

# 16-/14-/12-Bit 125Msps Dual ADC Family

	25Msps	40Msps	65Msps	80Msps	105Msps	125Msps
16-Bit 76.8dB SNR	2180	2181	2182	2183	2184	2185
Power Consumption	39mW/Ch	58mW/Ch	80mW/Ch	100mW/Ch	154mW/Ch	185mW/Ch
14-Bit 73.2dB SNR	2140-14	2141-14	2142-14	2143-14	2144-14	2145-14
12-Bit 70.6dB SNR	2140-12	2141-12	2142-12	2143-12	2144-12	2145-12
Power Consumption	24mW/Ch	33mW/Ch	46mW/Ch	55mW/Ch	75mW/Ch	95mW/Ch

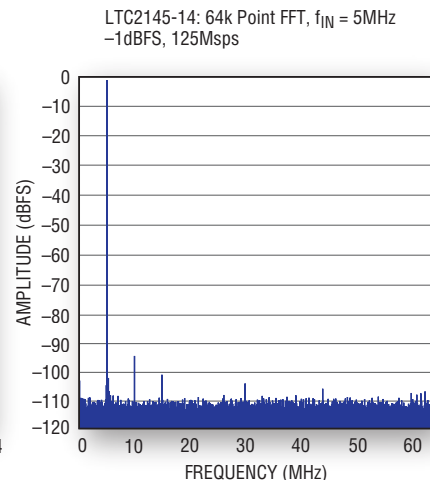
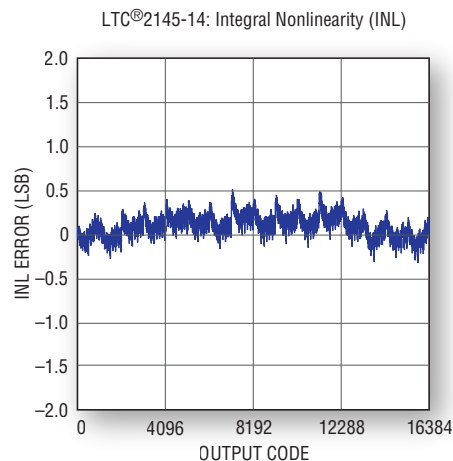


1.8V Dual ADCs,  
CMOS, DDR CMOS  
or DDR LVDS

## Features

- Pin-Compatible Family of 16-/14-/12-Bit, 25Msps to 125Msps Dual ADCs
- 76.8dB SNR, 90dB SFDR at 16-Bit
- Single 1.8V Supply
- Flexible Digital Interface:  
CMOS, DDR CMOS or DDR LVDS
- Selectable Input Ranges:  
1V<sub>p-p</sub> to 2V<sub>p-p</sub>
- 750MHz Full Power Bandwidth S/H
- Optional Data Output Randomizer
- Optional Clock Duty Cycle Stabilizer
- Shutdown and Nap Modes
- Serial SPI Port for Configuration
- Easy Evaluation Using PScope™ Tool

## Clean Performance, Very Low Power



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# High Speed ADC Portfolio

	10Msps	20Msps	25Msps	40Msps	65Msps	80Msps	105Msps	125Msps to 150Msps	170Msps	210Msps	250Msps	310Msps	
16-Bit	Single												
	2202	2201	2203	2204	2205 2215 2272	2206 2216 2273	2207 2217 2274	2208	2209				
Dual													
		2269	2160	2161	2162	2163	2164	2165					
		2270	2180	2181	2182	2183	2184	2185					
		2271	2190	2191	2192	2193	2194	2195					
14-Bit	Single												
	2245		2246	2247	2248	2249	2254	2255					
			2256-14	2257-14	2258-14	2259-14	2260-14	2261-14	2262-14	2150-14	2151-14	2152-14	2153-14
	2295		2296	2297	2298	2299	2284	2285		2155-14	2156-14	2157-14	2158-14
Dual													
			2140-14	2141-14	2142-14	2143-14	2144-14	2145-14					
			2263-14	2264-14	2265-14	2266-14	2267-14	2268-14					
Quad													
			2170-14	2171-14	2172-14	2173-14	2174-14	2175-14					
Octal													
			9006-14	9007-14	9008-14	9009-14	9010-14	9011-14					
12-Bit	Single												
	2225		2226	2227	2228	2229	2252	2253	2221	2220	2241-12	2242-12	
			2256-12	2257-12	2258-12	2259-12	2260-12	2261-12	2262-12	2150-12	2151-12	2152-12	2153-12
Dual													
	2290		2291	2292	2293	2294	2282	2283		2155-12	2156-12	2157-12	2158-12
			2140-12	2141-12	2142-12	2143-12	2144-12	2145-12					
			2263-12	2264-12	2265-12	2266-12	2267-12	2268-12					
Quad													
			2170-12	2171-12	2172-12	2173-12	2174-12	2175-12					
10-Bit	Single												
			2236	2237	2238	2239	2250	2251	2231	2230	2241-10	2242-10	
Dual													
			2286	2287	2288	2289	2280	2281					

## Parallel



1.8V Lowest Power, Single & Dual ADCs, CMOS/DDR CMOS/DDR LVDS



3.3V High SNR/SFDR ADCs, CMOS/LVDS



3.3V/2.5V ADCs, CMOS/LVDS



3V ADCs, CMOS



3V Dual ADCs, CMOS



1.8V High IF Undersampling Single & Dual ADCs, DDR LVDS



1.8V High IF Undersampling Single & Dual ADCs, DDR LVDS

## Serial



3.3V 2-Wire Serial JESD204 ADCs



1.8V Dual ADCs, Serial LVDS



1.8V Dual ADCs, Serial LVDS



1.8V Quad ADCs, Serial LVDS



1.8V Octal ADCs, Serial LVDS