

I'm not a bot

































Apple Pencil Pro adds even more magical capabilities to help bring your ideas to life. Advanced features like squeeze, barrel roll, and haptic feedback make marking up, taking notes, and creating a masterpiece more intuitive than ever. Use Apple Pencil hover to preview exactly where Apple Pencil Pro will touch down on the display, and double-tap to quickly switch tools. And if you misplace it while you're out and about or at home, you can easily locate it in the Find My app. Apple Pencil Pro pairs, charges, and stores magnetically on the side of your iPad. Octane X Want to give your brand videos a cinematic edge? Join our visual experts and special guests for an info-packed hour of insights to elevate your next video project. Tune in on June 24 at 11am ET.Register NowEnjoy sharper detail, more accurate color, lifelike lighting, believable backgrounds, and more with our new model update. Your generated images will be more polished than ever. See What's NewExplore how consumers want to see climate stories told today, and what that means for your visuals.Download Our Latest VisualGPS ReportWant to give your brand videos a cinematic edge? Join our visual experts and special guests for an info-packed hour of insights to elevate your next video project. Tune in on June 24 at 11am ET.Register NowEnjoy sharper detail, more accurate color, lifelike lighting, believable backgrounds, and more with our new model update. Your generated images will be more polished than ever. See What's NewExplore how consumers want to see climate stories told today, and what that means for your visuals.Download Our Latest VisualGPS ReportWriting on a PDF on an iPad is simple and efficient. You can use various apps to annotate, sign, or edit a PDF directly. The process involves opening the PDF in a suitable app, selecting the editing tools, and then saving your notes or signatures. Here's a detailed step-by-step guide to get you started and make the most out of this feature. By following these steps, you will learn how to write on a PDF using an iPad. We'll utilize the built-in app called Apple Books for this tutorial, but you can apply these steps to other apps like Adobe Acrobat Reader or GoodNotes. First, locate and open the PDF file on your iPad. You can find your PDF in the Files app or any app where it is stored. Tap on the file to open it. If prompted, choose Apple Books or another compatible app to view the PDF. Once the PDF is open, tap on the markup tool. In Apple Books, this tool looks like a pen and is often found at the top of the screen. Tapping it will reveal a toolbar with various annotation options like pens, highlighters, and erasers. Pick the pen, highlighter, or another tool from the toolbar. Each tool offers different styles and colors. Adjust the settings to match your writing style. You can change the thickness and color of the pen or highlighter to suit your needs. Start writing directly on the PDF using your finger or an Apple Pencil. Simply touch the screen where you want to write. You can add notes, draw shapes, or highlight text. The Apple Pencil provides a natural writing experience, making it easier to annotate documents. After you're done, save your changes to keep your annotations. Tap "Done" or a similar button to save your work. Your annotations will be stored in the PDF, ready for future reference or sharing. After you complete these steps, your PDF will have all your handwritten notes saved. You can share the edited PDF via email, cloud storage, or any other method you prefer. Use an Apple Pencil: If you have an Apple Pencil, it makes writing on PDFs much smoother and more precise. Explore different apps: Try other apps like Adobe Acrobat Reader, GoodNotes, Notability for more features. Adjust tool settings: Customize the pen, highlighter settings to improve readability and comfort. Practice writing: Spend some time getting used to writing on a screen if you're new to it. Keep your iPad updated: Ensure your iPad and apps are updated for the best performance and features. Yes, you can write on any PDF using the appropriate apps on your iPad. No, you can use your finger, but an Apple Pencil offers better precision and ease. Popular apps include Apple Books, Adobe Acrobat Reader, GoodNotes, and Notability. Yes, some apps like Notability offer handwriting-to-text conversion features. Changes are saved but can usually be edited or removed later, depending on the app. Open the PDF file. Select the markup tool. Choose your writing tool. Write on the PDF. Save your changes. Writing on a PDF with an iPad is a straightforward process that can greatly enhance your productivity, especially in educational or professional settings. With the right tools and a bit of practice, you can easily annotate, highlight, and take notes directly on your digital documents. Apps like Apple Books, Adobe Acrobat Reader, and GoodNotes offer various features to suit your needs. Remember to explore these apps and customize the settings to make your writing experience as smooth as possible. By mastering this skill, you can streamline your workflow and make the most out of your iPad's capabilities. Whether you're a student, professional, or just someone who loves jotting down notes, writing on PDFs on an iPad is a game-changer that you should definitely try. Matthew Burleigh has been writing tech tutorials since 2008. His writing has appeared on dozens of different websites and been read over 50 million times. After receiving his Bachelor's and Master's degrees in Computer Science he spent several years working in IT management for small businesses. However, he now works full time writing content online and creating websites. His main writing topics include iPhones, Microsoft Office, Google Apps, Android, and Photoshop, but he has also written about many other tech topics as well. Read his full bio here. To save a PDF to your iPad, select the Share icon and tap Save to Files. Open the PDF in the Files app. Tap the pen icon in the top-right corner. Tap the + icon to add text or a signature. Use the pen tools to draw on the document. 1 Download the PDF to your iPad. Once the PDF is on your iPad, it'll be easy to edit it with the Files app. To download the PDF: If the PDF you want to edit was emailed to you or you found it on the web, tap the link to open it. Tap the Share icon (the square with an arrow) or select Open in your App Library. Tap Save to Files to save it to the Files app.[1] Choose a folder to save the file in. 2 Open the Files app. You'll find this blue folder icon on your Home screen or in your App Library.[2] Advertisement 3 Locate and select the PDF. This opens the PDF in the Files viewer. 4 Rotate a page. If a page in the PDF is rotated in the wrong direction, it's easy to fix.[10] Tap and hold the thumbnail of the page in the left panel. Tap Rotate Left or Rotate Right as needed. 5 Insert a new page. You can add pages to the PDF from a new scan, another file, or even a simple blank page. Here's how:[11] Find the page you want to delete in the thumbnails on the left side of the screen. Tap and hold the page that you want to appear before the one you're inserting now. For example, if you want to insert a new 5th page after the current 4th page, tap and hold the current 4th page. Select Insert Blank Page for a blank page, Insert from File to add a new PDF file, or photo, or Scan Pages to scan a new page from a physical document. 6 Delete a page. If you want to remove a page from the PDF, it's easy: Tap and hold the thumbnail of the page you want to delete. Tap Delete and then confirm. 7 Tap Done when you're finished editing. It's at the top-left corner. The changes you've made to the PDF are now saved. Advertisement Ask a Question Advertisement Written by: wikiHow Technology Writer This article was co-authored by wikiHow staff writer, Nicole Levine, MFA. Nicole Levine is a Technology Writer and Editor for wikiHow. She has more than 20 years of experience creating technical documentation and leading support teams at major web hosting and software companies. Nicole also holds an MFA in Creative Writing from Portland State University and teaches composition, fiction-writing, and zine-making at various institutions. This article has been viewed 145,484 times. Co-authors: 7 Updated: April 4, 2024 Views: 145,484 Categories: Featured Topics | Portable Document Format (PDF) | Editing PDF documents Print Send fan mail to authors Thank to all authors for creating a page that has been read 145,484 times. Share – copy and redistribute the material in any medium or format for any purpose, even commercially. Adapt – remix, transform, and build upon the material for any purpose, even commercially. The license cannot revoke these freedoms as long as you follow the license terms. You must give appropriate credit, provide a link to the source, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. ShareAlike – If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original. No additional restrictions – You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits. You do not have to comply with the license for elements of the material in the public domain or where your use is permitted by an applicable exception or limitation . No warranties are given. The license may not give you all of the permissions necessary for your intended use. For example, other rights such as publicity, privacy, or moral rights may limit how you use the material. Group of 32-bit RISC processor cores "Bit-banding" redirects here. For the direct port bit software access method, see Bit-banging. For the construction of processors from n-bit-wide modules, see Bit-slicing. ARM Cortex-M0 and Cortex-M3 microcontroller ICs from NXP and Silicon Labs (Energy Micro) Die from a STM32F100C4T6B IC.24 MHz ARM Cortex-M3 microcontroller with 16 KB flash memory, 4 KB RAM. Manufactured by STMicroelectronics. The ARM Cortex-M is a group of 32-bit RISC ARM processor cores licensed by ARM Limited. These cores are optimized for low-cost and energy-efficient integrated circuits, which have been embedded in tens of billions of consumer devices.[1] Though they are most often the main component of microcontroller chips, sometimes they are embedded inside other types of chips too. The Cortex-M family consists of Cortex-M0,[2] Cortex-M0+,[3] Cortex-M1,[4] Cortex-M3,[5] Cortex-M4,[6] Cortex-M7,[7] Cortex-M23,[8] Cortex-M33,[9] Cortex-M35P,[10] Cortex-M55,[11] Cortex-M55,[12] Cortex-M85,[13] A floating-point unit (FPU) option is available for Cortex-M4 /M7 /M35P /M52 /M55 /M85 cores, and when included in the silicon, these cores are sometimes known as "Cortex-MxP", where 'x' is the core variant. 32-bit Year Core 2004 Cortex-M3 2010 Cortex-M3 2010 Cortex-M3 2011 Cortex-M0+ 2014 Cortex-M0+ 2017 Cortex-M23 2016 Cortex-M35P 2020 Cortex-M55 2022 Cortex-M85 2023 Cortex-M52 See also: ARM architecture and List of ARM cores The ARM Cortex-M family are ARM microprocessor cores that are designed for use in microcontrollers, ASICs, FPGAs, and SoCs. Cortex-M cores are commonly used as dedicated microcontroller chips, but also are "hidden" inside of SoC chips as power management controllers, I/O controllers, system controllers, touch screen controllers, smart battery controllers, and sensor controllers. The main difference from Cortex-A cores is that Cortex-M cores have no virtual management unit (MMU) for virtual memory, considered essential for "full-fledged" operating systems. Cortex-M programs instead run bare metal or on one of the many real-time operating systems which support a Cortex-M. Though 8-bit microcontrollers were very popular in the past, Cortex-M has slowly been chipping away at the 8-bit market as the prices of low-end Cortex-M chips have moved downward. Cortex-M have become a popular replacements for 8-bit chips in applications that benefit from 32-bit math operations, and replacing older legacy ARM cores such as ARM7 and ARM9. In particular, the embedded wear-leveling controller inside most SD cards or flash drives is a (8-bit) 8051 microcontroller or ARM CPU.[14] ARM Limited neither manufactures nor sells CPU devices based on its own designs, but rather licenses the processor architecture to interested parties. ARM offers a variety of licensing terms, varying in cost and deliverables. To all licensees, ARM provides an integratable hardware description of the ARM core, as well as complete software development toolset and the right to sell manufactured silicon containing the ARM CPU. Integrated Device Manufacturers (IDM) receive the ARM Processor IP as synthesizable RTL (written in Verilog). In this form, they have the ability to perform architectural level optimizations and extensions. This allows the manufacturer to achieve custom design goals, such as higher clock speed, very low power consumption, and low cost implementations. ARM Cortex-M optional components ARM Cortex-M0 [18] Cortex-M0+ [19] Cortex-M1 [20] Cortex-M3 [21] Cortex-M4 [22] Cortex-M7 [23] Cortex-M23 [24] Cortex-M33 [25] Cortex-M35P [26] Cortex-M52 [27] Cortex-M55 [28] Cortex-M85 [29] Cortex-M55 [30] Cortex-M35P [31] Cortex-M55 [32] Cortex-M85 [33] Cortex-M52 [34] Cortex-M55 [35] Cortex-M85 [36] Cortex-M55 [37] Cortex-M85 [38] Cortex-M55 [39] Cortex-M85 [40] Cortex-M55 [41] Cortex-M85 [42] Cortex-M55 [43] Cortex-M85 [44] Cortex-M55 [45] Cortex-M85 [46] Cortex-M55 [47] Cortex-M85 [48] Cortex-M55 [49] Cortex-M85 [50] Cortex-M55 [51] Cortex-M85 [52] Cortex-M55 [53] Cortex-M85 [54] Cortex-M55 [55] Cortex-M85 [56] Cortex-M55 [57] Cortex-M85 [58] Cortex-M55 [59] Cortex-M85 [60] Cortex-M55 [61] Cortex-M85 [62] Cortex-M55 [63] Cortex-M85 [64] Cortex-M55 [65] Cortex-M85 [66] Cortex-M55 [67] Cortex-M85 [68] Cortex-M55 [69] Cortex-M85 [70] Cortex-M55 [71] Cortex-M85 [72] Cortex-M55 [73] Cortex-M85 [74] Cortex-M55 [75] Cortex-M85 [76] Cortex-M55 [77] Cortex-M85 [78] Cortex-M55 [79] Cortex-M85 [80] Cortex-M55 [81] Cortex-M85 [82] Cortex-M55 [83] Cortex-M85 [84] Cortex-M55 [85] Cortex-M85 [86] Cortex-M55 [87] Cortex-M85 [88] Cortex-M55 [89] Cortex-M85 [90] Cortex-M55 [91] Cortex-M85 [92] Cortex-M55 [93] Cortex-M85 [94] Cortex-M55 [95] Cortex-M85 [96] Cortex-M55 [97] Cortex-M85 [98] Cortex-M55 [99] Cortex-M85 [100] Cortex-M55 [101] Cortex-M85 [102] Cortex-M55 [103] Cortex-M85 [104] Cortex-M55 [105] Cortex-M85 [106] Cortex-M55 [107] Cortex-M85 [108] Cortex-M55 [109] Cortex-M85 [110] Cortex-M55 [111] Cortex-M85 [112] Cortex-M55 [113] Cortex-M85 [114] Cortex-M55 [115] Cortex-M85 [116] Cortex-M55 [117] Cortex-M85 [118] Cortex-M55 [119] Cortex-M85 [120] Cortex-M55 [121] Cortex-M85 [122] Cortex-M55 [123] Cortex-M85 [124] Cortex-M55 [125] Cortex-M85 [126] Cortex-M55 [127] Cortex-M85 [128] Cortex-M55 [129] Cortex-M85 [130] Cortex-M55 [131] Cortex-M85 [132] Cortex-M55 [133] Cortex-M85 [134] Cortex-M55 [135] Cortex-M85 [136] Cortex-M55 [137] Cortex-M85 [138] Cortex-M55 [139] Cortex-M85 [140] Cortex-M55 [141] Cortex-M85 [142] Cortex-M55 [143] Cortex-M85 [144] Cortex-M55 [145] Cortex-M85 [146] Cortex-M55 [147] Cortex-M85 [148] Cortex-M55 [149] Cortex-M85 [150] Cortex-M55 [151] Cortex-M85 [152] Cortex-M55 [153] Cortex-M85 [154] Cortex-M55 [155] Cortex-M85 [156] Cortex-M55 [157] Cortex-M85 [158] Cortex-M55 [159] Cortex-M85 [160] Cortex-M55 [161] Cortex-M85 [162] Cortex-M55 [163] Cortex-M85 [164] Cortex-M55 [165] Cortex-M85 [166] Cortex-M55 [167] Cortex-M85 [168] Cortex-M55 [169] Cortex-M85 [170] Cortex-M55 [171] Cortex-M85 [172] Cortex-M55 [173] Cortex-M85 [174] Cortex-M55 [175] Cortex-M85 [176] Cortex-M55 [177] Cortex-M85 [178] Cortex-M55 [179] Cortex-M85 [180] Cortex-M55 [181] Cortex-M85 [182] Cortex-M55 [183] Cortex-M85 [184] Cortex-M55 [185] Cortex-M85 [186] Cortex-M55 [187] Cortex-M85 [188] Cortex-M55 [189] Cortex-M85 [190] Cortex-M55 [191] Cortex-M85 [192] Cortex-M55 [193] Cortex-M85 [194] Cortex-M55 [195] Cortex-M85 [196] Cortex-M55 [197] Cortex-M85 [198] Cortex-M55 [199] Cortex-M85 [200] Cortex-M55 [201] Cortex-M85 [202] Cortex-M55 [203] Cortex-M85 [204] Cortex-M55 [205] Cortex-M85 [206] Cortex-M55 [207] Cortex-M85 [208] Cortex-M55 [209] Cortex-M85 [210] Cortex-M55 [211] Cortex-M85 [212] Cortex-M55 [213] Cortex-M85 [214] Cortex-M55 [215] Cortex-M85 [216] Cortex-M55 [217] Cortex-M85 [218] Cortex-M55 [219] Cortex-M85 [220] Cortex-M55 [221] Cortex-M85 [222] Cortex-M55 [223] Cortex-M85 [224] Cortex-M55 [225] Cortex-M85 [226] Cortex-M55 [227] Cortex-M85 [228] Cortex-M55 [229] Cortex-M85 [230] Cortex-M55 [231] Cortex-M85 [232] Cortex-M55 [233] Cortex-M85 [234] Cortex-M55 [235] Cortex-M85 [236] Cortex-M55 [237] Cortex-M85 [238] Cortex-M55 [239] Cortex-M85 [240] Cortex-M55 [241] Cortex-M85 [242] Cortex-M55 [243] Cortex-M85 [244] Cortex-M55 [245] Cortex-M85 [246] Cortex-M55 [247] Cortex-M85 [248] Cortex-M55 [249] Cortex-M85 [250] Cortex-M55 [251] Cortex-M85 [252] Cortex-M55 [253] Cortex-M85 [254] Cortex-M55 [255] Cortex-M85 [256] Cortex-M55 [257] Cortex-M85 [258] Cortex-M55 [259] Cortex-M85 [260] Cortex-M55 [261] Cortex-M85 [262] Cortex-M55 [263] Cortex-M85 [264] Cortex-M55 [265] Cortex-M85 [266] Cortex-M55 [267] Cortex-M85 [268] Cortex-M55 [269] Cortex-M85 [270] Cortex-M55 [271] Cortex-M85 [272] Cortex-M55 [273] Cortex-M85 [274] Cortex-M55 [275] Cortex-M85 [276] Cortex-M55 [277] Cortex-M85 [278] Cortex-M55 [279] Cortex-M85 [280] Cortex-M55 [281] Cortex-M85 [282] Cortex-M55 [283] Cortex-M85 [284] Cortex-M55 [285] Cortex-M85 [286] Cortex-M55 [287] Cortex-M85 [288] Cortex-M55 [289] Cortex-M85 [290] Cortex-M55 [291] Cortex-M85 [292] Cortex-M55 [293] Cortex-M85 [294] Cortex-M55 [295] Cortex-M85 [296] Cortex-M55 [297] Cortex-M85 [298] Cortex-M55 [299] Cortex-M85 [300] Cortex-M55 [301] Cortex-M85 [302] Cortex-M55 [303] Cortex-M85 [304] Cortex-M55 [305] Cortex-M85 [306] Cortex-M55 [307] Cortex-M85 [308] Cortex-M55 [309] Cortex-M85 [310] Cortex-M55 [311] Cortex-M85 [312] Cortex-M55 [313] Cortex-M85 [314] Cortex-M55 [315] Cortex-M85 [316] Cortex-M55 [317] Cortex-M85 [318] Cortex-M55 [319] Cortex-M85 [320] Cortex-M55 [321] Cortex-M85 [322] Cortex-M55 [323] Cortex-M85 [324] Cortex-M55 [325] Cortex-M85 [326] Cortex-M55 [327] Cortex-M85 [328] Cortex-M55 [329] Cortex-M85 [330] Cortex-M55 [331] Cortex-M85 [332] Cortex-M55 [333] Cortex-M85 [334] Cortex-M55 [335] Cortex-M85 [336] Cortex-M55 [337] Cortex-M85 [338] Cortex-M55 [339] Cortex-M85 [340] Cortex-M55 [341] Cortex-M85 [342] Cortex-M55 [343] Cortex-M85 [344] Cortex-M55 [345] Cortex-M85 [346] Cortex-M55 [347] Cortex-M85 [348] Cortex-M55 [349] Cortex-M85 [350] Cortex-M55 [351] Cortex-M85 [352] Cortex-M55 [353] Cortex-M85 [354] Cortex-M55 [355] Cortex-M85 [356] Cortex-M55 [357] Cortex-M85 [358] Cortex-M55 [359] Cortex-M85 [360] Cortex-M55 [361] Cortex-M85 [362] Cortex-M55 [363] Cortex-M85 [364] Cortex-M55 [365] Cortex-M85 [366] Cortex-M55 [367] Cortex-M85 [368] Cortex-M55 [369] Cortex-M85 [370] Cortex-M55 [371] Cortex-M85 [372] Cortex-M55 [373] Cortex-M85 [374] Cortex-M55 [375] Cortex-M85 [376] Cortex-M55 [377] Cortex-M85 [378] Cortex-M55 [379] Cortex-M85 [380] Cortex-M55 [381] Cortex-M85 [382] Cortex-M55 [383] Cortex-M85 [384] Cortex-M55 [385] Cortex-M85 [386] Cortex-M55 [387] Cortex-M85 [388] Cortex-M55 [389] Cortex-M85 [390] Cortex-M55 [391] Cortex-M85 [392] Cortex-M55 [393] Cortex-M85 [394] Cortex-M55 [395] Cortex-M85 [396] Cortex-M55 [397] Cortex-M85 [398] Cortex-M55 [399] Cortex-M85 [400] Cortex-M55 [401] Cortex-M85 [402] Cortex-M55 [403] Cortex-M85 [404] Cortex-M55 [405] Cortex-M85 [406] Cortex-M55 [407] Cortex-M85 [408] Cortex-M55 [409] Cortex-M85 [410] Cortex-M55 [411] Cortex-M85 [412] Cortex-M55 [413] Cortex-M85 [414] Cortex-M55 [415] Cortex-M85 [416] Cortex-M55 [417] Cortex-M85 [418] Cortex-M55 [419] Cortex-M85 [420] Cortex-M55 [421] Cortex-M85 [422] Cortex-M55 [423] Cortex-M85 [424] Cortex-M55 [425] Cortex-M85 [426] Cortex-M55 [427] Cortex-M85 [428] Cortex-M55 [429] Cortex-M85 [430] Cortex-M55 [431] Cortex-M85 [432] Cortex-M55 [433] Cortex-M85 [434] Cortex-M55 [435] Cortex-M85 [436] Cortex-M55 [437] Cortex-M85 [438] Cortex-M55 [439] Cortex-M85 [440] Cortex-M55 [441] Cortex-M85 [442] Cortex-M55 [443] Cortex-M85 [444] Cortex-M55 [445] Cortex-M85 [446] Cortex-M55 [447] Cortex-M85 [448] Cortex-M55 [449] Cortex-M85 [450] Cortex-M55 [451] Cortex-M85 [452] Cortex-M55 [453] Cortex-M85 [454] Cortex-M55 [455] Cortex-M85 [456] Cortex-M55 [457] Cortex-M85 [458] Cortex-M55 [459] Cortex-M85 [460] Cortex-M55 [461] Cortex-M85 [462] Cortex-M55 [463] Cortex-M85 [464] Cortex-M55 [465] Cortex-M85 [466] Cortex-M55 [467] Cortex-M85 [468] Cortex-M55 [469] Cortex-M85 [470] Cortex-M55 [471] Cortex-M85 [472] Cortex-M55 [473] Cortex-M85 [474] Cortex-M55 [475] Cortex-M85 [476] Cortex-M55 [477] Cortex-M85 [478] Cortex-M55 [479] Cortex-M85 [480] Cortex-M55 [481] Cortex-M85 [482] Cortex-M55 [483] Cortex-M85 [484] Cortex-M55 [485] Cortex-M85 [486] Cortex-M55 [487] Cortex-M85 [488] Cortex-M55 [489] Cortex-M85 [490] Cortex-M55 [491] Cortex-M85 [492] Cortex-M55 [493] Cortex-M85 [494] Cortex-M55 [495] Cortex-M85 [496] Cortex-M55 [497] Cortex-M85 [498] Cortex-M55 [499] Cortex-M85 [500] Cortex-M55 [501] Cortex-M85 [502] Cortex-M55 [503] Cortex-M85 [504] Cortex-M55 [505] Cortex-M85 [506] Cortex-M55 [507] Cortex-M85 [508] Cortex-M55 [509] Cortex-M85 [510] Cortex-M55 [511] Cortex-M85 [512] Cortex-M55 [513] Cortex-M85 [514] Cortex-M55 [515] Cortex-M85 [516] Cortex-M55 [517] Cortex-M85 [518] Cortex-M55 [519] Cortex-M85 [520] Cortex-M55 [521] Cortex-M85 [522] Cortex-M55 [523] Cortex-M85 [524] Cortex-M55 [525] Cortex-M85 [526] Cortex-M55 [527] Cortex-M85 [528] Cortex-M55 [529] Cortex-M85 [530] Cortex-M55 [531] Cortex-M85 [532] Cortex-M55 [533] Cortex-M85 [534] Cortex-M55 [535] Cortex-M85 [536] Cortex-M55 [537] Cortex-M85 [538] Cortex-M55 [539] Cortex-M85 [540] Cortex-M55 [541] Cortex-M85 [542] Cortex-M55 [543] Cortex-M85 [544] Cortex-M55 [545] Cortex-M85 [546] Cortex-M55 [547] Cortex-M85 [548] Cortex-M55 [549] Cortex-M85 [550] Cortex-M55 [551] Cortex-M85 [552] Cortex-M55 [553] Cortex-M85 [554] Cortex-M55 [555] Cortex-M85 [556] Cortex-M55 [557] Cortex-M85 [558] Cortex-M55 [559] Cortex-M85 [560] Cortex-M55 [561] Cortex-M85 [562] Cortex-M55 [563] Cortex-M85 [564] Cortex-M55 [565] Cortex-M85 [566] Cortex-M55 [567] Cortex-M85 [568] Cortex-M55 [569] Cortex-M85 [570] Cortex-M55 [571] Cortex-M85 [572] Cortex-M55 [573] Cortex-M85 [574] Cortex-M55 [575] Cortex-M85 [576] Cortex-M55 [577] Cortex-M85 [578] Cortex-M55 [579] Cortex-M85 [580] Cortex-M55 [581] Cortex-M85 [582] Cortex-M55 [583] Cortex-M85 [584] Cortex-M55 [585] Cortex-M85 [586] Cortex-M55 [587] Cortex-M85 [588] Cortex-M55 [589] Cortex-M85 [590] Cortex-M55 [591] Cortex-M85 [592] Cortex-M55 [593] Cortex-M85 [594] Cortex-M55 [595] Cortex-M85 [596] Cortex-M55 [597] Cortex-M85 [598] Cortex-M55 [599] Cortex-M85 [600] Cortex-M55 [601] Cortex-M85 [602] Cortex-M55 [603] Cortex-M85 [604] Cortex-M55 [605] Cortex-M85 [606] Cortex-M55 [607] Cortex-M85 [608] Cortex-M55 [609] Cortex-M85 [610] Cortex-M55 [611] Cortex-M85 [612] Cortex-M55 [613] Cortex-M85 [614] Cortex-M55 [615] Cortex-M85 [616] Cortex-M55 [617] Cortex-M85 [618] Cortex-M55 [619] Cortex-M85 [620] Cortex-M55 [621] Cortex-M85 [622] Cortex-M55 [623] Cortex-M85 [624] Cortex-M55 [625] Cortex-M85 [626] Cortex-M55 [627] Cortex-M85 [628] Cortex-M55 [629] Cortex-M85 [630] Cortex-M55 [631] Cortex-M85 [632] Cortex-M55 [633] Cortex-M85 [634] Cortex-M55 [635] Cortex-M85 [636] Cortex-M55 [637] Cortex-M85 [638] Cortex-M55 [639] Cortex-M85 [640] Cortex-M55 [641] Cortex-M85 [642] Cortex-M55 [643] Cortex-M85 [644] Cortex-M55 [645] Cortex-M85 [646] Cortex-M55 [647] Cortex-M85 [648] Cortex-M55 [649] Cortex-M85 [650] Cortex-M55 [651] Cortex-M85 [652] Cortex-M55 [653] Cortex-M85 [654] Cortex-M55 [655] Cortex-M85 [656] Cortex-M55 [657] Cortex-M85 [658] Cortex-M55 [659] Cortex-M85 [660] Cortex-M55 [661] Cortex-M85 [662] Cortex-M55 [663] Cortex-M85 [664] Cortex-M55 [665] Cortex-M85 [666] Cortex-M55 [667] Cortex-M85 [668] Cortex-M55 [669] Cortex-M85 [670] Cortex-M55 [671] Cortex-M85 [672] Cortex-M55 [673] Cortex-M85 [674] Cortex-M55 [675] Cortex-M85 [676] Cortex-M55 [677] Cortex-M85 [678] Cortex-M55 [679] Cortex-M85 [680] Cortex-M55 [681] Cortex-M85 [682] Cortex-M55 [683] Cortex-M85 [684] Cortex-M55 [685] Cortex-M85 [686] Cortex-M55 [687] Cortex-M85 [688] Cortex-M55 [689] Cortex-M85 [690] Cortex-M55 [691] Cortex-M85 [692] Cortex-M55 [693] Cortex-M85 [694] Cortex-M55 [695] Cortex-M85 [696] Cortex-M55 [697] Cortex-M85 [698] Cortex-M55 [699] Cortex-M85 [700] Cortex-M55 [701] Cortex-M85 [702] Cortex-M55 [703] Cortex-M85 [704] Cortex-M55 [705] Cortex-M85 [706] Cortex-M55 [707] Cortex-M85 [708] Cortex-M55 [709] Cortex-M85 [710] Cortex-M55 [711] Cortex-M85 [712] Cortex-M55 [713] Cortex-M85 [714] Cortex-M55 [715] Cortex-M85 [716] Cortex-M55 [717] Cortex-M85 [718] Cortex-M55 [719] Cortex-M85 [720] Cortex-M55 [721] Cortex-M85 [722] Cortex-M55 [723] Cortex-M85 [724] Cortex-M55 [725] Cortex-M85 [726] Cortex-M55 [727] Cortex-M85 [728] Cortex-M55 [729] Cortex-M85 [730] Cortex-M55 [731] Cortex-M85 [732] Cortex-M55 [733] Cortex-M85 [734] Cortex-M55 [735] Cortex-M85 [736] Cortex-M55 [737] Cortex-M85 [738] Cortex-M55 [739] Cortex-M85 [740] Cortex-M55 [741] Cortex-M85 [742] Cortex-M55 [743] Cortex-M85 [744] Cortex-M55 [745] Cortex-M85 [746] Cortex-M55 [747] Cortex-M85 [748] Cortex-M55 [749] Cortex-M85 [750] Cortex-M55 [751] Cortex-M85 [752] Cortex-M55 [753] Cortex-M85 [754] Cortex-M55 [755] Cortex-M85 [756] Cortex-M55 [757] Cortex-M85 [758] Cortex-M55 [759] Cortex-M85 [760] Cortex-M55 [761] Cortex-M85 [762] Cortex-M55 [763] Cortex-M85 [764] Cortex-M55 [765] Cortex-M85 [766] Cortex-M55 [767] Cortex-M85 [768] Cortex-M55 [769] Cortex-M85 [770] Cortex-M55 [771] Cortex-M85 [772] Cortex-M55 [773] Cortex-M85 [774] Cortex-M55 [775] Cortex-M85 [776] Cortex-M55 [777] Cortex-M85 [778] Cortex-M55 [779] Cortex-M85 [780] Cortex-M55 [781] Cortex-M85 [782] Cortex-M55 [783] Cortex-M85 [784] Cortex-M55 [785] Cortex-M85 [786] Cortex-M55 [787] Cortex-M85 [788] Cortex-M55 [789] Cortex-M85 [790] Cortex-M55 [791] Cortex-M85 [792] Cortex-M55 [793] Cortex-M85 [794] Cortex-M55 [795] Cortex-M85 [796] Cortex-M55 [797] Cortex-M85 [798] Cortex-M55 [799] Cortex-M85 [800] Cortex-M55 [801] Cortex-M85 [802] Cortex-M55 [803] Cortex-M85 [804] Cortex-M55 [805] Cortex-M85 [806] Cortex-M55 [807] Cortex-M85 [808] Cortex-M55 [809] Cortex-M85 [810] Cortex-M55 [811] Cortex-M85 [812] Cortex-M55 [813] Cortex-M85 [814] Cortex-M55 [815] Cortex-M85 [816] Cortex-M55 [817] Cortex-M85 [818] Cortex-M55 [819] Cortex-M85 [820] Cortex-M55 [821] Cortex-M85 [822] Cortex-M55 [823] Cortex-M85 [824] Cortex-M55 [825] Cortex-M85 [826] Cortex-M55 [827] Cortex-M85 [828] Cortex-M55 [829] Cortex-M85 [830] Cortex-M55 [831] Cortex-M85 [832] Cortex-M55 [833] Cortex-M85 [834] Cortex-M55 [835] Cortex-M85 [836] Cortex-M55 [837] Cortex-M85 [838] Cortex-M55 [839] Cortex-M85 [840] Cortex-M55 [841] Cortex-M85 [842] Cortex-M55 [843] Cortex-M85 [844] Cortex-M55 [845] Cortex-M85 [846] Cortex-M55 [847] Cortex-M85 [848] Cortex-M55 [849] Cortex-M85 [850] Cortex-M55 [851] Cortex-M85 [852] Cortex-M55 [853] Cortex-M85 [854] Cortex-M55 [855] Cortex-M85 [856] Cortex-M55 [857] Cortex-M85 [858] Cortex-M55 [859] Cortex-M85 [860] Cortex-M55 [861] Cortex-M85 [862] Cortex-M55 [863] Cortex-M85 [864] Cortex-M55 [865] Cortex-M85 [866] Cortex-M55 [867] Cortex-M85 [868] Cortex-M55 [869] Cortex-M85 [870] Cortex-M55 [871] Cortex-M85 [872] Cortex-M55 [873] Cortex-M85 [874] Cortex-M55 [875] Cortex-M85 [876] Cortex-M55 [877] Cortex-M85 [878] Cortex-M55 [879] Cortex-M85 [880] Cortex-M55 [881] Cortex-M85 [882] Cortex-M55 [883] Cortex-M85 [884] Cortex-M55 [885] Cortex-M85 [886] Cortex-M55 [887] Cortex-M85 [888] Cortex-M55 [889] Cortex-M85 [890] Cortex-M55 [891] Cortex-M85 [892] Cortex-M55 [893] Cortex-M85 [894] Cortex-M55 [895] Cortex-M85 [896] Cortex-M55 [897] Cortex-M85 [898] Cortex-M55 [899] Cortex-M85 [900] Cortex-M55 [901] Cortex-M85 [902] Cortex-M55 [903] Cortex-M85 [904] Cortex-M55 [905] Cortex-M85 [906] Cortex-M55 [907] Cortex-M85 [908] Cortex-M55 [909] Cortex-M85 [910] Cortex-M55 [911] Cortex-M85 [912] Cortex-M55 [913] Cortex-M85 [914] Cortex-M55 [915] Cortex-M85 [916] Cortex-M55 [917] Cortex-M85 [918] Cortex-M55 [919] Cortex-M85 [920] Cortex-M55 [921] Cortex-M85 [922] Cortex-M55 [923] Cortex-M85 [924] Cortex-M55 [925] Cortex-M85 [926] Cortex-M55 [927] Cortex-M85 [928] Cortex-M55 [929] Cortex-M85 [930] Cortex-M55 [931] Cortex-M85 [932] Cortex-M55 [933] Cortex-M85 [934] Cortex-M55 [935] Cortex-M85 [936] Cortex-M55 [937] Cortex-M85 [938] Cortex-M55 [939] Cortex-M85 [940] Cortex-M55 [941] Cortex-M85 [942] Cortex-M55 [943] Cortex-M85 [944] Cortex-M55 [945] Cortex-M85 [946] Cortex-M55 [947] Cortex-M85 [948] Cortex-M55 [949] Cortex-M85 [950] Cortex-M55 [951] Cortex-M85 [952] Cortex-M55 [953] Cortex-M85 [954] Cortex-M55 [955] Cortex-M85 [956] Cortex-M55 [957] Cortex-M85 [958] Cortex-M55 [959] Cortex-M85 [960] Cortex-M55 [961] Cortex-M85 [962] Cortex-M55 [963] Cortex-M85 [964] Cortex-M55 [965] Cortex-M85 [966] Cortex-M55 [967] Cortex-M85 [968] Cortex-M55 [969] Cortex-M85 [970] Cortex-M55 [971] Cortex-M85 [972] Cortex-M55 [973] Cortex-M85 [974] Cortex-M55 [975] Cortex-M85 [976] Cortex-M55 [977] Cortex-M85 [978] Cortex-M55 [979] Cortex-M85 [980] Cortex-M55 [981] Cortex-M85 [982] Cortex-M55 [983] Cortex-M85 [984] Cortex-M55 [985] Cortex-M85 [986] Cortex-M55 [987] Cortex-M85 [988] Cortex-M55 [989] Cortex-M85 [990] Cortex-M55 [991] Cortex-M85 [992] Cortex-M55 [993] Cortex-M85 [994] Cortex-M55 [995] Cortex-M85 [996] Cortex-M55 [997] Cortex-M85 [998] Cortex-M55 [999] Cortex-M85 [1000] Cortex-M55 [1001] Cortex-M85 [1002] Cortex-M55 [1003] Cortex-M85 [1004] Cortex-M55 [1005] Cortex-M85 [1006] Cortex-M55 [1007] Cortex-M85 [1008] Cortex-M55 [1009] Cortex-M85 [1010] Cortex-M55 [1011] Cortex-M85 [1012] Cortex-M55 [1013] Cortex-M85 [1014] Cortex-M55 [1015] Cortex-M85 [1016] Cortex-M55 [1017] Cortex-M85 [1018] Cortex-M55 [1019] Cortex-M85 [1020] Cortex-M55 [1021] Cortex-M85 [1022] Cortex-M55 [1023] Cortex-M85 [1024] Cortex-M55 [1025] Cortex-M85 [1026] Cortex-M55 [1027] Cortex-M85 [1028] Cortex-M55 [1029] Cortex-M85 [1030] Cortex-M55 [1031] Cortex-M85 [1032] Cortex-M55 [1033] Cortex-M85 [1034] Cortex-M55 [1035] Cortex-M85 [1036] Cortex-M55 [1037] Cortex-M85 [1038] Cortex-M55 [1039] Cortex-M85 [1040] Cortex-M55 [1041] Cortex-M85 [1042] Cortex-M55 [1043] Cortex-M85 [1044] Cortex-M55 [1045] Cortex-M85 [1046] Cortex-M55 [1047] Cortex-M85 [1048] Cortex-M55 [1049] Cortex-M85 [1050] Cortex-M55 [1051] Cortex-M85 [1052] Cortex-M55 [1053] Cortex-M85 [1054] Cortex-M55 [1055] Cortex-M85 [1056] Cortex-M55 [1057] Cortex-M85 [1058] Cortex-M55 [1059] Cortex-M85 [1060] Cortex-M55 [1061] Cortex-M85 [1062] Cortex-M55 [1063] Cortex-M85 [1064] Cortex-M55 [1065] Cortex-M85 [1066] Cortex-M55 [1067

