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MTCA.4 Based Reference and Clock Distribution Module for the European XFEL

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The reference and clock distribution module for the European XFEL is an MTCA.4 based, double-full size, full width module located in Slot 15 on the rear side of a standard MTCA.4 crate. The module makes use of the RF backplane connectivity and delivers 22 differential LVPECL clocks in the range from 10 MHz up to 250 MHz. The LO frequency range spans from 700 MHz up to 6 GHz and is distributed over the RF backplane to 9 slots (4-12).

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