH-060-01-F-D-A /4/
- 8 programmable LEDs
- 5V DCDC Converter Vishay FX5545G108ADJE2 /5/



picture 1: top view

3 References

- /1/ Datasheet: Samsung 2Mx36-bit, 4Mx18-bit, 8Mx9-bit QDRTM II b2 SRAM
- /2/ Datasheet: Micron 1Gb: x4, x8, x16 DDR2 SDRAM
- /3/ Datasheet: Samtec BSH Series
- /4/ Datasheet: Samtec QTH Series
- /5/ Datasheet: Vishay FX5545G108