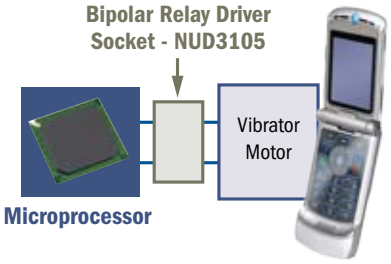
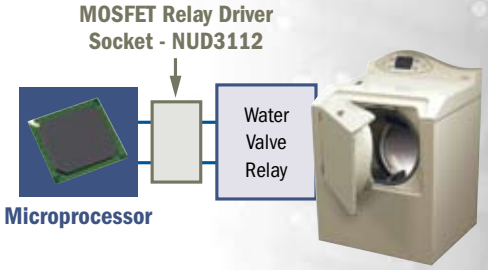
Integrated, Reliable Relay Drive Circuit Selector Guide

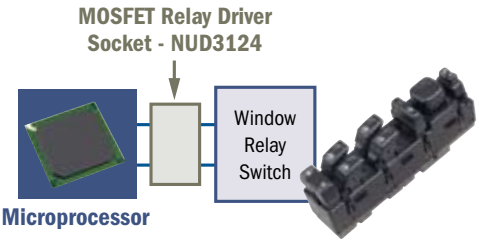
5 V Relay Driver Socket

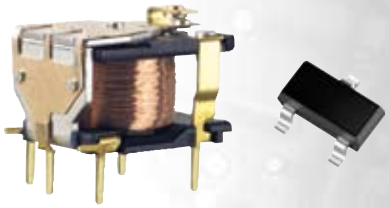


12 V Relay Driver Socket



24 V Relay Driver Socket





Most relays mounted to a PCB require a relay driver circuit!

Features

- Integrates diodes, resistors and capacitors into one circuit
- Delivers additional current to the relay coil and protects against ESD
- Meets IEC61000-4-4 Electrical Fast Transient (EFT) test standards

Applications

Motors and electro-mechanical relays for:

- Automotive windows and door locks
- Consumer appliances, electronics, and toys
- Telecom modems

Available Relay Drive Circuits

Device	Configuration	Circuit Type *	Voltage/Current	Package
MDC3105	Single	Bipolar-Clamp	5 V / 500 mA	SOT-23
MDC3105D	Dual	Bipolar-Clamp	5 V / 500 mA	SC-74
NUD3105	Single	MOSFET	5 V / 500 mA	SOT-23
NUD3105D	Dual	MOSFET	5 V / 500 mA	SC-74
NUD3112	Single	Bipolar-Freewheeling	12 V / 500 mA	SOT-23
NUD3112D	Dual	Bipolar-Freewheeling	12 V / 500 mA	SC-74
NUD3124	Single	MOSFET	24 V / 150 mA	SOT-23
NUD3124D	Dual	MOSFET	24 V / 150 mA	SC-74
NUD3160	Single	MOSFET	60 V / 150 mA	SOT-23
NUD3160D	Dual	MOSFET	60 V / 150 mA	SC-74
NUD3048	Single	MOSFET	100 V / 900 mA	SC-74

* **Bipolar**: the driver circuit consists of a transistor combined with resistors and diodes.
MOSFET: the driver circuit consists of a MOSFET combined with resistors and diodes.

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