

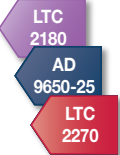




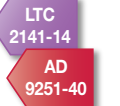







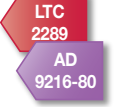

HIGH SPEED ADC PORTFOLIO

Single Channel, Parallel Interface High Speed ADC Portfolio (<170Msps)

| | | Supply Voltage & I/O | 10Msps | ≥20Msps | 40Msps | 65Msps | 80Msps | 105Msps | ≥125Msps | ≥150Msps |
|--------|----------------------------|----------------------|------------------------------------|---------------------------|---------------------------|---|----------------------------|----------------------------|-------------|-------------|
| 16-Bit | 3.3V Parallel LVDS or CMOS | | | | | LTC 2215 | LTC 2216 | LTC 2217 | LTC 2208 | LTC 2209 |
| | 3.3V Parallel CMOS | LTC 2202 | LTC 2203 | LTC 2204 | LTC 2205 | LTC 2206 | LTC 2207 | | | |
| | 1.8V Parallel CMOS or LVDS | | LTC 2160 AD 9266-20 LTC 2269 | LTC 2161 AD 9266-40 | LTC 2162 AD 9266-65 | LTC 2163 AD 9266-80 AD 9265-80 | LTC 2164 AD 9265-105 | LTC 2165 AD 9265-125 | | |
| 14-Bit | 3.3V Parallel LVDS or CMOS | | | | | | | | LTC 2208-14 | |
| | 3.3V Parallel CMOS | | | | LTC 2205-14 | LTC 2206-14 | LTC 2207-14 | | | |
| | 1.8V Parallel CMOS or LVDS | | LTC 2256-14 AD 9649-20 | LTC 2257-14 AD 9649-40 | LTC 2258-14 AD 9649-65 | LTC 2259-14 AD 9649-80 AD 9255-80 | LTC 2260-14 AD 9255-105 | LTC 2261-14 AD 9255-125 | | LTC 2262-14 |
| | 3V Parallel CMOS | LTC 2245 | LTC 2246 | LTC 2247 | LTC 2248 | LTC 2249 | LTC 2254 | LTC 2255 | | |
| | 5V Parallel CMOS | AD 9240 | | AD 9244-40 | AD 9244-65 | AD 6645-80 | AD 6645-105 | | | |
| 12-Bit | 1.8V Parallel CMOS or LVDS | | LTC 2256-12 AD 9629-20 | LTC 2257-12 AD 9629-40 | LTC 2258-12 AD 9629-65 | LTC 2259-12 AD 9629-80 | LTC 2260-12 | LTC 2261-12 | | LTC 2262-12 |
| | 3V Parallel CMOS | LTC 2225 | LTC 2226 | LTC 2227 | LTC 2228 | LTC 2229 | LTC 2252 | LTC 2253 | | |
| 10-Bit | 1.8V Parallel CMOS | | AD 9609-20 | AD 9609-40 | AD 9609-65 | AD 9609-80 | | | | |
| | 3V Parallel CMOS | | LTC 2236 | LTC 2237 | LTC 2238 AD 9215-65 | LTC 2239 AD 9215-80 | LTC 2250 AD 9215-105 | LTC 2251 | | |

Suggested Part
 Higher Performance
 Lower Power
 Smaller Solution

Dual Channel, Parallel Interface High Speed ADC Portfolio (<170MSPs)

| Supply Voltage & I/O | | ≥20MSPs | 40MSPs | 65MSPs | 80MSPs | 105MSPs | 125MSPs | |
|----------------------|--------|----------------------------|---|---|---|---|---|---|
| Resolution | 16-Bit | 1.8V Parallel CMOS or LVDS |  | LTC 2181 |  |  |  | LTC 2185 |
| | 14-Bit | 1.8V Parallel CMOS or LVDS |  |  |  |  |  |  |
| | | 3V Parallel CMOS | LTC 2296 | LTC 2297 | LTC 2298 | LTC 2299 | LTC 2284 | LTC 2285 |
| | 12-Bit | 1.8V Parallel CMOS or LVDS | LTC 2140-12 | LTC 2141-12 | LTC 2142-12 | LTC 2143-12 |  |  |
| | | 3V Parallel CMOS | LTC 2296 | LTC 2297 | LTC 2298 | LTC 2299 | LTC 2282 | LTC 2283 |
| | 10-Bit | 1.8V Parallel CMOS | AD 9204-20 | AD 9204-40 | AD 9204-65 | AD 9204-80 | | |
| | | 1.8V Parallel CMOS or LVDS | | | | | AD 9608-105 | AD 9608-125 |
| | | 3V Parallel CMOS | LTC 2286 | LTC 2287 |  |  |  | LTC 2281 |



Suggested Part



Higher Performance



Lower Power

Serial Interface High Speed ADC Portfolio (<170Mps)

| | | Supply Voltage & I/O | Channels | ≥20Mps | 40Mps | 65Mps | 80Mps | 105Mps | 125Mps |
|-------------------|--------|----------------------|-------------|-------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|
| Resolution | 14-Bit | 1.8V Serial LVDS | 16 | | | AD 9249 | | | |
| | 14 Bit | 1.8V Serial LVDS | 8 | LTM 9006-14 | LTM 9007-14 AD 9257-40 | LTM 9008-14 AD 9257-65 | LTM 9009-14 | LTM 9010-14 | LTM 9011-14 AD 9681 |
| | 12 Bit | 1.8V Serial LVDS | | | AD 9637-40 | | AD 9637-80 | | |
| | 10 Bit | 1.8V Serial LVDS | | | AD 9212-40 | AD 9212-65 | | | |
| | 16-Bit | 1.8V Serial LVDS | | | | | | | AD 9653 |
| | 16-Bit | 1.8V JESD204B | | | | | | AD 9656 | |
| | 14-Bit | 1.8V Serial LVDS | 4 | LTC 2170-14 | LTC 2171-14 | LTC 2172-14 | LTC 2173-14 AD 9253-80 | LTC 2174-14 AD 9253-105 | LTC 2175-14 AD 9253-125 |
| | 12 Bit | 1.8V Serial LVDS | | LTC 2170-12 | LTC 2171-12 | LTC 2172-12 | LTC 2173-12 AD 9633-80 | LTC 2174-12 AD 9633-105 | LTC 2175-12 AD 9633-125 |
| | 10 Bit | 1.8V Serial LVDS | | | AD 9219-40 | AD 9219-65 | | | |
| | 16 Bit | 1.8V Serial LVDS | | 2 | LTC 2190 LTC 2271 | LTC 2191 | LTC 2192 | LTC 2193 | LTC 2194 |
| | 14 Bit | 1.8V Serial LVDS | LTC 2263-14 | | LTC 2264-14 | LTC 2265-14 | LTC 2266-14 AD 9645-80 | LTC 2267-14 | LTC 2268-14 AD 9645-125 |
| | 12 Bit | 1.8V Serial LVDS | LTC 2263-12 | | LTC 2264-12 | LTC 2265-12 | LTC 2266-12 AD 9635-80 | LTC 2267-12 | LTC 2268-12 AD 9635-80 |



Suggested Part



Higher Performance





Lower Power

170Mps to 500Mps, Parallel Interface High Speed ADC Portfolio

| | | Supply Voltage & I/O | Channels | 170Mps | 210Mps | 250Mps | ≥310Mps | 500Mps |
|------------|--------|-------------------------------|-------------|-------------|-------------|-------------|-------------|----------------------------|
| Resolution | 16-Bit | 3.3V/1.8V Parallel LVDS | 2 | | | | AD 9652 | |
| | | | 1 | | AD 9467-200 | AD 9467-250 | | |
| | | 2.5V Parallel LVDS | 1 | | LTC 2107 | | | |
| | 14-Bit | 1.25V/2.5V/3.3V Parallel LVDS | 2 | | | | | AD 9684-500 |
| | | 1.8V Parallel LVDS | 2 | AD 9643-170 | AD 9643-210 | AD 9643-250 | | |
| | 1 | | AD 9642-170 | AD 9642-210 | AD 9642-250 | | | |
| | 12-Bit | 1.8V Parallel LVDS | 2 | AD 9613-170 | AD 9613-210 | AD 9613-250 | | |
| | | | 1 | AD 9634-170 | AD 9634-210 | AD 9634-250 | AD 9434-370 | AD 9434-500 |
| | 10-Bit | 1.8V Parallel LVDS | 1 | | AD 9211-200 | AD 9211-250 | AD 9211-300 | |
| | 8-Bit | 1.8V Parallel LVDS | 1 | | | | | AD 9286-500 AD 9484-500 |

170Mps to 3Gps, JESD204B Interface High Speed ADC Portfolio

| | | I/O | Channels | ≥170Mps | ≥500Mps | 1Gps | ≥1.25Gps | ≥2Gps | ≥3Gps |
|------------|--------|----------|----------|----------------------------|---|--------------|--|------------------------------|--------------|
| Resolution | 14-Bit | JESD204B | 4 | | AD 9694-500 | | | | |
| | | | 2 | AD 9250-170 AD 9250-250 | AD 9680-500 AD 9680-820 AD 9695-625 | AD 9680-1000 | AD 9680-1250 AD 9691-1250 AD 9695-1300 | AD 9689-2000 AD 9689-2600 | AD 9208-3000 |
| | | | 1 | AD 9683-170 AD 9683-250 | AD 9690-500 | AD 9690-1000 | AD 9697-1300 | | |
| | 12-Bit | JESD204B | 2 | | AD 9234-500 | AD 9234-1000 | | | |
| | | | 1 | | | | AD 9625-2000 AD 9625-2500 | | |

 Suggested Part  Lower Power

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