STMicroelectronics STM32 F3 mixed-signal MCUs now at Mouser

Mouser Electronics [1] is now stocking STMicroelectronics [2]' STM32 F3 Series of MCUs that combines the 32-bit ARM Cortex-M4 core with a DSP, FPU instructions, and advanced analog peripherals.

The STM32 F3 [3] series innovates in embedded DSC design by combining a Cortex-M4 core with fast 12-bit 5 MSPS and precise 16-bit sigma-delta ADCs, programmable gain amplifiers (4 gains, 1% accuracy), fast 50 ns comparators and versatile time control units running at 144 MHz, giving optimum integration. The devices are optimized for efficient handling and processing of mixed signals in circuits such as 3-phase motor controllers, biometrics and industrial sensor outputs or audio filters, allowing designers to tackle mixed-signal control applications. These devices help simplify design, cut power consumption and reduce PCB size in consumer, medical, portable fitness, system monitoring and metering applications.

STM32 F3 Series Mixed-Signal MCUs are pin compatible with the STM32 F1 series, and the new STM32 F3 series enlarges the STM32's Cortex-M4 portfolio to now offer both entry-level cost with the F3 series and highest performance with the F4 series. The STM F3 Series includes devices with 64 to 256 Kbytes of on-chip Flash memory, up to 48 Kbytes of SRAM and is available in WLCSP66 (less than 4.3 x 4.3 mm), LQPF48, LQFP64, LQFP100 and UFBGA100 packages. For more information, visit http://www.mouser.com/new/stmicroelectronics/stm-32f3/ [4].

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http://www.ecnmag.com/product-releases/2012/11/stmicroelectronics-stm32-f3-mixed-signal-mcus-now-mouser?qt-most_popular=0

Links:
[1] http://r20.rs6.net/tn.jsp?e=001pzsuT6x4eh87ofzEs5vQrvXf2H8ovpR8I7H_MiiyTyX9WDyvvTRq8CJJ9T3icuD3DfV1cPN7gXbkwlLlm7CWlRBAVE3Wwnw9CP6RjqlHpynOObhUGoRokGIt5LxGMz2pXZFGb2N0bxuYzHn271HpedSZZzCns9Utf8Ln4xiCfWeZ3_9pdWzbeeis_0qKcaIUNeScPeSFY2OFF-d5J8L2Xb0ndbPEBXN_AgUV6fDhmBN1hUgweqOR4Q==
[2] http://r20.rs6.net/tn.jsp?e=001pzsuT6x4eh_KJVuJP16CDrgVjh7aT_KNOcymfX8D2-oyDwirvWMvmbYCGFOdhBye_qEe6v9qNynpeWP8TOL7IuQVrNor7zYLqTVD8iEjNcy2AWF_auyY89eibynPG5IrrEmPxxKbkXM16oOHEYk2A_UeUV9xEUMpgh-fv5SNzhb0duLlxTEK2NUXwxgQFBB7vUJITxapaztLTAr2dGHui2eOMWdPLToQPqs7nBmwNYJoKsJPwLMtkXN-J0LYyRGQCkkyp5LOI04=
[3] http://r20.rs6.net/tn.jsp?e=001pzsuT6x4eh-5zBfJ_GvbYD5LyIiuMhf0Mc2f7YuJLHccWQPquuq896xPHGAxmzR-9IWvhP1MzBGJYwLYQlZdobyWcrUCLLXDhGxy-E6UyqfjDq8Y6zlCCiKYgeTqdmj5IgTGK-5sHcMnEGA60nTbD4JBCYCYIc5t
[4] http://r20.rs6.net/tn.jsp?e=001pzsuT6x4eh_jTrCWne-DbIS6vOuZ6Gf1xJJoeFa2Uqi_zawD_jaNKDEfDZDlwkY5vvxl15TMrkA3FWl9zxDJsrokEE08oi1_HHZsJveEuQply_-HBkRYHaSnl5letS787y9kW20ZszMZHfvOYUC6TqFlBW04_Kte