

## Addendum to MPC823 and MPC823e User Manuals

This addendum applies to both the *MPC823 User's Manual Rev 1* and the *MPC823e User's Manual Rev 0*. It provides information not included in the original text.

### SECTION 5.5—LOW POWER OPERATION

- ◆ Table 5-8 should be added to Section 5.5 on page 5-31.

**Table 5-8. MPC823 Low-Power Modes**

OPERATION MODE	SPLL	CLOCKS	WAKE-UP METHOD	RETURN TIME FROM WAKE-UP EVENT TO NORMAL HIGH
<b>Normal High</b> LPM=00 TEXPS=1	Active	$VCO_{out} \text{freq} \div 2^{DFNH}$	—	—
<b>Normal Low</b> LPM=00 TEXPS=1	Active	$VCO_{out} \text{freq} \div 2^{DFNL+1}$	Software or Interrupt	Asynchronous Interrupts: 3-4 VCOOUT Clocks
<b>Doze High</b> LPM=01 TEXPS=1	Active	$VCO_{out} \text{freq} \div 2^{DFNH}$	Interrupt	Synchronous Interrupts: 2-4 GCLK1 Clocks
<b>Doze Low</b> LPM=01 TEXPS=1	Active	$VCO_{out} \text{freq} \div 2^{DFNL+1}$	Interrupt	
<b>Sleep</b> LMP=10 TEXPS=1	Active	$VCO_{out} \text{freq} \div 2^{DFNH}$	Interrupt	3-4 VCOOUT Clocks
<b>Deep-Sleep</b> LPM=11 TEXPS=1	Inactive	Inactive	Interrupt	>500 OSCM Clocks 16ms-32 kHz 125µs-4MHz
<b>Power-Down</b> LPM=11 TEXPS=0	Inactive	Inactive	Interrupt	<500 OSCM Clocks + Power Supply Wake-Up (PwSp Wake +16ms at 32kHz)





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