



File No.:E75887



FEATURES

- 2 pole, 3 pole and 4 pole contact arrangement is available
- Many types of terminal style
- Transparent dust-proof cover, variety of installation methods

CONTACT RATINGS

Contact Arrangement	2C, 3C	4C
Contact Resistance	≤50mΩ (1A 24VDC)	
Contact Material	AgSnO, Silver Alloy	
Contact Rating(Resistive)	5A/240VAC	3A/240VAC
Max. Switching Voltage	240VAC	
Max. Switching Current	5A	3A
Max. Switching Power	1200VA	720VA
Mechanical Life	2×10 ⁷ operations	
Electrical Life	See more details at "safety approval ratings"	

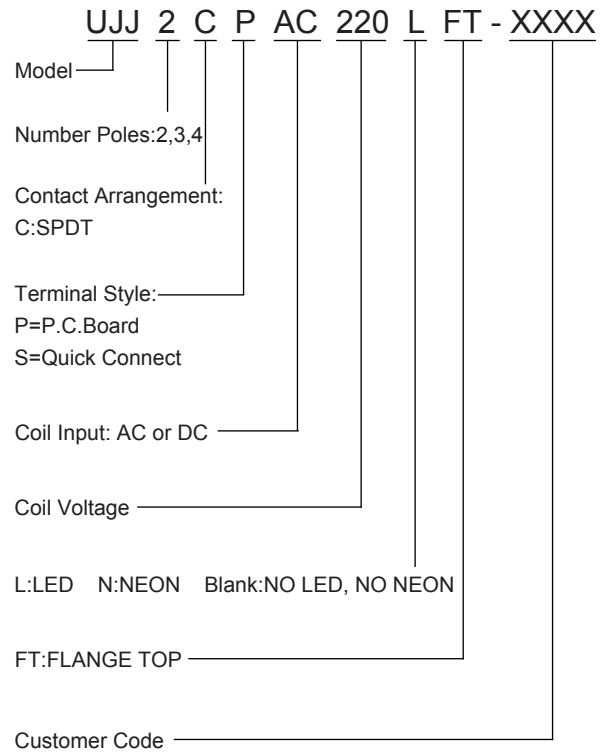
CHARACTERISTICS

Insulation Resistance	1000MΩ (at 500VDC)	
Dielectric Strength	Between coil & contacts	2000VAC 1min
	Between open contacts	1000VAC 1min
	Between contacts sets	1000VAC 1min
Operate time (at nomi. volt.)	≤20ms	
Release time (at nomi. volt.)	≤20ms	
Humidity	35% ~ 85% RH	
Operation temperature	-40°C~+85°C	
UL Class B	Insulation System Class B	
Shock Resistance	Functional	98m/s ²
	Destructive	980m/s ²
Vibration resistance	10Hz ~ 55Hz 1mm DA	
Unit weight	Approx. 37g	
Construction	Dust Cover Type	

Notes:1) The data shown above are initial values.

2) Please find coil temperature curve in the characteristic curves.

ORDERING INFORMATION



Notes:

1. PC board assembled with dust cover type and flux tight type relays can not be washed and/or coated.
2. Dust cover type and flux tight type relays can not be used in the environment with dust, or H₂S, SO₂, NO₂ or similar gaseous environment etc.

This datasheet is for customers' reference. All the specifications are subject to change without notice.



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RELAYS

COIL DATA

at 25°C

DC

Nominal Voltage VDC	Operate Voltage (Max.) VDC	Release Voltage (Min.) VDC	*Max. Allowable Voltage VDC	Coil Resistance $\Omega \pm 10\%$
5	3.75	0.5	5.5	27.5
6	4.5	0.6	6.6	40.0
12	9.0	1.2	13.2	180
24	18.0	2.4	26.4	630
48	36.0	4.8	52.8	2600
110	82.5	11.0	121.0	11000

AC

Nominal Voltage VAC	Operate Voltage (Max.) VAC	Release Voltage (Min.) VAC	*Max. Allowable Voltage VAC	Coil Resistance $\Omega \pm 10\%$
6	4.8	1.8	6.6	11.5
12	9.6	3.6	13.2	40.0
24	19.2	7.2	26.4	180
48	38.4	14.4	52.8	600
120	96.0	36.0	132.0	3900
220	176.0	66.0	242.0	13000

Note: **Max Allowable Voltage**: The relay coil can endure max allowable voltage for a short period time only.

COIL

Coil Power	DC:900mW~1100mW
	AC:1.2VA~1.8VA

SAFETY APPROVAL RATINGS

UL&CUL	UJJ 2/3	N.O./N.C.:5A 240VAC, 6×10 ³ OPS
	UJJ 4	N.O./N.C.:3A 240VAC, 85°C, 6×10 ³ OPS

NOTES:

1. All values without specified temperature are at 25°C.
2. The above lists the typical loads only. Other loads may be available upon request.

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RELAYS

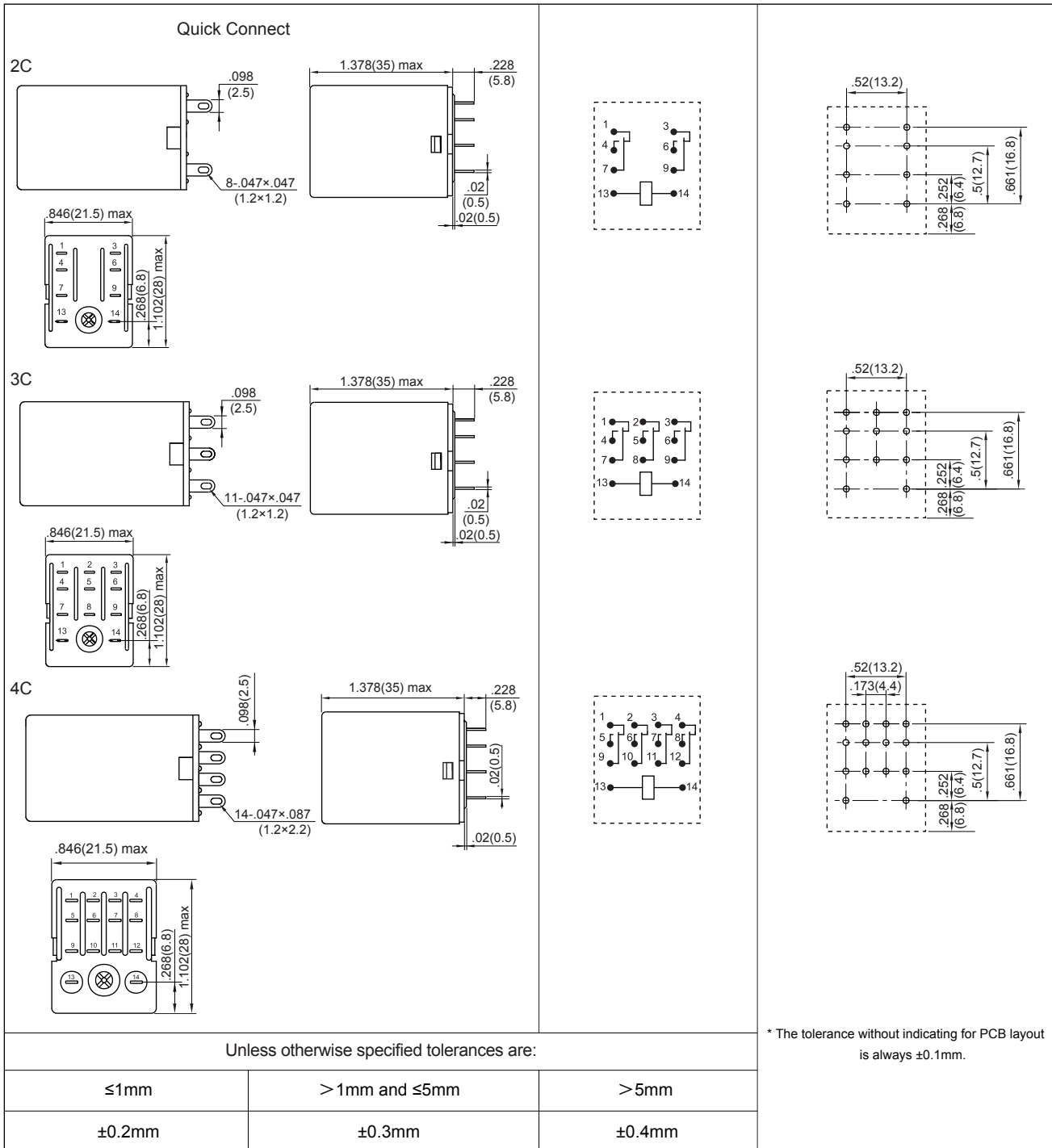
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT.

Unit: inch(mm)

Outline Dimensions

Wiring Diagram (Bottom view)

Layout (Bottom view)



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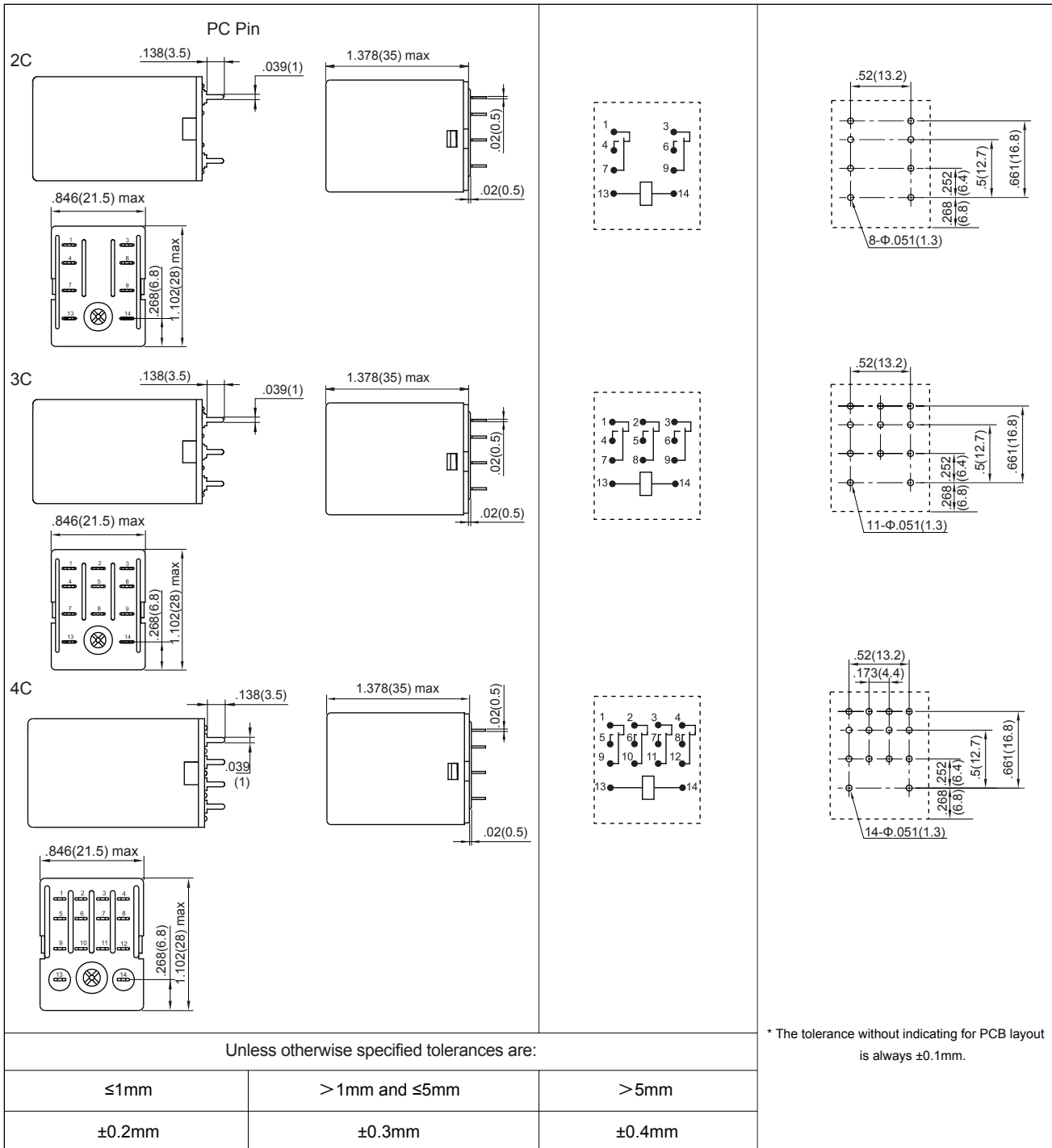
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT.

Unit: inch(mm)

Outline Dimensions

Wiring Diagram (Bottom view)

PCB Layout (Bottom view)



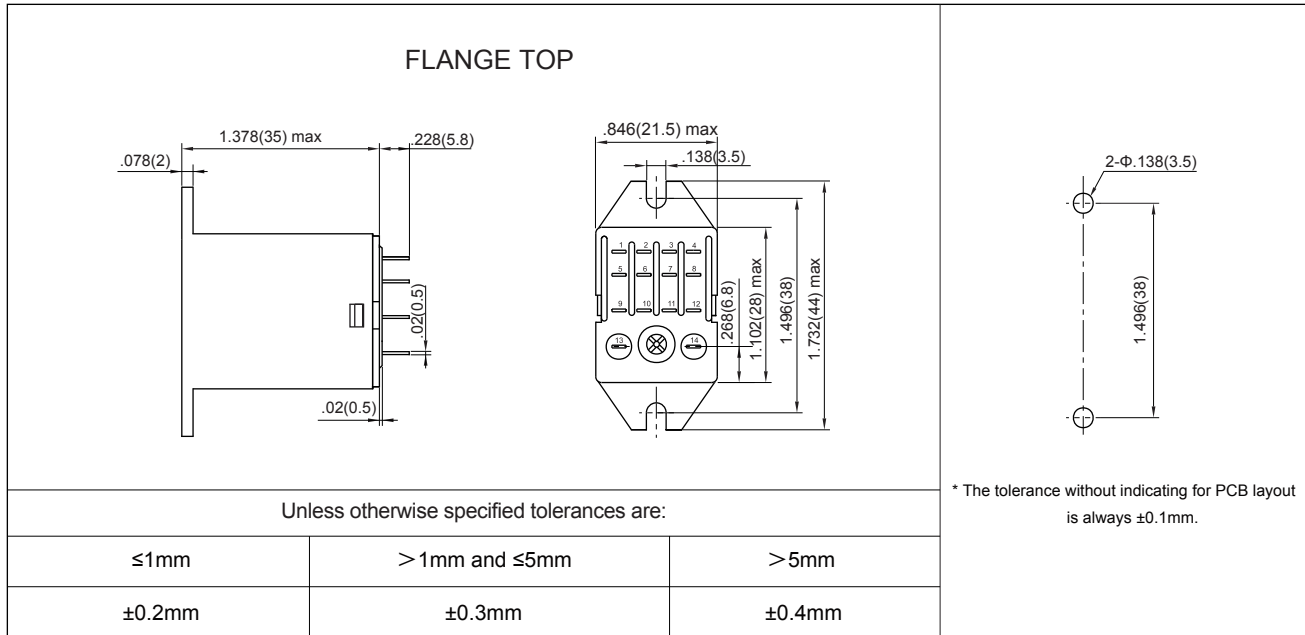
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OUTLINE DIMENSIONS AND PC BOARD LAYOUT.

Unit: inch(mm)

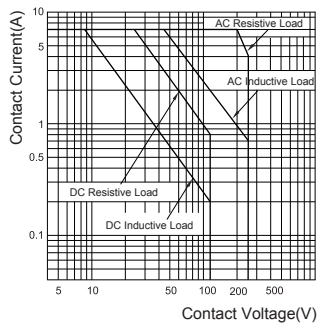
Outline Dimensions

PCB Layout (Bottom view)

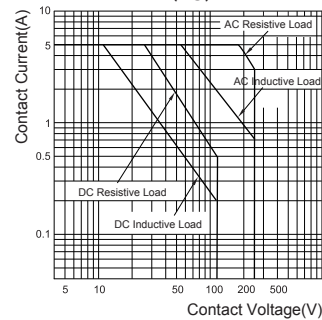


CHARACTERISTIC CURVES

MAXIMUM SWITCHING POWER
(2C,3C)



MAXIMUM SWITCHING POWER
(4C)



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PACKAGING SPECIFICATION

PAPER BOX	OUTER CARTON	OUTER CARTON SIZE
20PCS	600PCS	L495mm*W315mm*H245mm

APPLICATION GUIDELINES

Automatic Soldering

- * Flow solder is the optimum method for soldering.
- * Adjust the level of solder so that it does not overflow onto the top of the PC board.
- * Unless otherwise specified, solder under the following conditions depending on the type of relay.

Preheat time 20°C-100°C	Rising slope 20°C-120°C	Decreasing slope Peak-150°C	Welding temperature 255°C-265°C
90±5 seconds	<3°C/s	<4°C/s	3~5s

Hand Soldering

- * Keep the tip of the soldering iron clean.

Solder Iron	30W or 60W
Iron Tip Temperature	Approx. 350°C 662°F
Solder Time	Within approx. 3 seconds

- * Immediate air cooling is recommended to prevent deterioration of the relay and surrounding parts due to soldering heat.
- * Although the sealed type relay can be cleaned, avoid immersing the relay into cold liquid (such as washing solvent) immediately after soldering. Doing so may deteriorate the sealing performance.

Discard the dropped product

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