## **Powered Relay Board Application Summary**

**AC load** 

**DC load** 

**Resistive Load** 

down to 10uA

**Current Rating** 

989-671-9721

**Status** 

Link

**Low-current loads** 

**Motor Load Rating** 

**Capacitive Load Inrush** 



Winford Engineering offers several different series of relay bo	ards within the RLY line.
Which option do I choose for my application?	

Which option do I choose for my application?			
Series	RLY102 (2 ch)	RLY202 (2 ch)	

YES

YES

YES

Up to 1/3 HP

TV-5

Not for new designs

(replaced by RLY202 / RLY204)

**RLY102** 

**RLY104** 

williold Eligineering Otters several different series of relay boards within the INET line.			
Which option do I choose for my application?			
Series	RLY102 (2 ch)	RLY202 (2 ch)	



RLY304 (4 ch)

YES

YES

YES

YES

Active

**RLY302** 

**RLY304** 

RLY404 (4 ch)

YES

YES

YES

Up to 1 HP

TV-8

Active

**RLY402** 

**RLY404** 

sales@winford.com

Winford Engineering offers several different series of relay boards within the RLY line. Which option do I choose for my application?				
Series	RLY102 (2 ch)	RLY202 (2 ch)	RLY302 (2 ch)	

YES

YES

YES

Up to 1/3 HP

TV-5

Active

**RLY202** 

**RLY204** 

Winford Engineering, LLC

Which option do I choose for my application?			
Series	RLY102 (2 ch)	RLY202 (2 ch)	

RLY104 (4 ch) RLY204 (4 ch)



**RLY404** 

AC motors up to 1 HP

Resistive: AC or DC

1 Form C (SPDT)

5V, 12V, 24V (DC)

20A @ 192VAC

10A @ 250VDC

Silver Tin Oxide (AgSnO<sub>2</sub>)

Toshiba TBD62064APG

Logic High: 2.5V to 25V

Logic Low: 0.0V to 0.6V

sales@winford.com

0.6mA @ 5.0V

SOP: October 2018

100mA

Motor, 125 VAC: 1 HP

Motor, 250 VAC: 1 HP

Picker PC520-1C-xxST-X

<b>Powered Relay Board</b>	Detailed Summary
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**RLY104** 

General-purpose applications and

small AC motors up to 1/3 HP

Panasonic ALZ12Fxx

Resistive: AC or DC

1 Form C (SPDT)

5V, 12V, 24V (DC)

15A @ 250VAC

15A @ 25VDC

100mA

Motor, 120 VAC: 1/3 HP

Motor, 240 VAC: 1/4 HP

Silver Tin Oxide (AgSnO<sub>2</sub>)

Logic High: 2.7V to 25V

Logic Low: 0.0V to 0.7V

Toshiba ULN2803AP

1.95mA @ 5.0V

Not for new designs.

(Replaced by RLY20x)

RLYx04 = 4 channels

**Target Applications** 

Relay Mfr / part no.

**Contact Arrangement** 

(for Normally Open contact)

Coil Voltages Available (DC)

Min Contact Current Req'd

Contact Material

989-671-9721

Relay Driver IC

Status

Max Contact Switching Current

Input Control Signal Voltage Ranges

Input Control Signal Current

Load Type

Powered Relay Board Detailed Summary			INFU	
RLYx02 = 2 channels	RLY102	RLY202	RLY302	RLY402

Panasonic ALZ12Fxx

Resistive: AC or DC

1 Form C (SPDT)

5V, 12V, 24V (DC)

15A @ 250VAC

15A @ 25VDC

0.6mA @ 5.0V

Active

100mA

Motor, 120 VAC: 1/3 HP

Motor, 240 VAC: 1/4 HP

Silver Tin Oxide (AgSnO<sub>2</sub>)

Toshiba TBD62064APG

Logic High: 2.5V to 25V

Logic Low: 0.0V to 0.6V

Winford Engineering, LLC

General-purpose applications and

small AC motors up to 1/3 HP

**RLY204 RLY304** 

acquisition

Panasonic DS1F-S-DCxxV

Resistive: AC or DC

1 Form C (SPDT)

5V, 12V, 24V (DC)

Silver + Gold clad (Ag + Au)

Toshiba TBD62064APG

Logic High: 2.5V to 25V

Logic Low: 0.0V to 0.6V

0.6mA @ 5.0V

SOP: August 2018

2A @ 62.5VAC

2A @ 30VDC

10uA

Low-level signal switching and data General-purpose applications and