

# [MicroSD cards connect to microcontrollers over SPI or SDIO](#)

Category: Electronic

written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 8, 2026



Mbsmpro.com, MicroSD Interface, SPI Wiring, CS MOSI MISO SCK, 3.3V Level Shifter, Pinout, Data Logging

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# [Typical forward voltages vary by LED color](#)

Category: Electronic

written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 8, 2026



Mbsmpro.com, LED Forward Voltage Chart, Red Green Blue White Yellow Orange, Vf Ranges, Resistor Calculation, Driver Selection

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# [AMS1117 Voltage Regulator](#)

Category: Equipment

written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 8, 2026



Mbsmpro.com, AMS1117 Voltage Regulator, Common Mistakes, Thermal Design, 1.2V-5.0V, Decoupling, Layout, Alternatives

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## **Copper Pipe Flaring: Common Mistakes and How to Avoid Them in HVAC and Plumbing Installations**

Category: Refrigeration

written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 8, 2026



Mbsmpro.com, Copper Pipe, Flaring, HVAC, Plumbing, R600a, Mini-Split, Leak Prevention, Soft Copper, Flaring Block, 1/4", 3/8", 1/2", 5/8", Refrigerant Line

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## **Embraco FMXY9C Compressor: R600a, 1/6 HP**

Category: Refrigeration

written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 8, 2026



Mbsmpro.com, Compressor, FMXY9C, Embraco, R600a, 1/6 hp, Cooling, 220-240V, 1Ph 50Hz, LBP, Fullmotion, Inverter,  $-35^{\circ}\text{C}$  to  $-10^{\circ}\text{C}$ , CE UL, Austria

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## **Mechanical Defrost Timer LUFO HPT-02: Wiring**

Category: Refrigeration

written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 8, 2026



The LUFO HPT-02 mechanical timer alternates between defrost and cooling cycles in refrigeration systems. Rated at 120 VAC and 15A, it offers reliable control with a simple 4-terminal wiring setup.

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## **Jiaxipera VTH1113Y Compressor: R600a**

Category: Refrigeration

written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 8, 2026



Jiaxipera VTH1113Y is a high-efficiency inverter compressor using R600a refrigerant. Designed for

LBP applications, it operates on 220-240V and offers quiet, reliable cooling for household refrigerators.

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## [Blue Star Inverter AC Error Codes](#)

Category: Refrigeration

written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 8, 2026



Blue Star inverter ACs display error codes to help technicians diagnose faults quickly. This guide covers models BO-IC312YATU, BO-IC318YBTU, and BO-IC324YATU, offering tables, comparisons, and expert advice.

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## [HVAC Valve Cores](#)

Category: Refrigeration

written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 8, 2026



Excerpt: Valve cores are vital for HVAC and refrigeration systems. This guide explores Schrader valve types, pressure ratings, material choices, and engineering tips for optimal performance and leak prevention.

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# Flaring Tool Guide

Category: Equipment

written by [www.mbsmpro.com](http://www.mbsmpro.com) | January 8, 2026



A bar-type flaring tool is essential for creating leak-proof connections in copper tubing. Its multiple size openings handle various tube diameters, while the adjustable T-handle provides precise control. This guide covers proper technique, common mistakes, and tool selection.