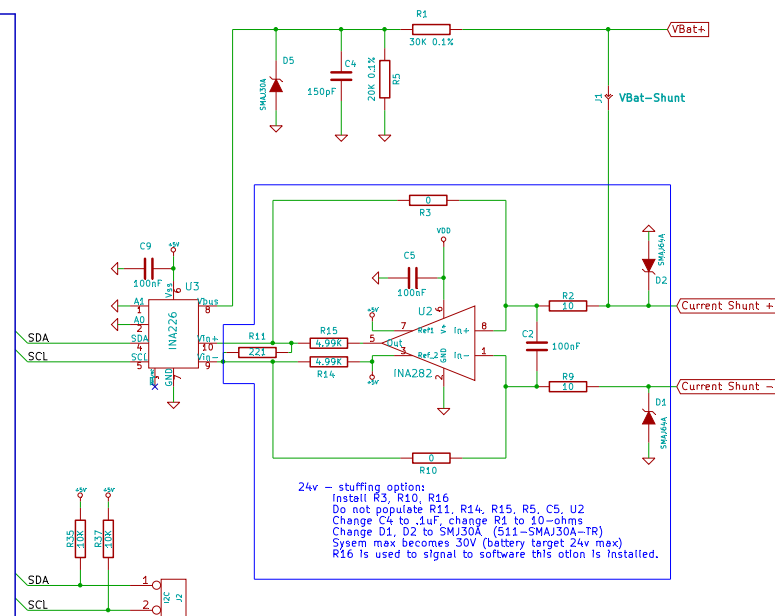
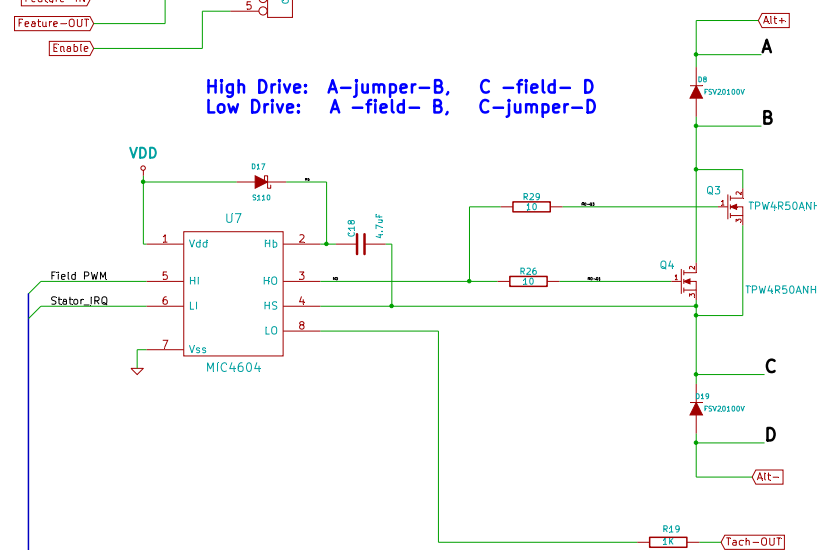


**Design Point: 65v max Battery / System Voltage  
(32v max with '24v' stuffing option)**



High Drive: A-jumper-B, C-field-D  
Low Drive: A-field-B, C-jumper-D



The diagram shows the FT230X-S module with various components and connections:

- USB Connection:** A USB connector (P1) is connected to the module. The USB\_MICO pin is connected to the module's USB pin.
- Power Supply:** A +5V supply is connected to the module. A 3.3V supply is also shown.
- Resistors:** R12 (10k), R13 (10k), R22 (10k), R23 (10k), R24 (10k), R25 (10k), R26 (10k), R27 (10k), R28 (10k), R29 (10k), R30 (10k), R31 (10k), R32 (10k), R33 (10k), R34 (10k), R35 (10k), R36 (10k), R37 (10k), R38 (10k), R39 (10k), R40 (10k), R41 (10k), R42 (10k), R43 (10k), R44 (10k), R45 (10k), R46 (10k), R47 (10k), R48 (10k), R49 (10k), R50 (10k), R51 (10k), R52 (10k), R53 (10k), R54 (10k), R55 (10k), R56 (10k), R57 (10k), R58 (10k), R59 (10k), R60 (10k), R61 (10k), R62 (10k), R63 (10k), R64 (10k), R65 (10k), R66 (10k), R67 (10k), R68 (10k), R69 (10k), R70 (10k), R71 (10k), R72 (10k), R73 (10k), R74 (10k), R75 (10k), R76 (10k), R77 (10k), R78 (10k), R79 (10k), R80 (10k), R81 (10k), R82 (10k), R83 (10k), R84 (10k), R85 (10k), R86 (10k), R87 (10k), R88 (10k), R89 (10k), R90 (10k), R91 (10k), R92 (10k), R93 (10k), R94 (10k), R95 (10k), R96 (10k), R97 (10k), R98 (10k), R99 (10k), R100 (10k).
- Capacitors:** C1 (100nF), C2 (100nF), C3 (100nF), C4 (100nF), C5 (100nF), C6 (100nF), C7 (100nF), C8 (100nF), C9 (100nF), C10 (100nF), C11 (100nF), C12 (100nF), C13 (100nF), C14 (100nF), C15 (100nF), C16 (100nF), C17 (100nF), C18 (100nF), C19 (100nF), C20 (100nF), C21 (100nF), C22 (100nF), C23 (100nF), C24 (100nF), C25 (100nF), C26 (100nF), C27 (100nF), C28 (100nF), C29 (100nF), C30 (100nF), C31 (100nF), C32 (100nF), C33 (100nF), C34 (100nF), C35 (100nF), C36 (100nF), C37 (100nF), C38 (100nF), C39 (100nF), C40 (100nF), C41 (100nF), C42 (100nF), C43 (100nF), C44 (100nF), C45 (100nF), C46 (100nF), C47 (100nF), C48 (100nF), C49 (100nF), C50 (100nF), C51 (100nF), C52 (100nF), C53 (100nF), C54 (100nF), C55 (100nF), C56 (100nF), C57 (100nF), C58 (100nF), C59 (100nF), C60 (100nF), C61 (100nF), C62 (100nF), C63 (100nF), C64 (100nF), C65 (100nF), C66 (100nF), C67 (100nF), C68 (100nF), C69 (100nF), C70 (100nF), C71 (100nF), C72 (100nF), C73 (100nF), C74 (100nF), C75 (100nF), C76 (100nF), C77 (100nF), C78 (100nF), C79 (100nF), C80 (100nF), C81 (100nF), C82 (100nF), C83 (100nF), C84 (100nF), C85 (100nF), C86 (100nF), C87 (100nF), C88 (100nF), C89 (100nF), C90 (100nF), C91 (100nF), C92 (100nF), C93 (100nF), C94 (100nF), C95 (100nF), C96 (100nF), C97 (100nF), C98 (100nF), C99 (100nF), C100 (100nF).
- Diodes:** D1 (1N4148), D2 (1N4148), D3 (1N4148), D4 (1N4148), D5 (1N4148), D6 (1N4148), D7 (1N4148), D8 (1N4148), D9 (1N4148), D10 (1N4148), D11 (1N4148), D12 (1N4148), D13 (1N4148), D14 (1N4148), D15 (1N4148), D16 (1N4148), D17 (1N4148), D18 (1N4148), D19 (1N4148), D20 (1N4148), D21 (1N4148), D22 (1N4148), D23 (1N4148), D24 (1N4148), D25 (1N4148), D26 (1N4148), D27 (1N4148), D28 (1N4148), D29 (1N4148), D30 (1N4148), D31 (1N4148), D32 (1N4148), D33 (1N4148), D34 (1N4148), D35 (1N4148), D36 (1N4148), D37 (1N4148), D38 (1N4148), D39 (1N4148), D40 (1N4148), D41 (1N4148), D42 (1N4148), D43 (1N4148), D44 (1N4148), D45 (1N4148), D46 (1N4148), D47 (1N4148), D48 (1N4148), D49 (1N4148), D50 (1N4148), D51 (1N4148), D52 (1N4148), D53 (1N4148), D54 (1N4148), D55 (1N4148), D56 (1N4148), D57 (1N4148), D58 (1N4148), D59 (1N4148), D60 (1N4148), D61 (1N4148), D62 (1N4148), D63 (1N4148), D64 (1N4148), D65 (1N4148), D66 (1N4148), D67 (1N4148), D68 (1N4148), D69 (1N4148), D70 (1N4148), D71 (1N4148), D72 (1N4148), D73 (1N4148), D74 (1N4148), D75 (1N4148), D76 (1N4148), D77 (1N4148), D78 (1N4148), D79 (1N4148), D80 (1N4148), D81 (1N4148), D82 (1N4148), D83 (1N4148), D84 (1N4148), D85 (1N4148), D86 (1N4148), D87 (1N4148), D88 (1N4148), D89 (1N4148), D90 (1N4148), D91 (1N4148), D92 (1N4148), D93 (1N4148), D94 (1N4148), D95 (1N4148), D96 (1N4148), D97 (1N4148), D98 (1N4148), D99 (1N4148), D100 (1N4148).
- ICs:** FT230X-S (U1), FT230X-S (U2), FT230X-S (U3), FT230X-S (U4), FT230X-S (U5), FT230X-S (U6), FT230X-S (U7), FT230X-S (U8), FT230X-S (U9), FT230X-S (U10), FT230X-S (U11), FT230X-S (U12), FT230X-S (U13), FT230X-S (U14), FT230X-S (U15), FT230X-S (U16), FT230X-S (U17), FT230X-S (U18), FT230X-S (U19), FT230X-S (U20), FT230X-S (U21), FT230X-S (U22), FT230X-S (U23), FT230X-S (U24), FT230X-S (U25), FT230X-S (U26), FT230X-S (U27), FT230X-S (U28), FT230X-S (U29), FT230X-S (U30), FT230X-S (U31), FT230X-S (U32), FT230X-S (U33), FT230X-S (U34), FT230X-S (U35), FT230X-S (U36), FT230X-S (U37), FT230X-S (U38), FT230X-S (U39), FT230X-S (U40), FT230X-S (U41), FT230X-S (U42), FT230X-S (U43), FT230X-S (U44), FT230X-S (U45), FT230X-S (U46), FT230X-S (U47), FT230X-S (U48), FT230X-S (U49), FT230X-S (U50), FT230X-S (U51), FT230X-S (U52), FT230X-S (U53), FT230X-S (U54), FT230X-S (U55), FT230X-S (U56), FT230X-S (U57), FT230X-S (U58), FT230X-S (U59), FT230X-S (U60), FT230X-S (U61), FT230X-S (U62), FT230X-S (U63), FT230X-S (U64), FT230X-S (U65), FT230X-S (U66), FT230X-S (U67), FT230X-S (U68), FT230X-S (U69), FT230X-S (U70), FT230X-S (U71), FT230X-S (U72), FT230X-S (U73), FT230X-S (U74), FT230X-S (U75), FT230X-S (U76), FT230X-S (U77), FT230X-S (U78), FT230X-S (U79), FT230X-S (U80), FT230X-S (U81), FT230X-S (U82), FT230X-S (U83), FT230X-S (U84), FT230X-S (U85), FT230X-S (U86), FT230X-S (U87), FT230X-S (U88), FT230X-S (U89), FT230X-S (U90), FT230X-S (U91), FT230X-S (U92), FT230X-S (U93), FT230X-S (U94), FT230X-S (U95), FT230X-S (U96), FT230X-S (U97), FT230X-S (U98), FT230X-S (U99), FT230X-S (U100).

