

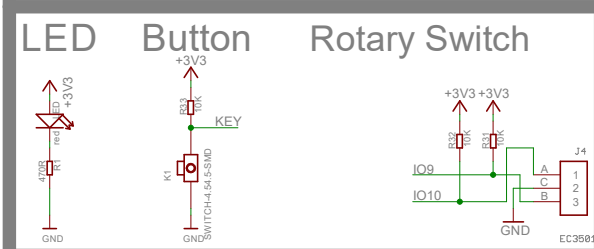
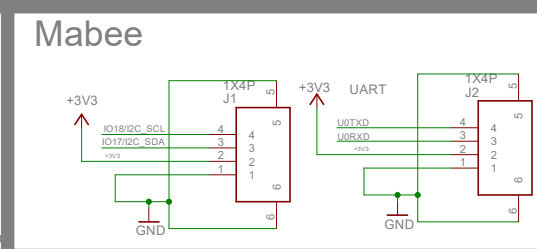
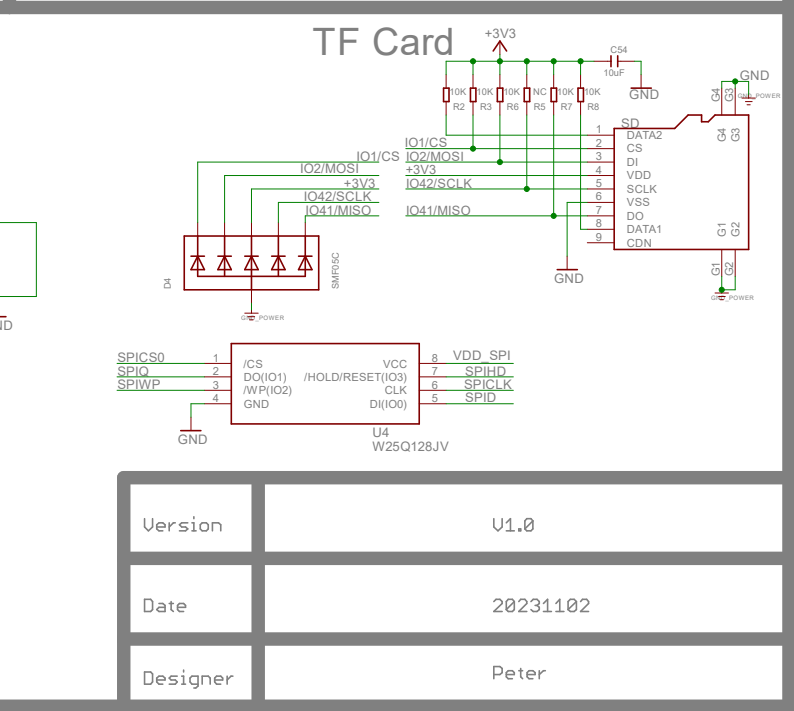
MaTouch ESP32-S3 RotaryIPS-Display1.28GC9A01

USB

The diagram illustrates the pin connections for a USB Type-C connector. A red box labeled 'USB-C' contains the following pins: VBUS, D+, D-, CC1, CC2, SHLD, SHLD, and GND. The connections are as follows:

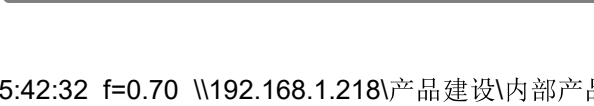
- VBUS:** Connected to a 5V power source.
- D+:** Connected to the USB D+ pin.
- D-:** Connected to the USB D- pin.
- CC1 and CC2:** Connected to the SHLD pin.
- SHLD:** Connected to the SHLD pin.
- GND:** Connected to the GND pin.

The USB D+ and D- pins are connected to the USB D+ and D- pins. The SHLD pin is connected to the SHLD pin. The GND pin is connected to the GND pin.

[illegible][illegible]

MCU

The schematic diagram illustrates the electrical connections for a Microcontroller Unit (MCU). The power supply section shows a +3V3 input connected to the VDD pin, with decoupling capacitors C1 (100nF), C2 (0.1uF), C3 (0.1uF), and C4 (0.1uF) connected to ground. A 500mA current limit is indicated. The reset circuit includes a RESET pin connected to a +3V3 supply through a 10k resistor (R1) and a 100nF capacitor (C5) to ground. The I/O section shows various pins connected to a USB interface: IO18/I2C SCL, IO17/I2C SDA, IO19, IO20, IO15/CS0, IO16/TP_RST, IO17/I2C_SDA, IO18/I2C_SCL, IO19, IO20, IO21/CD_B, IO14/CD_RST, IO13/MSG0, IO14/MSG1, IO14/MSG2, IO14/MSG3, IO14/MSG4, IO14/MSG5, IO14/MSG6, IO14/MSG7, IO14/MSG8, IO14/MSG9, IO14/MSG10, IO14/MSG11, IO14/MSG12, IO14/MSG13, IO14/MSG14, IO14/MSG15, IO14/MSG16, IO14/MSG17, IO14/MSG18, IO14/MSG19, IO14/MSG20, IO14/MSG21, IO14/MSG22, IO14/MSG23, IO14/MSG24, IO14/MSG25, IO14/MSG26, IO14/MSG27, IO14/MSG28, IO14/MSG29, IO14/MSG30, IO14/MSG31, IO14/MSG32, IO14/MSG33, IO14/MSG34, IO14/MSG35, IO14/MSG36, IO14/MSG37, IO14/MSG38, IO14/MSG39, IO14/MSG40, IO14/MSG41, IO14/MSG42, IO14/MSG43, IO14/MSG44, IO14/MSG45, IO14/MSG46, IO14/MSG47, IO14/MSG48, IO14/MSG49, IO14/MSG50, IO14/MSG51, IO14/MSG52, IO14/MSG53, IO14/MSG54, IO14/MSG55, IO14/MSG56, IO14/MSG57, IO14/MSG58, IO14/MSG59, IO14/MSG60, IO14/MSG61, IO14/MSG62, IO14/MSG63, IO14/MSG64, IO14/MSG65, IO14/MSG66, IO14/MSG67, IO14/MSG68, IO14/MSG69, IO14/MSG70, IO14/MSG71, IO14/MSG72, IO14/MSG73, IO14/MSG74, IO14/MSG75, IO14/MSG76, IO14/MSG77, IO14/MSG78, IO14/MSG79, IO14/MSG80, IO14/MSG81, IO14/MSG82, IO14/MSG83, IO14/MSG84, IO14/MSG85, IO14/MSG86, IO14/MSG87, IO14/MSG88, IO14/MSG89, IO14/MSG90, IO14/MSG91, IO14/MSG92, IO14/MSG93, IO14/MSG94, IO14/MSG95, IO14/MSG96, IO14/MSG97, IO14/MSG98, IO14/MSG99, IO14/MSG100, IO14/MSG101, IO14/MSG102, IO14/MSG103, IO14/MSG104, IO14/MSG105, IO14/MSG106, IO14/MSG107, IO14/MSG108, IO14/MSG109, IO14/MSG110, IO14/MSG111, IO14/MSG112, IO14/MSG113, IO14/MSG114, IO14/MSG115, IO14/MSG116, IO14/MSG117, IO14/MSG118, IO14/MSG119, IO14/MSG120, IO14/MSG121, IO14/MSG122, IO14/MSG123, IO14/MSG124, IO14/MSG125, IO14/MSG126, IO14/MSG127, IO14/MSG128, IO14/MSG129, IO14/MSG130, IO14/MSG131, IO14/MSG132, IO14/MSG133, IO14/MSG134, IO14/MSG135, IO14/MSG136, IO14/MSG137, IO14/MSG138, IO14/MSG139, IO14/MSG140, IO14/MSG141, IO14/MSG142, IO14/MSG143, IO14/MSG144, IO14/MSG145, IO14/MSG146, IO14/MSG147, IO14/MSG148, IO14/MSG149, IO14/MSG150, IO14/MSG151, IO14/MSG152, IO14/MSG153, IO14/MSG154, IO14/MSG155, IO14/MSG156, IO14/MSG157, IO14/MSG158, IO14/MSG159, IO14/MSG160, IO14/MSG161, IO14/MSG162, IO14/MSG163, IO14/MSG164, IO14/MSG165, IO14/MSG166, IO14/MSG167, IO14/MSG168, IO14/MSG169, IO14/MSG170, IO14/MSG171, IO14/MSG172, IO14/MSG173, IO14/MSG174, IO14/MSG175, IO14/MSG176, IO14/MSG177, IO14/MSG178, IO14/MSG179, IO14/MSG180, IO14/MSG181, IO14/MSG182, IO14/MSG183, IO14/MSG184, IO14/MSG185, IO14/MSG186, IO14/MSG187, IO14/MSG188, IO14/MSG189, IO14/MSG190, IO14/MSG191, IO14/MSG192, IO14/MSG193, IO14/MSG194, IO14/MSG195, IO14/MSG196, IO14/MSG197, IO14/MSG198, IO14/MSG199, IO14/MSG200, IO14/MSG201, IO14/MSG202, IO14/MSG203, IO14/MSG204, IO14/MSG205, IO14/MSG206, IO14/MSG207, IO14/MSG208, IO14/MSG209, IO14/MSG210, IO14/MSG211, IO14/MSG212, IO14/MSG213, IO14/MSG214, IO14/MSG215, IO14/MSG216, IO14/MSG217, IO14/MSG218, IO14/MSG219, IO14/MSG220, IO14/MSG221, IO14/MSG222, IO14/MSG223, IO14/MSG224, IO14/MSG225, IO14/MSG226, IO14/MSG227, IO14/MSG228, IO14/MSG229, IO14/MSG230, IO14/MSG231, IO14/MSG232, IO14/MSG233, IO14/MSG234, IO14/MSG235, IO14/MSG236, IO14/MSG237, IO14/MSG238, IO14/MSG239, IO14/MSG240, IO14/MSG241, IO14/MSG242, IO14/MSG243, IO14/MSG244, IO14/MSG245, IO14/MSG246, IO14/MSG247, IO14/MSG248, IO14/MSG249, IO14/MSG250, IO14/MSG251, IO14/MSG252, IO14/MSG253, IO14/MSG254, IO14/MSG255, IO14/MSG256, IO14/MSG257, IO14/MSG258, IO14/MSG259, IO14/MSG260, IO14/MSG261, IO14/MSG262, IO14/MSG263, IO14/MSG264, IO14/MSG265, IO14/MSG266, IO14/MSG267, IO14/MSG268, IO14/MSG269, IO14/MSG270, IO14/MSG271, IO14/MSG272, IO14/MSG273, IO14/MSG274, IO14/MSG275, IO14/MSG276, IO14/MSG277, IO14/MSG278, IO14/MSG279, IO14/MSG280, IO14/MSG281, IO14/MSG282, IO14/MSG283, IO14/MSG284, IO14/MSG285, IO14/MSG286, IO14/MSG287, IO14/MSG288, IO14/MSG289, IO14/MSG290, IO14/MSG291, IO14/MSG292, IO14/MSG293, IO14/MSG294, IO14/MSG295, IO14/MSG296, IO14/MSG297, IO14/MSG298, IO14/MSG299, IO14/MSG300, IO14/MSG301, IO14/MSG302, IO14/MSG303, IO14/MSG304, IO14/MSG305, IO14/MSG306, IO14/MSG307, IO14/MSG308, IO14/MSG309, IO14/MSG310, IO14/MSG311, IO14/MSG312, IO14/MSG313, IO14/MSG314, IO14/MSG315, IO14/MSG316, IO14/MSG317, IO14/MSG318, IO14/MSG319, IO14/MSG320, IO14/MSG321, IO14/MSG322, IO14/MSG323, IO14/MSG324, IO14/MSG325, IO14/MSG326, IO14/MSG327, IO14/MSG328, IO14/MSG329, IO14/MSG330, IO14/MSG331, IO14/MSG332, IO14/MSG333, IO14/MSG334, IO14/MSG335, IO14/MSG336, IO14/MSG337, IO14/MSG338, IO14/MSG339, IO14/MSG340, IO14/MSG341, IO14/MSG342, IO14/MSG343, IO14/MSG344, IO14/MSG345, IO14/MSG346, IO14/MSG347, IO14/MSG348, IO14/MSG349, IO14/MSG350, IO14/MSG351, IO14/MSG352, IO14/MSG353, IO14/MSG354, IO14/MSG355, IO14/MSG356, IO14/MSG357, IO14/MSG358, IO14/MSG359, IO14/MSG360, IO14/MSG361, IO14/MSG362, IO14/MSG363, IO14/MSG364, IO14/MSG365, IO14/MSG366, IO14/MSG367, IO14/MSG368, IO14/MSG369, IO14/MSG370, IO14/MSG371, IO14/MSG372, IO14/MSG373, IO14/MSG374, IO14/MSG375, IO14/MSG376, IO14/MSG377, IO14/MSG378, IO14/MSG379, IO14/MSG380, IO14/MSG381, IO14/MSG382, IO14/MSG383, IO14/MSG384, IO14/MSG385, IO14/MSG386, IO14/MSG387, IO14/MSG388, IO14/MSG389, IO14/MSG390, IO14/MSG391, IO14/MSG392, IO14/MSG393, IO14/MSG394, IO14/MSG395, IO14/MSG396, IO14/MSG397, IO14/MSG398, IO14/MSG399, IO14/MSG400, IO14/MSG401, IO14/MSG402, IO14/MSG403, IO14/MSG404, IO14/MSG405, IO14/MSG406, IO14/MSG407, IO14/MSG408, IO14/MSG409, IO14/MSG410, IO14/MSG411, IO14/MSG412, IO14/MSG413, IO14/MSG414, IO14/MSG415, IO14/MSG416, IO14/MSG417, IO14/MSG418, IO14/MSG419, IO14/MSG420, IO14/MSG421, IO14/MSG422, IO14/MSG423, IO14/MSG424, IO14/MSG425, IO14/MSG426, IO14/MSG427, IO14/MSG428, IO14/MSG429, IO14/MSG430, IO14/MSG431, IO14/MSG432, IO14/MSG433, IO14/MSG434, IO14/MSG435, IO14/MSG436, IO14/MSG437, IO14/MSG

[illegible]8GC9A01\PCBA\I1.2\MaTouch ESP32-S3 Rotary IPS I