

Introduction

This application sheet compares the MT88E43B data sheet specification with that of the MT88E43A.

The MT88E43B is pin to pin compatible with the MT88E43A. Systems currently using the MT88E43A should be able to accept the MT88E43B with no modifications to their existing hardware and software.

Consult Table 1 below to determine the consequences of substituting devices in your application.

Table 1 illustrates the differences between the two devices. For full details on the MT88E43B, refer to the MT88E43B data sheet.

Item	Description	MT88E43A	MT88E43B
1	Dual Tone Alert Signal	The reject level is -43.78dBm at V_{DD} equal $3V \pm 10\%$ and $5V \pm 10\%$ using the input opamp gains in data sheet Figure 10.	The -43.78dBm reject level (for BT 'Tone Alert Signal') is supported for $5V \pm 10\% V_{DD}$ only. The -45dBm reject level (for Bellcore CAS) is supported for 3V and 5V nominal V_{DD} ($\pm 10\%$) using the input opamp gains in data sheet Figure 10.
2	Gain Setting Amplifier		
	Max. output voltage swing (V_O)	$V_{DD} - 0.5V$ (load $\geq 50k\Omega$)	$V_{DD} - 0.7V$ (load $\geq 100k\Omega$)
	Max. capacitive load (C_L)	100pF	50pF
	Min. resistive load (R_L)	50k Ω	100k Ω

Table 1 - Differences between the MT88E43A and MT88E43B



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