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MB1230



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A quality version of this page, approved on *15 June 2020*, was based off this revision.

MB1230 board overview.

## 1 Board overview

MB1230 DSI 720p display, revision C-01: part of the STM32MP157x-EV1 Evaluation board .





## 2 Links

MB1230 schematics

Display Serial Interface (MIPI® Alliance standard)

Stable: 17.11.2020 - 17:06 / Revision: 10.11.2020 - 07:49

A quality version of this page, approved on 17 November 2020, was based off this revision.

All the resources for the STM32MP1 Series are located in the Resources area of the STM32MP1 Series web page.



The resources below are referenced in some of the articles of this user guide.

### Information








The different **STM32MP15** microprocessor **part numbers** available (with their corresponding internal peripherals, security options and packages) are described in the [STM32MP15 microprocessor part numbers](#).

**NEW**


means that the document (or its version) is new compared to what was delivered within the previous ecosystem release.

Reference	Name	Link	Version
<b>Application notes</b>			
AN4803	High-speed SI simulations using IBIS and board-level simulations using HyperLynx® SI on STM32 MCUs and MPUs	<a href="#">AN4803.pdf</a>	v2.0
AN5027	Interfacing PDM digital microphones using STM32 MCUs and MPUs	<a href="#">AN5027.pdf</a>	v2.0
AN5031	Getting started with STM32MP15 Series hardware development	<a href="#">AN5031.pdf</a>	v2.0
AN5036	Thermal management guidelines for STM32 applications	<a href="#">AN5036.pdf</a>	v3.0
AN5109	STM32MP1 Series using low-power modes	<a href="#">AN5109.pdf</a>	 v4.0
AN5122	STM32MP1 Series DDR memory routing guidelines	<a href="#">AN5122.pdf</a>	v3.0
AN5168	STM32MP1 series DDR configuration	<a href="#">AN5168.pdf</a>	v1.0
AN5225	USB Type-C™ Power Delivery using STM32xx Series MCUs and STM32xxx Series MPUs	<a href="#">AN5225.pdf</a>	 v3.0






Reference	Name	Link	Version
<b>Application notes</b>			
AN5253	Migration of microcontroller applications from STM32F4x9 lines to STM32MP151, STM32MP153 and STM32MP157 lines microprocessor	<a href="#">AN5253.pdf</a>	v1.0
AN5256	STM32MP151, STM32MP153 and STM32MP157 discrete power supply hardware integration	<a href="#">AN5256.pdf</a>	v2.0
AN5260	STM32MP151/153/157 MPU lines and STPMIC1B integration on a battery powered application	<a href="#">AN5260.pdf</a>	v1.0
AN5275	USB DFU/USART protocols used in STM32MP1 Series bootloaders	<a href="#">AN5275.pdf</a>	v1.0
AN5284	STM32MP1 series system power consumption	<a href="#">AN5284.pdf</a>	v1.0
AN5348	FDCAN peripheral on STM32 devices	<a href="#">AN5348.pdf</a>	v1.0
AN5431	The STPMIC1 PCB layout guidelines	<a href="#">AN5431.pdf</a>	v1.0
AN5438	STM32MP1 Series lifetime estimates	<a href="#">AN5438.pdf</a>	v1.0
AN5510	Overview of the secure secret provisioning (SSP) on STM32MP1 Series	<a href="#">AN5510.pdf</a>	v1.0
<b>Datasheets<sup>[1]</sup></b>			
DS12505	STM32MP157C/F datasheet (secure)	<a href="#">DS12505.pdf</a>	 v4.0
DS12504	STM32MP157A/D datasheet (basic)	<a href="#">DS12504.pdf</a>	 v4.0
DS12503	STM32MP153C/F datasheet (secure)	<a href="#">DS12503.pdf</a>	 v4.0
DS12502	STM32MP153A/D datasheet (basic)	<a href="#">DS12502.pdf</a>	 v4.0
DS12501	STM32MP151C/F datasheet (secure)	<a href="#">DS12501.pdf</a>	 v4.0
DS12500	STM32MP151A/D datasheet (basic)	<a href="#">DS12500.pdf</a>	 v4.0
DS12792	STPMIC1 datasheet	<a href="#">stpmic1.pdf</a>	 v5.0
<b>Errata sheets</b>		<a href="#">ES043</a>	



Reference	Name	Link	Version
<b>Application notes</b>			
ES0438	STM32MP15xx device errata	8.pdf	v5.0
<b>Reference manuals<sup>[1]</sup></b>			
RM0436	STM32MP157 reference manual (STM32MP157xxx advanced Arm <sup>®</sup> -based 32-bit MPUs)	RM04 36.pdf	v4.0
RM0442	STM32MP153 reference manual (STM32MP153xxx advanced Arm <sup>®</sup> -based 32-bit MPUs)	RM04 42.pdf	v4.0
RM0441	STM32MP151 reference manual (STM32MP151xxx advanced Arm <sup>®</sup> -based 32-bit MPUs)	RM04 41.pdf	v4.0
<b>Boards schematics</b>			
MB1262 schematics	STM32MP157C-EV1 motherboard schematics MB1262-C01 board schematic (Evaluation board)	MB126 2-C01. pdf	v1.0
MB1263 schematics	STM32MP157C-EV1 daughterboard schematics MB1263-C01 board schematic (Evaluation board)	MB126 3-C01. pdf	v1.0
 MB1263 schematics	STM32MP157F-EV1 daughterboard schematics MB1263-C04 board schematic (Evaluation board)	MB126 3-C04. pdf	v4.0
MB1230 schematics	DSI 720p LCD display daughterboard schematics MB1230-C board schematic (Evaluation board)	MB123 0-C. pdf	v1.1
MB1379 schematics	Camera daughterboard schematics MB1379-A01 board schematic (Evaluation board)	MB137 9-A01. pdf	v1.0
MB1272 schematics	STM32MP157x-DKx motherboard schematics MB1272-DK2-C01 board schematic (Discovery kit)	MB127 2-C01. pdf	v1.0
MB1407 schematics	STM32MP157x-DKx daughterboard schematics MB1407-LCD-C01 board schematic (Discovery kit)	MB140 7-C01. pdf	v1.0
<b>Boards user manuals</b>			
UM2535	STM32MP157x-EV1 evaluation board user manual	UM25 35.pdf	v2.0
UM2534	STM32MP157x-DKx discovery board user manual	UM25 34.pdf	v1.0
<b>Tools user manuals</b>			
		UM25	



Reference	Name	Link	Version
<b>Application notes</b>			
UM2563	STM32CubeIDE installation guide	<a href="#">63.pdf</a>	v1.0
UM2579	Migration guide from System Workbench to STM32CubeIDE	<a href="#">UM2579.pdf</a>	v1.0
UM2553	STM32CubeIDE quick start guide	<a href="#">UM2553.pdf</a>	v1.0
AN5360	Getting started with projects based on the STM32MP1 Series in STM32CubeIDE	<a href="#">AN5360.pdf</a>	v1.0
UM2609	Description of the integrated development environment for STM32 products	<a href="#">UM2609.pdf</a>	v1.0
UM1718	STM32CubeMX user manual	<a href="#">UM1718.pdf</a>	 v32.0
UM2237	STM32CubeProgrammer tool user manual	<a href="#">UM2237.pdf</a>	 v12.0
UM2238	STM32 Trusted Package Creator tool user manual	<a href="#">UM2238.pdf</a>	 v7.0
UM2542	STM32 Series Key Generator tool user manual	<a href="#">UM2542.pdf</a>	v1.0
UM2543	STM32 Series Signing tool user manual	<a href="#">UM2543.pdf</a>	v1.0

- <sup>1.01.1</sup> The part numbers are specified in STM32MP15 microprocessor part numbers





## Archives

STM32MP15 release	ST documentation
STM32MP15-Ecosystem-v2.0.0	<a href="#">STM32MP15 resources - v2.0.0</a>
STM32MP15-Ecosystem-v1.2.0	<a href="#">STM32MP15 resources - v1.2.0</a> page for the v1 ecosystem releases (in archived wiki)
STM32MP15-Ecosystem-v1.1.0	<a href="#">STM32MP15 resources - v1.1.0</a> page for the v1 ecosystem releases (in archived wiki)
STM32MP15-Ecosystem-v1.0.0	<a href="#">STM32MP15 resources - v1.0.0</a> page for the v1 ecosystem releases (in archived wiki)

Doubledata rate (memory domain)

USB port or connector

Microprocessor Unit

Device Firmware Upgrade

Universal Synchronous/Asynchronous Receiver/Transmitter

Printed Circuit Board

Secure Secret Provisioning

Secure secrets provisioning

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Display Serial Interface (MIPI® Alliance standard)