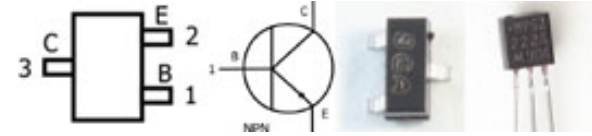




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A new open source hardware project every month



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5 PCBs

5.1 Standard PCB: Credit Card size 85.60 × 53.98 mm

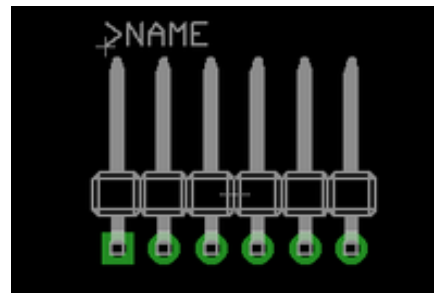
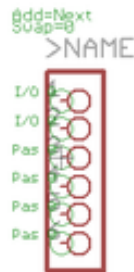
Connectors

1x06 0.1"/2.54mm pitch PTH Header

device: CON_HEADER_1X06

variant: M1X6_MALE_RIGHT_ANGLED

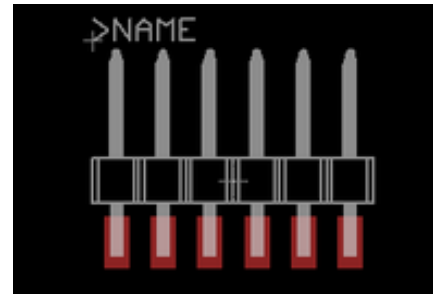
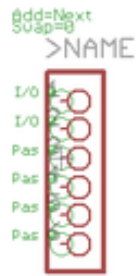
Mfr no: 22-28-8060



variant: M1X6_MALE_RIGHT_ANGLED_SMD

Mfr no: 961106-5500

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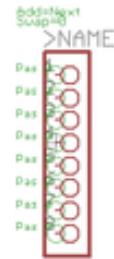


1x08 0.1"/2.54mm pitch SMD Header

device: CON_HEADER_1X08

variant: M1X8_SMD

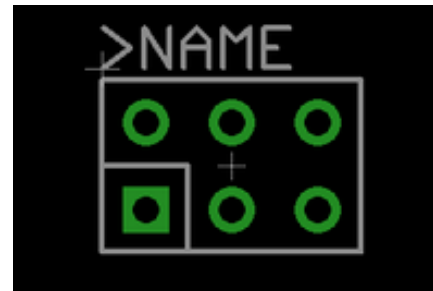
Mfr no: NPTC081KFXC-RC



2x03 0.1" / 2.54 mm pitch Header

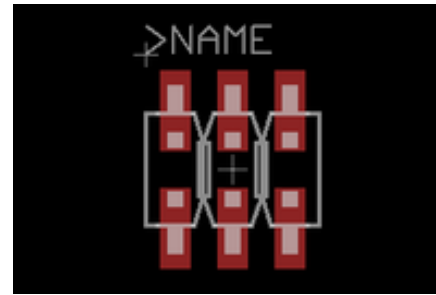
device: CON_HEADER_2X08

variant: M2X3



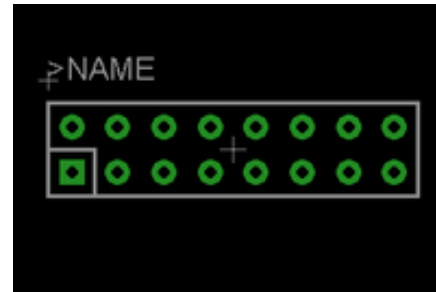
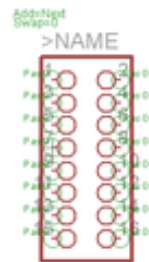
variant: M2X3_SMD

Mfr no: 5-146134-2



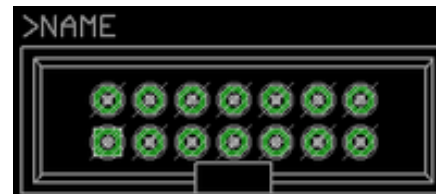
2x08 0.1" / 2.54 mm pitch Header

device: CON_HEADER_2X08



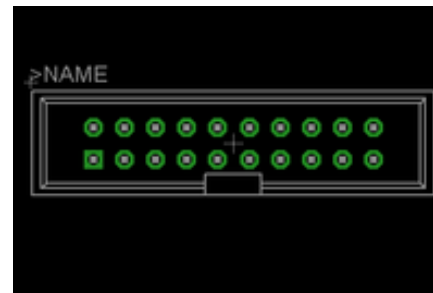
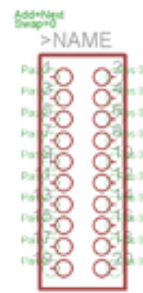
2x07 0.1" pitch shrouded pin header

device: CON_HEADER_2x07



2x10 0.1" / 2.54 mm pitch Shrouded Header

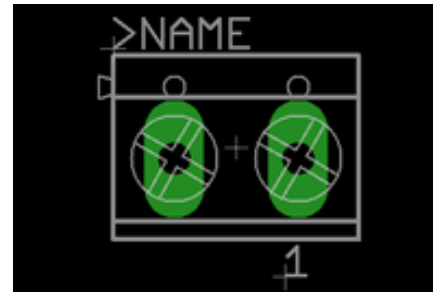
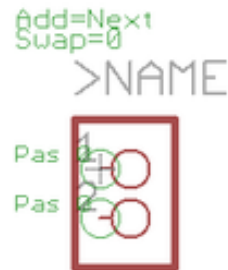
device: CON_HEADER_2X10 (Shrouded variant)



5.0 mm pitch 2 poles wire to board terminal block

device: CON_TERMINAL_BLOCK_02

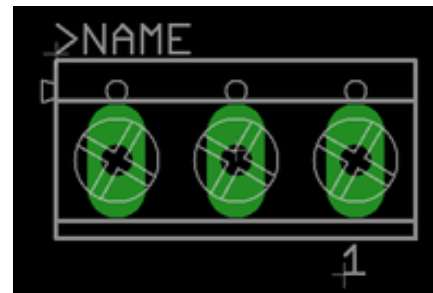
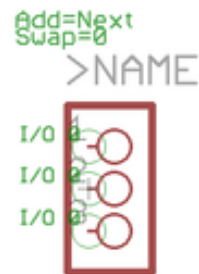
Mfr no: 1776244-2



5.0 mm pitch 3 poles wire to board terminal block

device: CON_TERMINAL_BLOCK_03

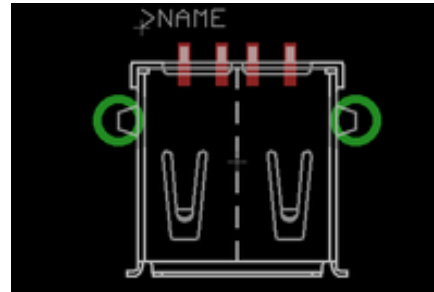
Mfr no: 1776244-3



USB AF SMD

device: CON-USB-F-2PB

Mfr no. AU-Y1006-2-R



2.1mm DC power connector, SMD and PTH

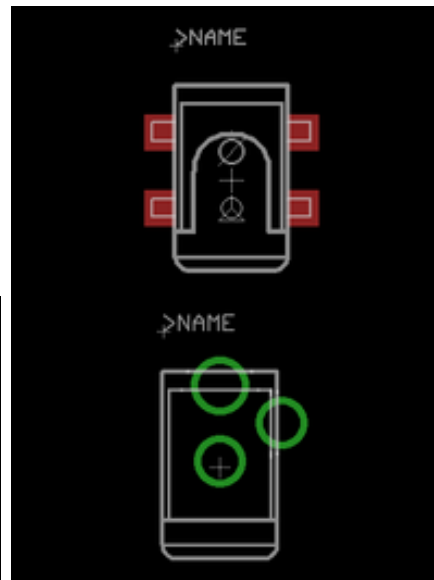
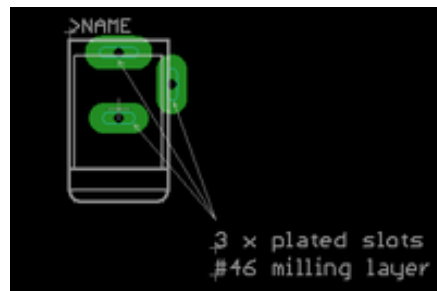
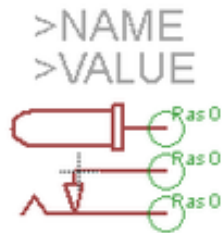
device: CON_DC_M

SMD

Mfr no: PJ-002AH-SMT

PTH

Mfr no: 163-179PH-EX



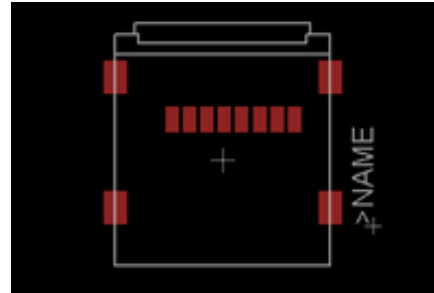
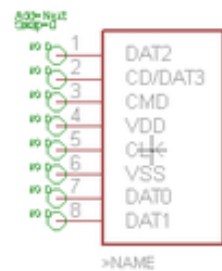
Note: Ask first your board manufacturer before processing the PTH version with milled

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hole pads if it is allowed. [See Crude way of making plated slots](#)

Micro SD socket, fold type

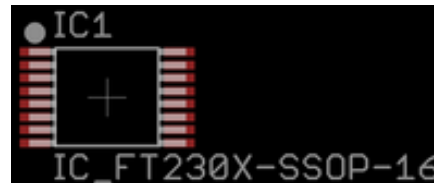
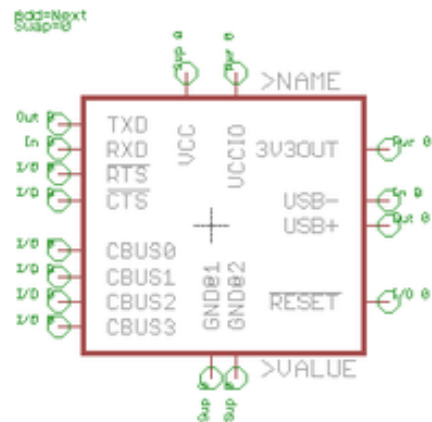
device: CON_MICROSD



Integrated Circuits

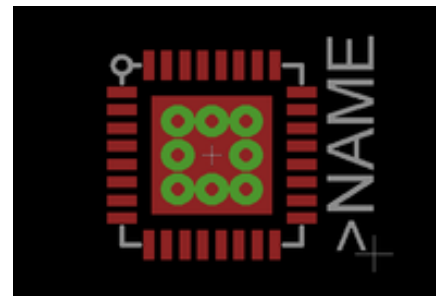
FT230X in SSOP-16 footprint

device: IC_FT230X

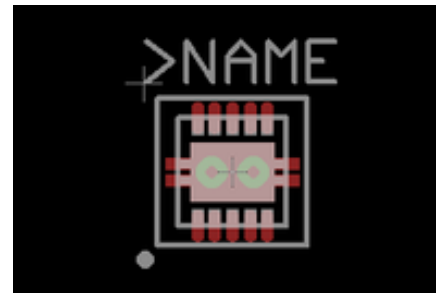


KSZ8851SNL in QFN-32 5x5 footprint

device: IC_KSZ8851SNL

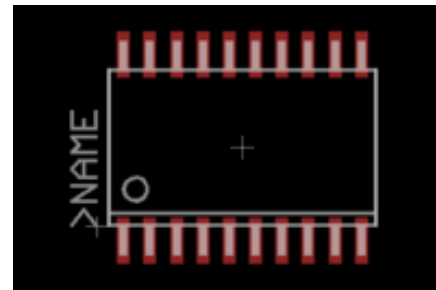


device: IC_TPS6120X



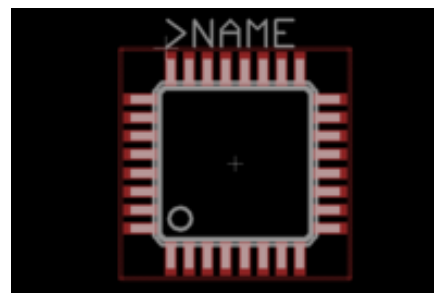
device: IC_74AC573

Mfr No. SN74AC573NSR



device: IC_FT311D

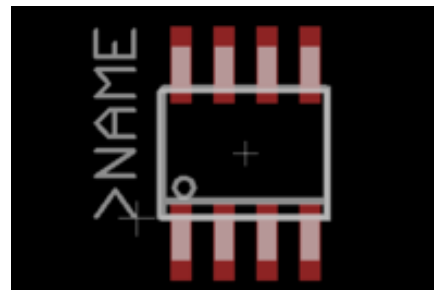
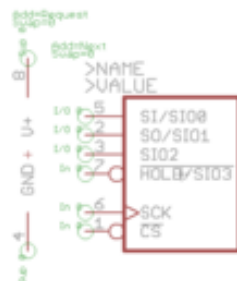
Mfr no: FT311D-32L1C



23LC1024 in SOIC-8

device: IC_MEM_23LC1024

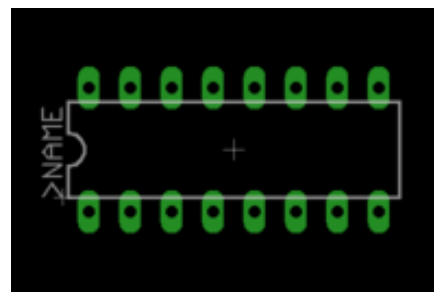
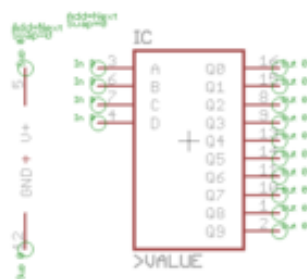
Mfr no: 23LC1024



74141 in DIL-16

device: IC_74141

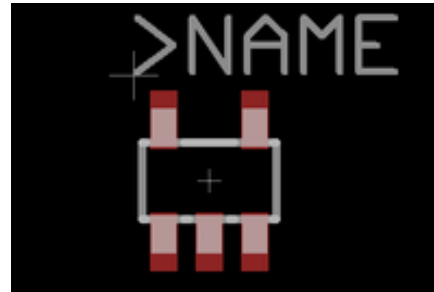
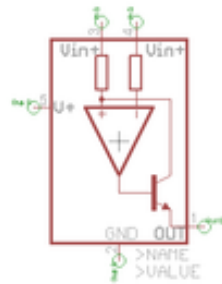
Mfr no: NTE74141



INA138 High Side Current Shunt Monitor

device: IC_INA138

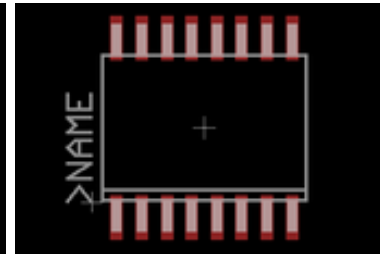
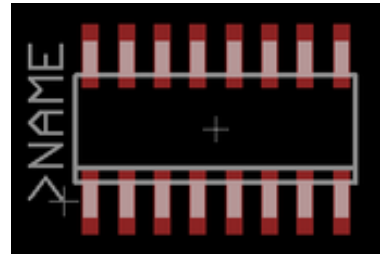
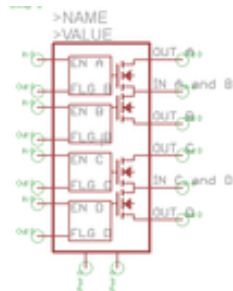
Mfr no: INA138NA/3K



MIC2027 Quad USB Power Distribution Switch, SOIC-16 and SOIC-16W

device: IC_MIC2027

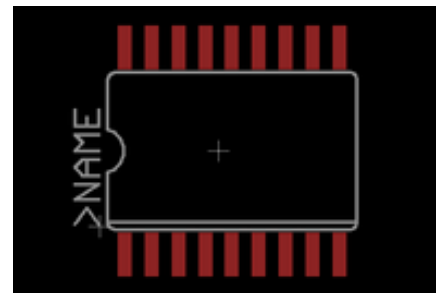
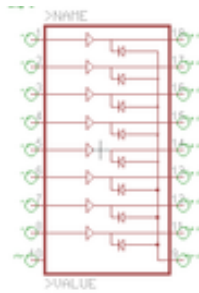
Mfr no: MIC2027-2YM



TD62783 8Ch high voltage source driver

device: IC_TD62783

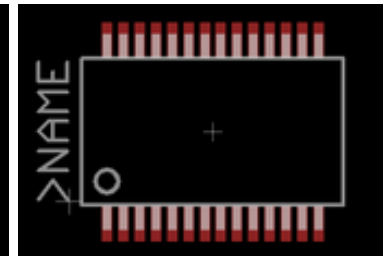
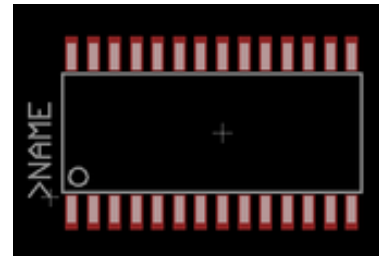
Mfr no: TD62783AFG



PIC24F16KA102 in SOIC-28W and SSOP-28 package

device: IC_UC_PIC24F16KA102

Mfr no: PIC24F16KA102

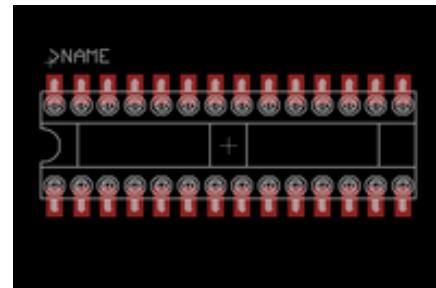
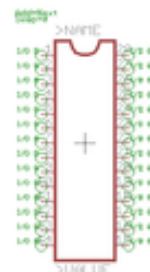


0.1"/2.54mm pitch DIL-28 PTH to SMD socket

device: IC_DIL28

variant: DIL28_SMD

Mfr no: SHD-028-3

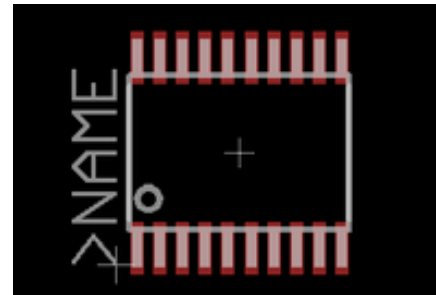
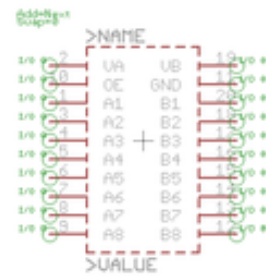


8-Bit bidirectional voltage level translator in TSSOP-20

device: IC_TXB0108

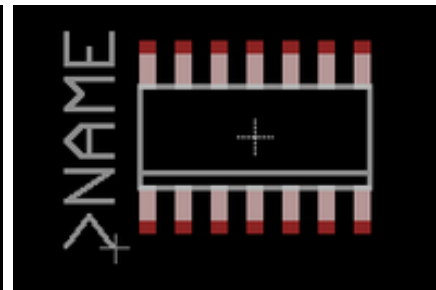
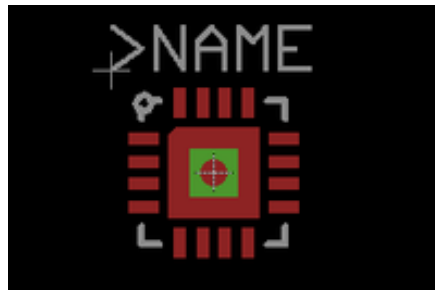
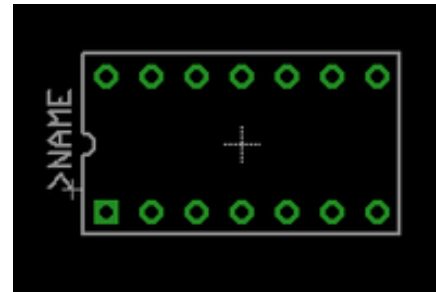
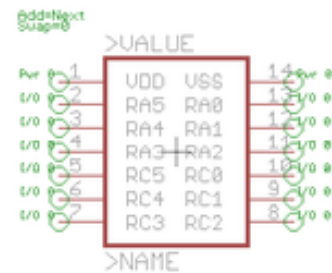
variant: TSSOP-20

Mfr no: TXB0108PWR



PIC16F1823 in DIL-14, QFN-16 and SOIC-14

device: IC_UC_PIC16F1823

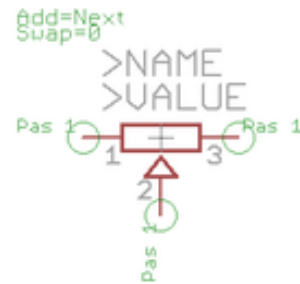


Input and Switches

Trimmer

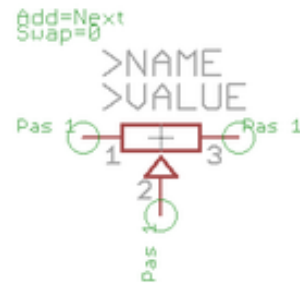
device: TRIMMER

variant: 3306F, PTH



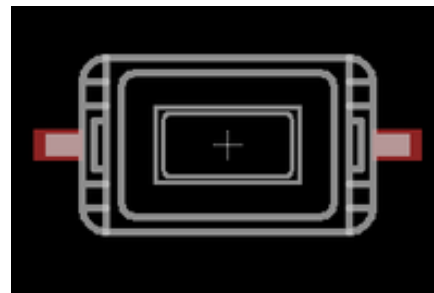
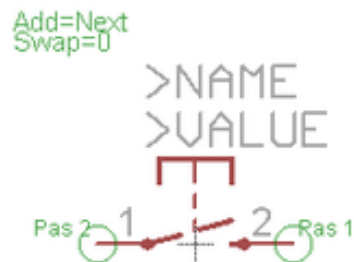
variant: 3314G, SMD

Mfr no. 3314G



3x6 mm 2 pins tactile switch

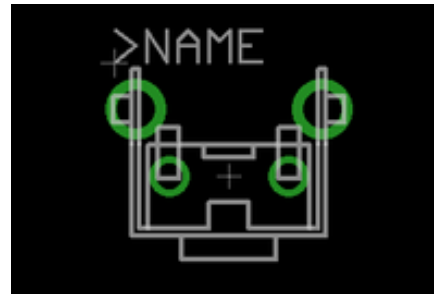
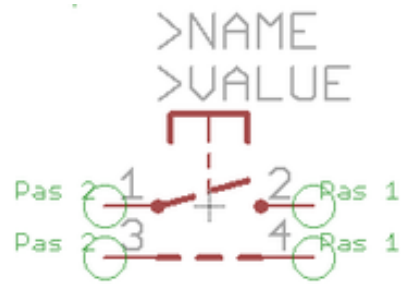
device: SW_TACT_2P



standard 4 pins right angled tactile switch

device: SW_TACT_4P_B

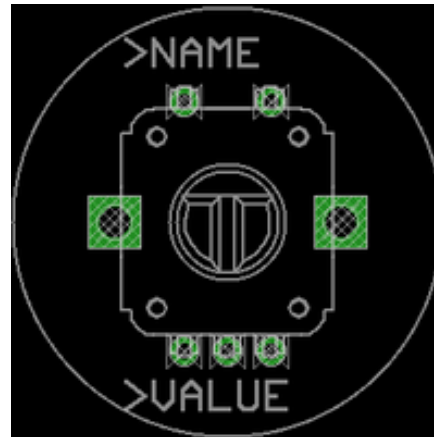
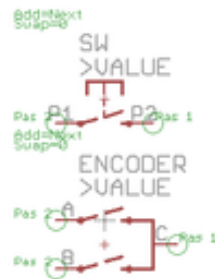
Mfr no. B3F-3100



Incremental encoder with switch PTH

device: ENCODER_SW1

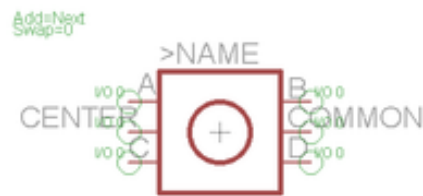
PEC12



4 way + 1 Button Joystick SMD

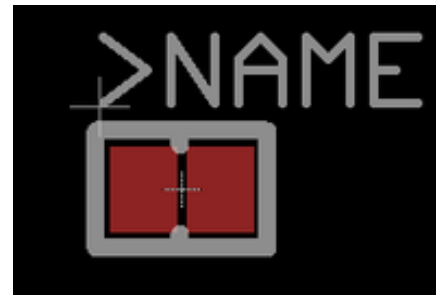
device: JOYSTICK_SF303GJ26-3

Mfr no: SF303GJ26-3



1x2 SMD Solder Jumper

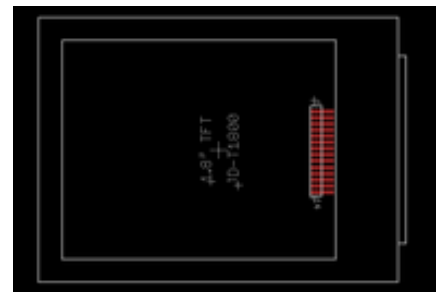
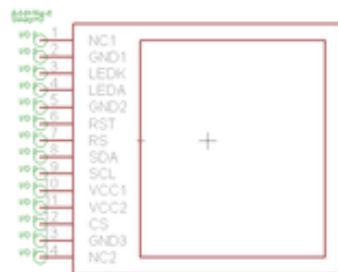
device: JUMPER_SOLDER_1X2



Output and display devices

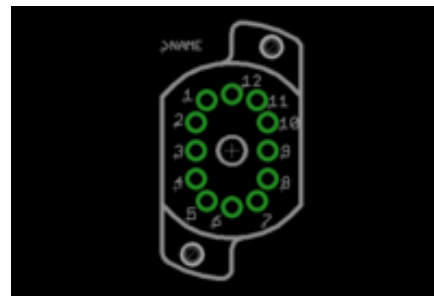
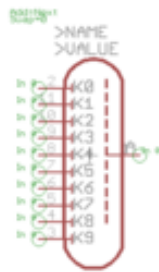
1.8" TFT LCD with SPI interface

device: DISP_TFT18



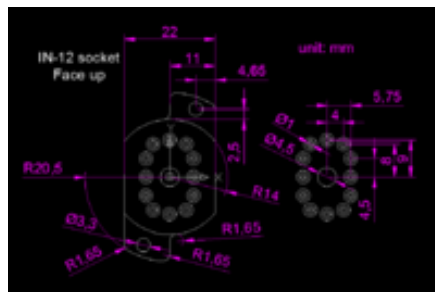
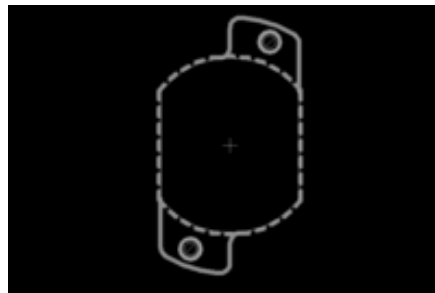
IN-12 Nixie Tube Display

device: DISP_IN12A



IN-12 Socket PCB cut-out

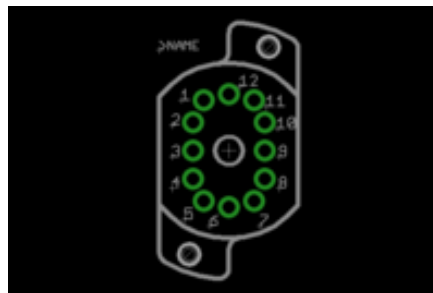
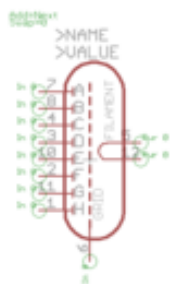
package: DISP_IN-12_SOCKET_CUTOUT



IN-12 Socket Dimension

IV-22 VFD Tube Display

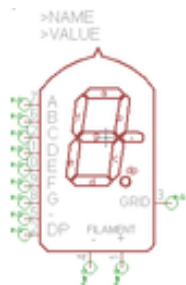
device: DISP_VFD_IV-22



VFD 7-Segment Display Nixie like

device: DISP_D8035E

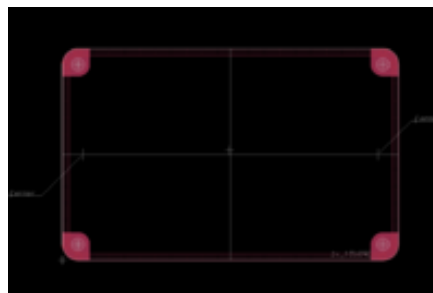
Mfr no: LD8035E



PCBs

Standard PCB: Credit Card size 85.60 × 53.98 mm

device: PCB_DP_RECTANGLE under DP8654



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