

List of Chip Models for Distribution Boxes



Overview

The fields in the table listed below describe the following:

- Model – The marketing name for the processor, assigned by Nvidia.
- Launch – Date of release for the processor.
- Code name – The internal engineering codename for the processor (typically designated by an NVXY name and later GXY where X is the series number and Y is the schedule of the project for that generation).

AI Overview

Distribution boxes commonly use microcontrollers, digital ICs, analog ICs, and programmable logic devices to manage power distribution, monitoring, and control functions.

Common IC Types in Distribution Boxes

- 1. Microcontrollers (MCUs)**
Microcontrollers are widely used in distribution boxes for monitoring, control, and communication. Popular models include: Microchip PIC series (e.g., PIC16F877A, PIC18F45K22) STMicronics STM32 series (e.g., STM32F103, STM32F407) Atmel/AVR series (e.g., ATmega328P, ATmega2560) These MCUs handle tasks such as status monitoring, relay control, and communication with supervisory systems.
- 2. Digital ICs**
Digital ICs perform logic, timing, and signal processing functions: Logic gates (74HC00, 74LS08) for basic control logic Counters and timers (555 timer IC, 74HC393) for timing and sequencing Memory ICs (EEPROM 24C32, SRAM 23K256) for storing configuration or event logs
- 3. Analog ICs**
Analog ICs are used for sensing, signal conditioning, and protection: Operational amplifiers (LM358, TL072) for voltage/current monitoring Voltage regulators (LM7805, LM317) to provide stable supply to internal circuits Current sensors (ACS712, INA219) for load monitoring
- 4. Programmable Logic Devices**
For more complex control and automation: Field-Programmable Gate Arrays (FPGAs) (Xilinx Spartan series, Intel Cyclone series) Programmable Logic Devices (PLDs) for custom logic functions

Application-Sp...

Article Content

Complete Guide For Distribution Boxes Types

Distribution boxes, also known as electrical distribution boards or panels, are pivotal components in electrical systems, ensuring the safe and organized distribution of electrical power throughout

Distribution board

A distribution board (also known as panelboard, circuit breaker panel, breaker panel, circuit breaker, electric panel, fuse box or DB box) is a component of an electricity supply system that divides an

Automotive Power Distribution Unit & Fuse Box Guide

Learn how automotive power distribution units and fuse boxes migrate from fuses and relays to eFuses and smart switches, with channel planning.

SPICE Libraries

The table below showcases a vast resource of SPICE models from reputable manufacturers, streamlining your search process and focusing on designing innovative electronic systems.

10 Distribution Board Types Explained [July 2026]

Discover 10 types of distribution boards, from Main Distribution Boards to Fuse Boxes. Learn about their features, and applications,

Distribution Box

Distribution Box Space and cost saving solution Amphenol LTW's distribution boxes facilitate efficient cable management, easy installation with pre-wired configuration, and provides a centralized

Final Power Distribution Boxes | Product Catalog | CHINT Global

Compact final distribution boxes for safe, accessible, and precise power control across all electrical environments.

Common Electronic Component Package Types

Below is a snippet of common electronic component package types which may help identify the package type when replacing a component or when selecting a package type for new

Distribution Boxes Types - The Complete Guide

The power distribution boxes deliver electricity from the main electrical main to other circuits. Several distribution boxes are designed for specific use in offices or industries. Types of

List of Nvidia graphics processing units

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Ultimate Guide To Distribution Boxes Db Boxes Types Components ...

This ultimate guide explains what a distribution box does, its internal components, common types, real-world applications, and how to select the right DB Box for your project.

IC Package Types Explained: BGA, QFP, 2.5D, 3D IC and Chiplets

Explore all IC package types including BGA, QFP, 3D IC and more. Learn how to choose the best chip package for your system's size, speed, and thermal needs.

What is Distribution Boards and Its Types

Learn about distribution boards, their types, and functions. Explore Schneider Electric's range of DBs for safe and efficient power distribution.

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The International Man's Glossary A-Z: Something about everything!

The International Man's Glossary A-Z: colloquialisms, concepts, explanations, expressions, idioms, quotations, sayings and words.

DigChip IC database

Distributors can add and manage their excess inventory stock. An easy to use online interface is provided to sellers for storing their products, purchasers will be able to contact them.

Distribution Boxes Technical Data

Summary of Changes This publication contains the following new or updated information. This list includes substantive updates only and is not intended to reflect all changes.

List of Automotive Power Distribution Boxes Models & Products

Search our portfolio of Automotive Power Distribution Boxes products and select your specifications. We offer a wide array of reliable and cost-effective products from standard solutions to custom designs.

Distribution Box Guide: Types, Components & Solutions

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find the perfect DB box for your needs.

Panasonic Modular Distribution Boxes

Explore All Models Visit our product page to view all Panasonic Modular Distribution Box models, available in standard and multimedia options, suitable for both surface and flush mounted applications.

Distribution Board for Home & Commercial Space | GM Modular

Power Distribution Board- GM Modular A distribution board is also known as db board or main distribution board is part of an electricity supply system that divides power into smaller circuits. It has

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