

Unity X4*

MPMC8240
MPMC8245

intelligence  ***everywhere***

digital dna*

Date Changed: 9/10/2002	Time: 10:20:45 am	Engineer: Gary Million	Drawing Number: M99PMC06	REV: X4	Project: Unity	TITLE: Title Page	Page: 01
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Schematic Notes						
A	<p>1. Unless otherwise specified:</p> <ul style="list-style-type: none"> All resistors are SMD0603, in ohms, 0.08W, +/-5% All capacitors are SMD0603, in microfarads (μF), +/-20% All inductances are in microhenries (μH) All ferrites are Z=50 ohms at 100 MHz. All fuses are self-resetting polymeric (PTC) devices. Board impedance is 50-60 ohms. 					
	<p>2. Integrated circuits have default connections to power and ground unless explicitly shown otherwise. Global power connections are:</p> <table> <tr> <td>GND</td><td>VCC, 2.5V</td></tr> <tr> <td>VCC, 3.3V</td><td>VCCORE</td></tr> <tr> <td>VCC, 5V</td><td></td></tr> </table>	GND	VCC, 2.5V	VCC, 3.3V	VCCORE	VCC, 5V
GND	VCC, 2.5V					
VCC, 3.3V	VCCORE					
VCC, 5V						
<p>3. Part numbers used are for reference only; compatible parts may be used; refer to the bill of materials.</p>						
<p>4. Motorola and the Motorola logo are registered trademarks of Motorola. The MPC8240 is a trademark of IBM. Other trademarks are the respective property of their respective copyright holders. I've got good news! That gum you like is going to come back in style. All rights reserved.</p>						
<p>5. The sheet-to-sheet cross reference format is: Sheet# - Ver#ZoneLetter HorizontalZoneNumber</p>						
B	<p>6. Components with the label "No. stuff" are not to be installed by default; they are for test or manufacturing purposes only.</p> <div style="text-align: center;"> </div>					
	<p>7. Most buses are big-endian (0 = MSB) and are allocated by declaring the bus name starting with the 'U' element (e.g. ADI31). PCI and memory buses may be little-endian, and if so, are indicated with 'MSB as the largest-numbered element first' (e.g. ADI31/0).</p>					
	<p>8. Components with the label "If. MPC8240" are only installed on UnixY4 with the MPC8240 processor, that is an MPCMC8240. Components with the label "If. MPC8245" are only installed on UnixY4 with the MPC8245 processor, that is an MPCMC8245.</p>					

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Unless otherwise specified:
All resistors are SMD0603, in ohms, 0.08W, +/-5%
All capacitors are SMD0603, in microfarads (μF), +/-20%.
All inductances are in microhenries (μH).
All ferrites are Z=50 ohms at 1MHz.
All fuses are self-resetting polywitch (PTC) devices.
Board impedance is 50-ohm chips. |
| 2. | Integrated circuits have default connections to power and ground unless explicitly shown otherwise. Global power connections are:
<div style="display: flex; justify-content: space-around;"><div>GND
VCC_3.3V
VCC_5V</div><div>VCC_2.5V
VCC_0</div></div> |
| 3. | Part numbers used are for reference only; compatible parts may be used; refer to the bill of materials. |
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| 5. | The sheet-to-sheet cross reference format is:
Sheet "X" - VertZoneLetter HorizZoneNumber |
| 6. | Components with the label "No_stuff" are not to be installed by default; they are for test or manufacturing purposes only.
<div style="text-align: center;">↓
C123
3pf
↑
No_stuff</div> |
| 7. | Most buses are big-endian (0 = MSB) and are indicated by declaring the bus name starting with the 'E' element (ie. A0.E31). PCI and memory buses MAY be little-endian, and if so, are indicated with the MSB as the largest-numbered element first (ie. AD.E31(0)). |
| 8. | Components with the label "IF_MPC8240" are only installed on UnityX4 with the MPC8240 processor, that is in an MPMC8240. Components with the label "IF_MPC8245" are only installed on UnityX4 with the MPC8245 processor, that is in an MPMC8245. |

C123
33pF
No_stuff

Unity X4*

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REV	DATE	CHANGES
X1	98APR22	Original
X2	98OCT04	Chip pinout changes; COP tweak.
X3	99OCT20	MPIC8240 II Support; VITA PPMC changes; More Flash; I2C; Delete debug headers
X4	00FEB22	PCB Changes only.

















