

Manage four-power supplies for space constrained applications

- ✓ **Flexible design with NJW4750 mount on smallest PCB**
PCB: 16x18mm
- ✓ **Control four-Power units**
Propose wide variety of connections
- ✓ **Wide Input Range: 40V**
Can direct connection to 24V supply-line

■ Why does above matter?

The package of **NJW4750** is small EQFN26-HH, 3.4x2.6mm =8.84mm², the PCB mount example is 16x18mm, that is ideal for space constrained applications, like smallest opto-sensor and camera application of industrial field.

The NJW4750 manages independent four-power supplies and provide wide variety of connection examples include selectable-regulator can select either synchronous buck converter or LDO. Furthermore, the NJW4750 allow the 40V input, thus allow direct connect 24V supply-line and reduce any protection circuits.

These excellent performances of the **NJW4750**, it's suitable for tiny camera application or industrial equipment.

■ Features

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| <ul style="list-style-type: none"> ▶Includes four-regulators; <ul style="list-style-type: none"> Ch1: Wide input range buck converter Ch2: Low voltage synchronous buck converter Ch3: Selectable regulator
(Synchronous buck converter or LDO) Ch4: LDO ▶Current mode control buck converters ▶Wide operating input voltage range:
Ch1: 3.9V (UVLO ON: 3.6V) to 40V | <ul style="list-style-type: none"> ▶Anti-phase operation between Ch1 and Ch2/3 ▶Operating temperature range: -40 to 125°C ▶Soft start function ▶UVLO (Under Voltage Lockout) ▶Selectable Over current protection ▶Thermal shutdown ▶Individual Power Good Function
and Standby Function |
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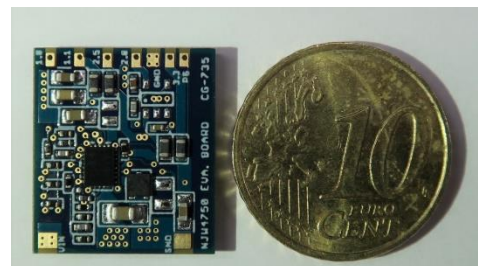
▶[datasheet Link](#)



■ PCB mount Example

NJW4750MHH:

- ▶Package: EQFN26-HH, 3.4x2.6mm
- ▶Direct connection to 24V supply-line
(Wide Input Range: 40V)
- ▶Depend on PCB layer, and mounted components
- ▶Mounted area of this photo: 14 x 15mm



* All information, specifications and product descriptions in this document are subject to change at any time, without prior notice.
* Contact your local NJR office or your distributor to obtain the latest specifications before placing your product order.



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