# Supplement | Accessories

## General Specifications

#### **Electrical Capacity (Resistive Load)**

Power Level (silver): 3A @ 125V AC or 3A @ 250V AC or 3A @ 30V DC

Logic Level (gold): 0.4VA maximum @ 28V AC/DC maximum

(Applicable Range 0.1mA ~ 0.1A @ 20mV ~ 28V)

#### Other Ratings

Contact Resistance: 50 milliohms maximum for silver; 100 milliohms maximum for gold

Insulation Resistance: 200 megohms minimum @ 500V DC

**Dielectric Strength:** 1,000V AC minimum between contacts for 1 minute minimum;

1,500V AC minimum between contacts & case for 1 minute minimum

**Mechanical Life:** 1,000,000 operations minimum for momentary circuit

200,000 operations minimum for maintained circuit

**Electrical Life:** 100,000 operations minimum

**Nominal Operating Force:** Single pole: 1.5N Double pole: 3.0N

Nonshorting (break-before-make) **Contact Timing:** 

> Travel: Pretravel .059" (1.5mm); Overtravel .059" (1.5mm); Total Travel .118" (3.0mm)

#### Materials & Finishes

Black: Glass fiber reinforced polyamide (UL94V-0); Bezel:

Chrome plated: Chrome plating over ABS resin (UL94V-2)

Glass fiber reinforced polyamide (UL94V-0) Housing: Glass fiber reinforced polyamide (UL94V-0) Base:

**Movable Contactor:** Phosphor bronze with silver or gold plating **Movable Contacts:** Silver alloy or copper with gold plating **Stationary Contacts:** Silver alloy or copper with gold plating Phosphor bronze with tin plating **Switch Terminals: Lamp Terminals:** Phosphor bronze with tin plating

#### **Environmental Data**

-25°C through +50°C (-13°F through +122°F) for Illuminated **Operating Temperature Range:** 

-25°C through +70°C (-13°F through +158°F) for Nonilluminated

**Humidity:** 90 ~ 95% humidity for 240 hours @ 40°C (104°F)

Vibration: 10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range & returning

in 1 minute; 3 right angled directions for 2 hours

50G (490m/s<sup>2</sup>) acceleration (tested in 6 right angled directions, with 5 shocks in each direction) Shock:

Sealing: IP65 of IEC60529 standard

#### Installation

0.785Nm (6.95 lb•in) maximum **Mounting Torque:** 

**Soldering Time & Temperature:** Manual Soldering: See Profile A in Supplement section.

#### Standards & Certifications

Flammability Standards: UL94V-0 housing, base & black bezel

File No. E44145 - Recognized only when ordered with marking on switch.

Add "/CUL" before first dash in part number to order cULus marking on switch.

All solder lug models recognized at 3A @ 125/250V AC or 0.4VA @ 28V AC/DC maximum.



## Distinctive Characteristics

24mm square and 25mm diameter pushbuttons with the shortest above-panel dimension (1.8mm) in the industry for splashproof design.

Meets IP65 of IEC60529 standards (similar to NEMA 4 and 13), providing dust tight and splashproof panel seal protection.

Tamper resistant 18mm square and 19mm diameter actuators.

Short body of .965" (24.5mm) conserves behind-panel space.

Distinctive long stroke and light touch actuation for clear indication of circuit status.

Choice of cap colors includes clear, brushed chrome, red, green, or yellow, for enhanced panel appearance. Metallic silver cap option has bright ring illumination (round only). Unbrushed chrome has the look of stainless steel when nonilluminated, and LED color or legends when illuminated.

Brilliant illumination with multiple LED colors.

Bezel color options in black or brushed chrome.

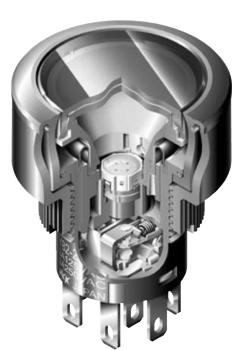
Brushed chrome option is lighter weight than actual metal switches due to metal plating on resin.

Available in momentary and alternate action with latchdown.

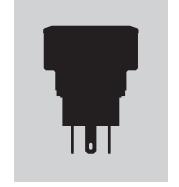
Crisp actuation and clear circuit status provided by snap-action contact mechanism. Arc barrier protects against crossover.

Combination solder lug and .110" quick connect terminals. Terminals are epoxy sealed to lock out flux, dust, solvents, and other contaminants, as well as to secure terminals and improve contact stability.

Custom legends on actuator or inserts.

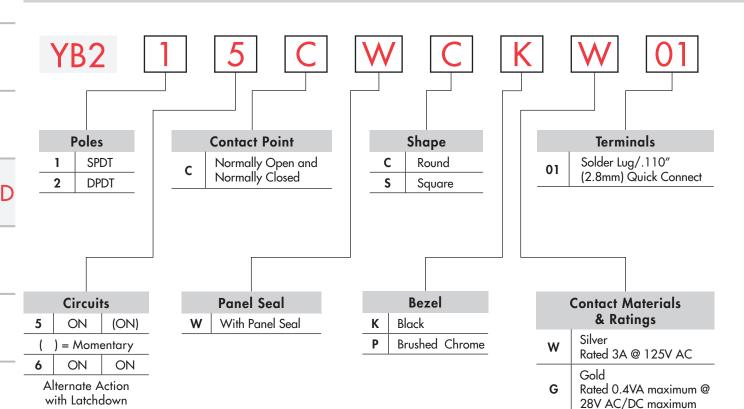








**TYPICAL SWITCH** 



#### **IMPORTANT:**



Switches are supplied without cULus marking unless specified. cULus recognized only when ordered with marking on the switch. Specific models, ratings, and ordering instructions are noted on General Specifications page.

#### **DESCRIPTION FOR TYPICAL ORDERING EXAMPLE**

YB215CWCKW01-6B-JB





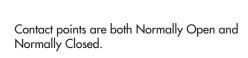
**LEDS Cap Types & Colors Bright LED Lens/Diffuser Colors** Clear/White **LED Colors** Resistor JB Metallic Silver Cap/Clear Ring No Resistor No 5C Red JS (not for (Round only) Code Green) CB Red/White 5D Amber 05 5-volt EB Yellow/White 12 12-volt FB Green/White 5F Green 24 24-volt HB Unbrushed Chrome/White Round or Square Cap with Legend LED and cap need to be the same color. 001 Yellow cap pairs with amber LED to achieve 002 **START** amber illumination. Codes JB and JS (Round **STANDBY** only) may be combined with all LED colors. 003 004 **STOP** 0 **Super Bright LED Lens/Diffuser Cap Colors** 005 6B White JB Clear/White Contact factory for custom options. 6F Metallic Silver Cap/Clear Ring Green JS (Round only) 6G Blue Unbrushed Chrome/White Round or Square Cap with Legend HB ⋓ 001 **Nonilluminated Cap Color** 002 **START** Ν No Lamp JB Clear/White 003 **STANDBY CB** Red/White 004 **STOP** Yellow/White EB 005 0 Green/White FB Contact factory for custom options. HB Unbrushed Chrome/White Ρ **Brushed Chrome** 

Part Numbers for Unbrushed Chrome Caps with Legends						
Round Cap for Bright LED	Round Cap for Super Bright LED	Square Cap for Bright or Super Bright LED				
AT3017HB-001	AT3018HB-001	AT3025HB-001				
AT3017HB-002	AT3018HB-002	AT3025HB-002				
AT3017HB-003	AT3018HB-003	AT3025HB-003				
AT3017HB-004	AT3018HB-004	AT3025HB-004				
AT3017HB-005	AT3018HB-005	AT3025HB-005				

Refer to Ordering Table for legend that corresponds with last 3 digits of part number.

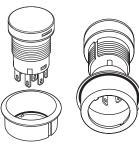


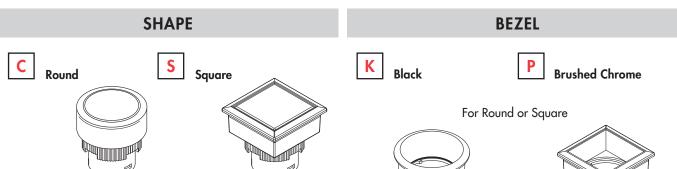
				DO!	EC 9 CID	CLUTC			
				POL	ES & CIR	COIIS			
		Plunger Position ( ) = Momentary C		Connected Terminals		als Throw & Switch/Lamp Schematics			
Pole	Model	Normal	Down	Normal	Down	Notes: Switch is marked with NC, NO, COM, L+, L Lamp circuit is isolated and requires an external power source.			
SP	YB215 YB216	ON ON	(ON) ON	1-3	1-2	SPDT	3 NC • 2 NO		
DP	YB225 YB226	ON ON	(ON) ON	1-3 4-6	1-2 4-5	DPDT	1	<b></b> ● (-) L	
		CONTA	CT POIN	Г			PANEL SEAL		
С	Normally	Open and N	Normally Clos	sed	V		l Seal nd and Square)		





Two o-rings provide panel seal protection meeting IP65 of IEC60529 standards.





### **CONTACT MATERIALS & RATINGS**



Switch base is black

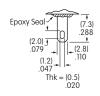
**Gold Contacts** 

Logic Level: 0.4VA max. @ 28V AC/DC max.

Switch base is ivory

#### **TERMINALS**





W

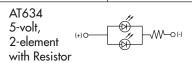
#### **BRIGHT & SUPER BRIGHT LEDS**

The electrical specifications shown are determined at a basic temperature of 25°C. LED circuit is isolated and requires an external power source. If the source voltage exceeds the rated voltage, a ballast resistor is required. Base of AT634 and AT636 is Black for 5V, Light Blue for 12V and Gray for 24V.

	alochitean opochiteano	g <b></b>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Bright AT628	Colors Available: 5C Red	5D Amber	No Code	No Resistor	Unit
0		LED Colors	Red	Amber	
	Maximum Forward Current	I <sub>FM</sub>	I <sub>FM</sub> 40 40		mA
14	Typical Forward Current	I <sub>F</sub>	26	26	mA
T-1 Bi-pin	Forward Voltage	V <sub>F</sub>	1.9	2.0	٧
(+)0-(-)	Maximum Reverse Voltage	$V_{_{RM}}$	4	4	V
	Current Reduction Rate Above 25°C	$\Delta I_{_{\rm F}}$	0.50		mA/°C
	Ambient Temperature Range		-25 ·	~ +50	°C
	=1 10 6	D 1 1 2 1 2 4 1	.== =		•

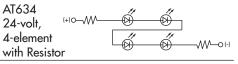
#### Electrical Specifications for Bright Red & Amber LED with Resistor

	•	•				
Bright AT634	Colors Available: 5C Red	5D Amber	05	12	24	Unit
	Maximum Forward Current	I <sub>FM</sub>	_	_	_	mA
T-1½ Bi-pin	Typical Forward Current	I <sub>F</sub>	25	20	10	mA
	Forward Voltage	$V_{\scriptscriptstyle F}$	5	12	24	٧
	Maximum Reverse Voltage	$V_{_{RM}}$	4	8	16	٧
	Current Reduction Rate Above 25°C	$\Delta I_{_{\rm F}}$	_	_	_	mA/°C
	Ambient Temperature Range			-25 ~ +50		°C



AT634 12-volt, 4-element with Resistor





#### **Electrical Specifications for Bright Green LED with Resistor**

Bright AT636
T-1¼ Bi-pin
(+)0————————————————————————————————————

(+) 0-W-(N)-W-0(-) 12V & 24V

	Licenteal openications for bright of cent LED with Resistor								
Colors Available:  ATTENTION ELECTROSTATIC SENSITIVE DEVICES	<b>5F</b> Green	05	12	24	Unit				
Maximum Forward Current	I <sub>FM</sub>	_	_	_	mA				
Typical Forward Current	I <sub>F</sub>	11	9.5	8.7	mA				
Forward Voltage	V <sub>F</sub>	5	12	24	V				
Maximum Reverse Voltage	$V_{RM}$	5	5	5	٧				
Current Reduction Rate Above 25°C	$\Delta I_{_{ m F}}$	_	_	_	mA/°C				
Ambient Temperature Range			-25 ~ +50		°C				
F	ypical Forward Current forward Voltage  Maximum Reverse Voltage  Current Reduction Rate Above 25°C	$\begin{array}{c} \text{Sypical Forward Current} & I_{\text{F}} \\ \text{Sorward Voltage} & V_{\text{F}} \\ \text{Maximum Reverse Voltage} & V_{\text{RM}} \\ \text{Current Reduction Rate Above 25°C} & \Delta I_{\text{F}} \\ \end{array}$	Sypical Forward Current         I <sub>F</sub> 11           Forward Voltage         V <sub>F</sub> 5           Maximum Reverse Voltage         V <sub>RM</sub> 5           Current Reduction Rate Above 25°C         ΔI <sub>F</sub> —	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				

#### **Electrical Specifications for Super Bright LED**

**Super Bright** AT625G Blue AT631B White AT632F Green

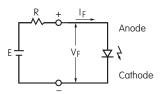


T-1 Bi-pin

ATTENTION ELECTROSTATIC (+10 (5) (-1)		6B	6F	6G	
ELECTROSTATIC (+)0 (+)0 (-)	Colors:	White	Green	Blue	Unit
Maximum Forward Current	I <sub>FM</sub>	30	30	30	mA
Typical Forward Current	I <sub>F</sub>	20	20	20	mA
Forward Voltage	$V_{_{\rm F}}$	3.3	3.3	3.3	٧
Maximum Reverse Voltage	$V_{_{RM}}$	7	7	7	٧
Current Reduction Rate Above 25°C	$\Delta I_{_{\rm F}}$	0.40	0.40	0.40	mA/°C
Ambient Temperature Range			-25 ~ +50		°C

#### **BALLAST RESISTOR CALCULATION FOR LEDS**

If the source voltage is greater than the rated voltage of a lamp or LED, a ballast resistor must be connected in series with the lamp. This circuit diagram and formula will assist in calculating the value of the required ballast resistor.



Where: R = Resistor Value (Ohms) E = Source Voltage (V) V<sub>F</sub> = Forward Voltage (V)

= Forward Current (A)

#### **CAPS & CAP COLORS**

AT3017 Cap for Bright LED or Nonilluminataed

Lens/Diffuser **Colors Available:** 

Clear/White



Red/White



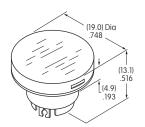
\*Yellow/White



Green/White



**Unbrushed Chrome/** White



AT3018 Cap for Super Bright LED

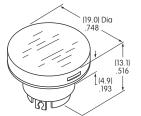
Lens/Diffuser **Colors Available:** 



Clear/White



**Unbrushed Chrome/** White



Material for Lens & Diffuser: Polycarbonate HB Lens: ABS Resin & **Unbrushed Chrome Plating**  AT3019 Cap for **Nonilluminated** 

Cap Color Available:

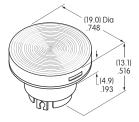


**Brushed Chrome** 

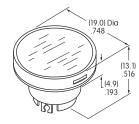
AT3020 Cap with Illumination Ring for **Bright or Super Bright LED Cap Color Available:** 



Metallic Silver with Clear Ring



Material for Lens: ABS Resin & Brushed Chrome Plating



Materials Lens: Polycarbonate Insert: Polyester

#### AT3025 Cap for Illuminated or Nonilluminated

**Lens/Diffuser Colors Available:** 



Clear/White For Bright & Super Bright LEDs



Red/White For Bright LED only



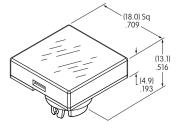
\*Yellow/White For Bright LED only



Green/White For Bright LED only



**Unbrushed Chrome/White** For Bright & Super Bright LEDs

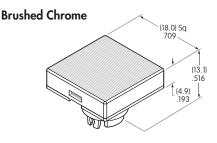


Material for Lens & Diffuser: Polycarbonate

#### AT3027 Cap for **Nonilluminated**

Cap Color Available:





Material for Lens: ABS Resin & Brushed Chrome Plating



<sup>\*</sup>Yellow cap pairs with amber LED to achieve amber illumination.

<sup>\*</sup>Yellow cap pairs with amber LED to achieve amber illumination.

#### Standard Legends for Unbrushed Chrome Caps

001



Round or Square Cap Bright or Super Bright LED



Round or Square Cap Bright or Super Bright LED 003



Round or Square Cap Bright or Super Bright LED

004



Round or Square Cap Bright or Super Bright LED 005



Round or Square Cap Bright or Super Bright LED

Images appear the color of the LED when lit. Contact factory for other legends options.

Legend illustrations are approximate representations of the actual images on the caps.

#### Unbrushed Chrome/White Cap with Lens/Diffuser



Without Illumination



With Illumination

Depending on the design and the color of ink used, the legend may be visible when it is not illuminated. It is recommended that the legend be clear and without ink in order to achieve the maximum visibility when the cap is illuminated.

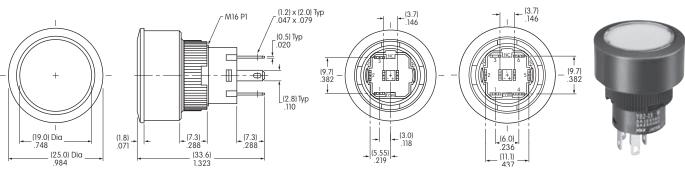
Touch

# Keylocks Programmable Illuminated PB Pushbuttons \_(19.0) Dia .748

#### TYPICAL SWITCH DIMENSIONS

#### **Single Pole**

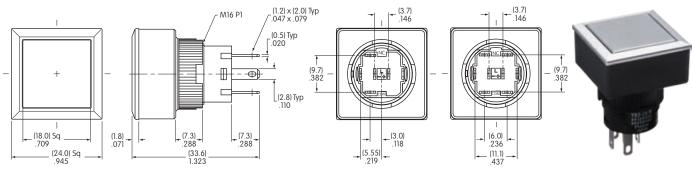
#### **Double Pole**



YB215CWCKW01-6B-JB

#### Single Pole

#### **Double Pole**

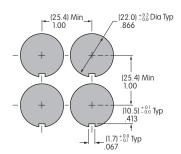


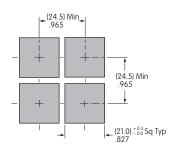
YB216CWSPW01-N-P

#### **PANEL THICKNESS & CUTOUT**

Recommended Panel Thickness .020" ~ .197"  $(0.5 mm \sim 5.0 mm)$ 







Side-by-side Mounting

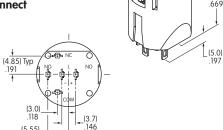
Side-by-side Mounting



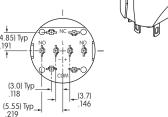
### **OPTIONAL ACCESSORIES**

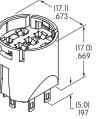
#### **Adaptors**

AT716 **Single Pole** Solder Lug/ **Quick Connect Terminals** 

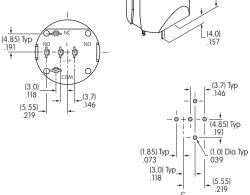




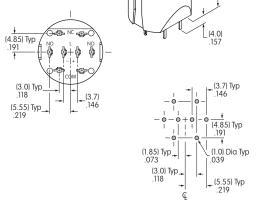




AT718 **Single Pole** Straight PC **Terminals** 



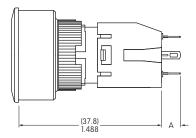
AT719 **Double Pole** Straight PC **Terminals** 

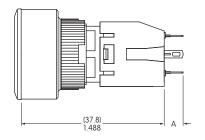


Material: Glass fiber reinforced polyamide

Note: Order adaptors separately

#### Round & Square Switch Dimensions Shown with Adaptor AT716





Dimension A:

Solder Lug .197" (5.0mm); Straight PC .157" (4.0mm)

Panel thickness for YB2 Round: .020" ~ .161" (0.5mm ~ 4.1mm)

Panel thickness for YB2 Square: .020" ~ .126" (0.5mm ~ 3.2mm)

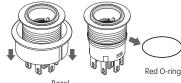


## Toggles 1. Remove knurled

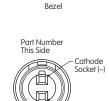
mounting nut.

Knurled Mounting Nut

2. Remove bezel and red o-ring from housing. There are two o-rings in this assembly: one is red, one is orange.



3. Install LED.



**LEDs** AT634 & AT636



Align D-flat on LED with Part Number on switch for appropriate polarity and insert LED into base.

ATTENTION

ELECTROSTATIC SENSITIVE DEVICES

LED AT628



LEDs AT625G,

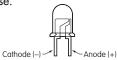
AT631B,

AT632F

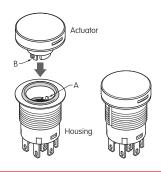
Align D-flat on LED with Part Number on switch for appropriate polarity and insert LED into base.



The larger metal part within the LED represents the cathode (-). Align LED for appropriate polarity and insert LED into base.

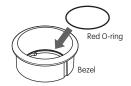


4. Align tabs (B) on both sides of actuator with the projections (A) inside of the housing and push actuator firmly down to snap in.

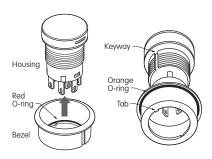


5. Install the red o-ring which was removed in step 2 at the inside bottom of the bezel.

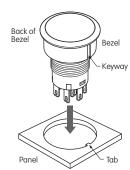
ASSEMBLY INSTRUCTIONS FOR ROUND



6. Align tab inside of the bezel with keyway on housing and bring bezel back into its original position.

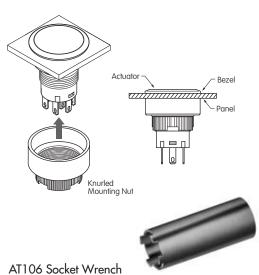


7. Before installing into panel, make sure that the orange o-ring is present at the back of the bezel. Align keyway on bezel with tab in panel and push switch all the way into the panel.



8. Attach mounting nut behind panel and tighten. Make sure that bezel and actuator fit properly and that there is no space between bezel and panel. Do not overtighten.

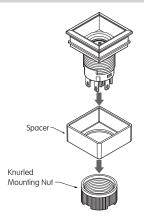
Mounting torque: 0.785Nm (6.95 lb-in) maximum. Optional socket wrench AT106 available.



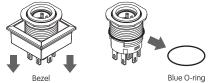


#### ASSEMBLY INSTRUCTIONS FOR SQUARE

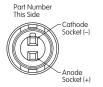
1. Remove knurled mounting nut.



2. Remove bezel and blue o-ring from housing.



Install LED.



**ATTENTION** 

ELECTROSTATIC SENSITIVE DEVICES

**LFDs** AT634 & AT636



Align D-flat on LED with Part Number on switch for appropriate polarity and insert LED into base.

Align D-flat on LED with Part Number

on switch for appropriate polarity and

**ATTENTION** ELECTROSTATIC SENSITIVE DEVICES

insert LED into base.

LED AT628



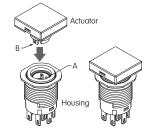
LEDs AT625G, AT631B, AT632F



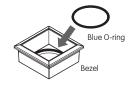
The larger metal part within the LED represents the cathode (-). Align LED for appropriate polarity and insert LED into base.



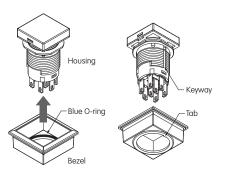
4. Align tabs (B) on both sides of actuator with the projections (A) inside of the housing and push actuator firmly down to snap in.



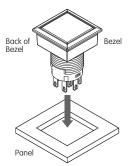
5. Install the blue o-ring which was removed in step 2 at the inside bottom of the bezel.



6. Align tab inside of the bezel with keyway on housing and bring bezel back into its original position.

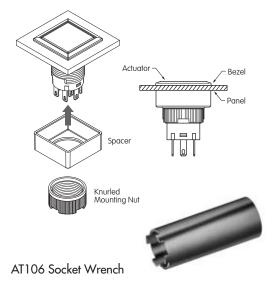


7. Before installing into panel, make sure that the square gasket is present at the back of the bezel. Align keyway on bezel with tab in panel and push switch all the way into the panel.



8. Attach mounting nut behind panel and tighten. Make sure that bezel and actuator fit properly and that there is no space between bezel and panel. Do not overtighten.

Mounting torque: 0.785Nm (6.95 lb-in) maximum. Optional socket wrench AT106 available.





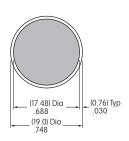
#### **LEGENDS**

NKK Switches can provide custom legends for caps. Contact factory for more information.

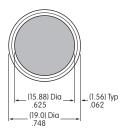
#### Suggested Printable Area for YB2 Caps

Recommended Methods: Laser Etch on clear cap, Screen Print or Pad Print on cap. Epoxy based ink is recommended.

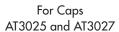
For Caps AT3017, AT3018, and AT3019

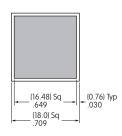


For Cap AT3020 (with clear ring for illumination)

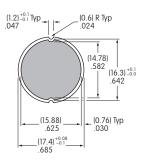


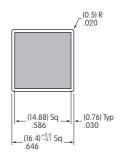
Shaded areas are printable areas.





#### Suggested Printable Area for Film Inserts





**Recommended Method:** 

Screen Print; Epoxy based ink is recommended

Film Material and Thickness: Clear Polyester, 4 mil max.

Shaded areas are printable areas.

#### **HANDLING & PRECAUTIONS**



LEDs are electrostatic sensitive devices. When installing and handling LEDs, use an electrostatic protected work station to prevent LED damage.



#### **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

#### **NKK Switches:**

YB215CWCKG01-5D24-EB YB215CWCSW01-N-S YB215CWCKG01/CUL-5D24-EB YB216CWCKW01/CUL-5F05-FB YB215CWCKG01-N-JB YB215CWCSW01-5F12-JB YB215CWCKW01/CUL-6G-JB YB215CWCKW01-N-EB YB215CWCKW01/CUL-N-CB YB215CWCKW01-5C12-CB YB215CWCSG01 YB215CWCSG01/CUL-N-S YB215CWCSG01-N-FB YB215CWCSW01-N-JB YB225CWCSW01-N-JB YB215CWSKW01-N-CB/CUL YB215CWSKW01-N-EB/CUL YB215CWSKW01-N-FB/CUL YB215CWCSW01-5F24-FB YB215CWCKW01/CUL-5D-JB YB225CWCKW01/CUL-5D-JB YB215CWCKW01/CUL-5C-CB YB215CWCKW01/CUL-5C-JB YB216CWCKW01/CUL-5D-JB YB226CWCKW01/CUL-5D-JB YB216CWCKW01/CUL-5D-EB YB225CWCKW01/CUL-5C-JB YB226CWCKW01/CUL-5D-EB YB216CWCKW01/CUL-5C-JB YB226CWCKW01-6F-JB YB226CWCKW01/CUL-6F-JB YB215CWCKW01/CUL-N-S YB215CWCKG01/CUL-N-S YB215CWCSG01-6F-JB YB215CWCSW01-6G-JB YB215CWCSW01-6B-JS YB215CWCKW01/CUL-5F12-FB YB215CWCSW01-6F-JS YB215CWCKG01/CUL YB215CWCKW01/CUL YB215CWCKW01/CUL-6B-JB YB216CWCKW01/CUL YB216CWCSW01-5F05-FB YB216CWCSW01-N-S YB225CWCKW01/CUL YB225CWCKW01/CUL-5F12-JB YB225CWCSW01-5D-JB YB226CWCKW01/CUL YB215CWCKW01/CUL-5C-JS YB215CWCKW01/CUL-5D-JS YB215CWCKW01/CUL5F24FB YB215CWCKW01/CUL-N-EB YB215CWCKW01/CUL-N-FB YB216CWCKW01/CUL-5C-JS YB216CWCKW01/CUL-5D-JS YB225CWCKW01/CUL-5C-JS YB225CWCKW01/CUL-5D-JS YB225CWCKW01/CUL5F24FB YB215CWCKW01/CUL5C24CB YB215CWCKW01CUL5D24EB YB225CWCKW01/CUL5C24CB YB225CWCKW01CUL5D24EB YB216CWCSW015F12JS YB215CWCSG01-6B-JB YB216CWCSG01-6B-JS YB216CWCSW01/CUL-5F05-JB YB226CWCSW01-5C12-CB YB226CWCSW01-5C24-CB YB226CWCSW01-N-S YB215CWCSG01-5F05-JB YB215CWCSG01-5F24-JB YB215CWCSW01-5C12-JB YB215CWCSW01-5D12-JB YB215CWCSW01-5D24-JB YB215CWCSW01-5F12-FB YB215CWCSW01-N-CB YB216CWCSW01-5F12-FB YB225CWCKW01/CUL-N-CB YB226CWSKW01-JB YB215CWSKW01-5F12-JB YB225CWCSW01/CUL YB225CWCSW01/CUL-6B-JB YB225CWCSW01/CUL-6B-JS YB225CWCSW01/CUL-6G-JB YB225CWCSW01/CUL-6G-JS YB215CWCKG01-N-CB YB215CWCKW01-5F05-FB YB215CWCKW01-6G-JB YB215CWCKW01-N-JB YB215CWCSG01/CUL YB215CWCSW01 YB215CWCSW01/CUL YB216CWCKW01/CUL-5C12-JS YB216CWCKW01/CUL-6B-JS YB216CWCSG01 YB216CWCSG01/CUL YB216CWCSG01/CUL-5F05-JS YB216CWCSW01 YB216CWCSW01/CUL YB216CWCSW01-5F24-JB