MicroSD cards connect to microcontrollers over SPI or SDIO

Category: Electronic
written by 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 | 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
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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 | 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 | January 8, 2026

Mbsmpro.com, Compressor, FMXY9C, Embraco, R600a, 1/6 hp, Cooling, 220-240V, 1Ph 50Hz, LBP, Fullmotion, Inverter, −35°C to −10°C, CE UL, Austria

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Mechanical Defrost Timer LUFO HPT-02: Wiring

Category: Refrigeration
written by 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.

Jiaxipera VTH1113Y Compressor: R600a

Category: Refrigeration
written by 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.

Blue Star Inverter AC Error Codes

Category: Refrigeration
written by 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.

HVAC Valve Cores

Category: Refrigeration
written by 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.

Flaring Tool Guide

Category: Equipment
written by 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.