Change notice

7850 East Gelding Drive • Scottsdale, AZ 85260-3420

Series effected: UB2 series illuminated pushbuttons and indicators, Super Bright Blue LED type (code 6G)

This change notice applies to all parts numbers within listed below:

Part Number (UB2 illuminated pushbuttons)		Part Number (UB2 illuminated indicators)
UB215KKG016G	UB225KKG016G	UB201KW036G
UB215KKG016G-1JB	UB225KKG016G-1JB	UB201KW036G-1JB
UB215KKG016G-3JB	UB225KKW016G	UB201KW036G-2B
UB215KKW016G	UB225KKW016G-1JB	UB201KW036G-3JB
UB215KKW016G-1JB	UB225KKW016G-3JB	UB204KW036G
UB215SKG036G	UB225SKG036G	UB204KW036G-1JB
UB215SKG036G-1JB	UB225SKG036G-1JB	UB204KW036G-3JB
UB215SKG036G-2B	UB225SKW036G	
UB215SKG036G-3JB	UB225SKW036G-1JB	
UB215SKW036G	UB226KKG016G	
UB215SKW036G-1JB	UB226KKG016G-1JB	
UB215SKW036G-3JB	UB226KKG016G-3JB	
UB216KKG016G	UB226KKW016G	
UB216KKG016G-1JB	UB226KKW016G-1JB	
UB216KKW016G	UB226KKW016G-3JB	
UB216KKW016G-1JB	UB226SKG036G	
UB216KKW016G-2B	UB226SKG036G-1JB	
UB216SKG036G	UB226SKW036G	
UB216SKG036G-1JB	UB226SKW036G-1JB	
UB216SKG036G-3JB		
UB216SKW036G		
UB216SKW036G-1JB		

Notes

- List of affected part numbers that NKK Switches of America has sold for the last three years. Inactive part numbers do not appear on this list.

NKK Switches notifies that Super Bright Blue LED used on above listed part numbers will be changing. The change will effect on both the electrical specifications and the LED terminal dimension and plating. The specification comparison is mentioned on Page 2 and 3. This change will be applied from **September 2022** production.

Sincerely

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Date: 09/02/2022

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Figure 1, Comparison of Electric specifications of Super Bright Blue LED

CHANGES TO SPECIFICATIONS FOR SUPER BRIGHT BLUE LED

The electrical specifications shown are determined at a basic temperature of 25°C. Polarity marks are on bottom of switch. The LED is an integral part of the switch and not available separately.

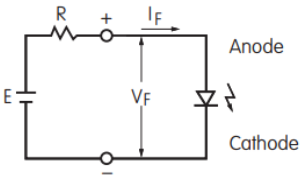
Super Bright LEDs are Electrostatic Sensitive

ATTENTION ELECTROSTATIC SENSITIVE DEVICES

		Before Change 6G	After Change 6G
Maximum Forward Current	I_{FM}	30mA	30mA
Typical Forward Current	I_F	20mA	20mA
Forward Voltage	V_F	3.6V	2.9V
Maximum Reverse Voltage	V_{RM}	5V	5V
Current Reduction Rate Above 25°C	ΔI_F	0.50mA/℃	0.33mA/℃
Ambient Temperature Range		–25°C ~ +50°C	–25°C ~ +50°C

Notes

- The LED circuit is isolated and requires an external power source.
- For best results and safe use of the LEDs, the supply voltage should be more than the LED forward voltage. In addition, an appropriately valued ballast resistor should be used. Without the ballast resistor, the LED will be damaged or destroyed. The resistor value can be calculated by using the formula shown here.



$$R = \frac{E - V_F}{I_F}$$

Where: R = Resistor Value (Ohms)
E = Source Voltage (V)
V_F = Forward Voltage (V)
I_F = Forward Current (A)

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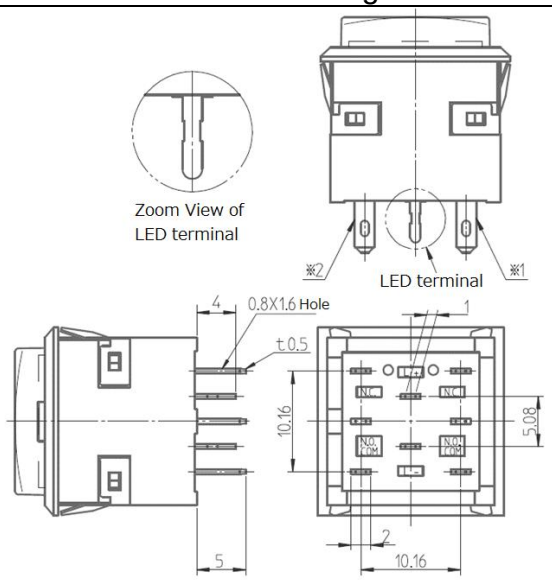
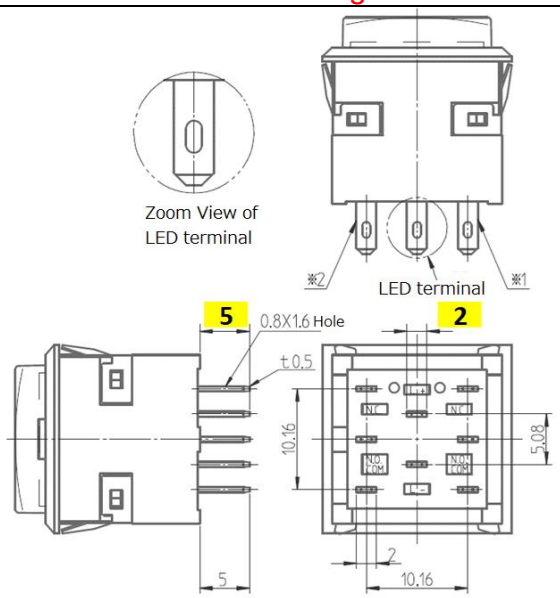
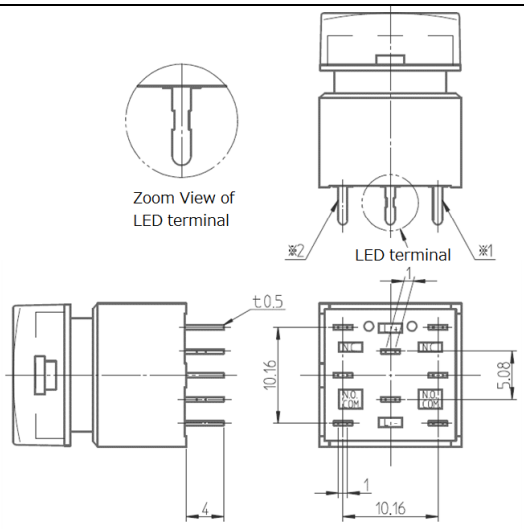
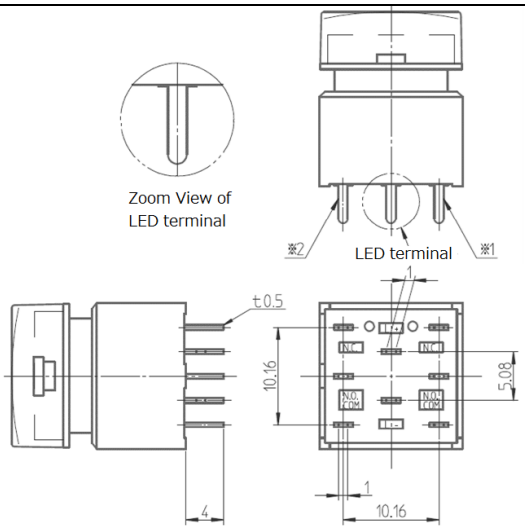
Figure 2, Comparison of LED terminal dimension

	Before Change	After Change
Solder lug models (Terminal code “01”)		
Straight PC Terminal models (Terminal code “03”)		
Plating	Tin Plating	Silver plating

Notes

- The above drawings are described in metric [mm]
- UB2 Single pole illuminated pushbuttons doesn’t have ＊1 terminals
- UB2 Indicator models doesn’t have ＊1 and ＊2 terminals
- Contact NKK Switches (engineering@nkkswitches.com) for further questions.

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