



# 3D CAD Library Tutorial

Windows Internet Explorer browser window showing the NKK Switches website. The address bar displays <http://www.nkkswitches.com/cadlibrary.aspx>. The browser interface includes a search bar with "Google" and "Viewpoint Search" options, and a navigation menu with "Home", "Site Map", and "About Us".

The website header features the **NKK SWITCHES** logo and a "Distributor Inventory Search" field with a "SEARCH" button. Below the header is a "PRODUCT SEARCH" section with a dropdown menu for "by ACTUATOR" (set to "[Select Actuator]") and a "PART NUMBER" input field with a "SEARCH" button.

The main content area is titled "CAD Library" and includes a navigation menu on the left with the following items: PRODUCTS, SAMPLES, eNEWS, APPLICATIONS, REQUEST CATALOG, SUPPORT, WHAT'S NEW, PRESS ROOM, WHERE TO BUY, and CONTACT US.

The central focus is a red-bordered box containing the text: **Visit our Online 3D CAD Library HERE**. To the right of this box is a 3D model of a red actuator. A red arrow points from the text box to a red-bordered box containing the text: **Click Here to Begin**.

Below the main text is a section titled "CAD Library Tutorial" with the following text: "If after visiting our 3D CAD Library you do not find the model you are looking for, please complete the form below to request the model by email."

The form contains the following fields:

- \* First Name
- \* Last Name
- Title
- \* Industry
- \* Company
- \* Address
- \* City
- \* Country
- \* State/Province
- \* Zip
- \* Phone
- Fax
- \* E-Mail
- Project Name
- \* Estimated Annual Budget
- \* Plan to Purchase

NKK Switches CAD Library - Powered by PARTsolutions - V1.9.10 - Windows Internet Explorer

http://nkkswitches.partcommunity.com/PARTcommunity/Portal/nkkswitches

File Edit View Favorites Tools Help

Google Search Share Bookmarks AutoFill Sign In

NKK Switches CAD Library - Powered by PARTsolutions...

US ? Help Search Feedback guest | Log in **Register** Copyright

# NKK SWITCHES













Welcome CAD MODELS 1.9 | powered by CADENAS PARTsolutions

Symbols Search Preview

You are here: NKK Switches

NKK SWITCHES NKK Switches

### Symbols

 Pushbutton	 Rocker	 Toggle
 SmartSwitch(TM)	 Tactiles	 Slides
 Rotaries	 Keylock	 Surface Mount
 Tilt Switches	 Copyright	 Content of the CAD catalog in PARTsolutions

### Generated CAD MODELS

**You must be logged in for this action**

Please click here to login: [Login](#)

Internet 105%

Click Register

Register

E-mail: \*

Confirm Email: \*

Username: \*

Password: \*

Confirm password: \*

Company: \*

First Name: \*

Last Name: \*

Street: \*

ZIP: \*

City: \*

State: \*

Phone: \*

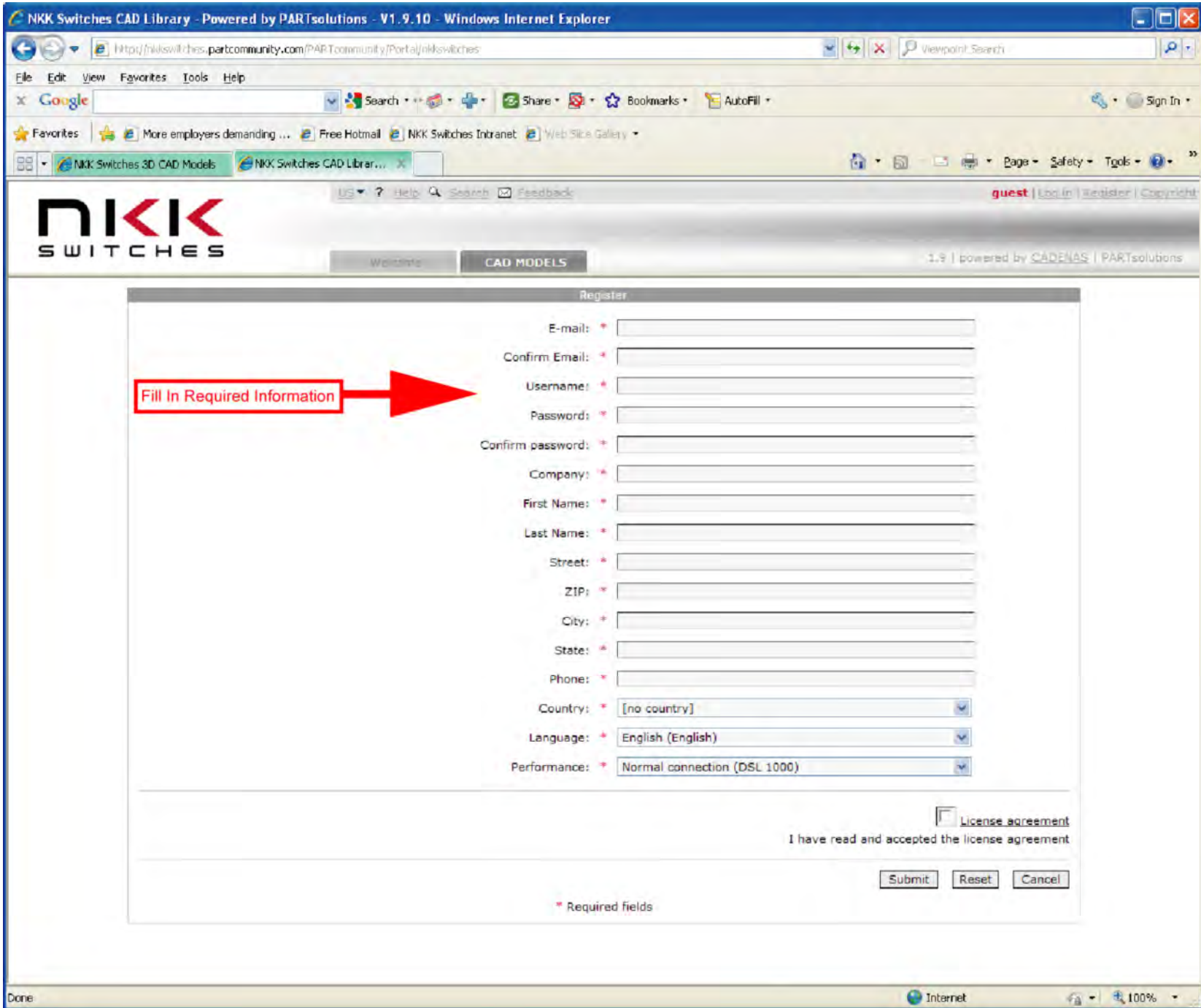
Country: \* [no country]

Language: \* English (English)

Performance: \* Normal connection (DSL 1000)

[License agreement](#)  
I have read and accepted the license agreement

\* Required fields



NKK Switches CAD Library - Powered by PARTsolutions - V1.9.10 - Windows Internet Explorer

http://nkkswitches.partcommunity.com/PARTcommunity/index.js?pageid=93215

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# NKK SWITCHES

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Workarea CAD MODELS Settings

Symbols Preview

You are here: NKK Switches

NKK SWITCHES NKK Switches

Select Switch Type

Symbols

- Pushbutton
- Rocker
- Toggle
- SmartSwitch(TM)
- Tactiles
- Slides
- Rotaries
- Keylock
- Surface Mount
- Tilt Switches
- Copyright
- Content of the CAD catalog in PARTsolutions

Generated CAD MODELS

Settings

Select CAD FORMATS

You have currently no generated CAD MODELS.

Remove all

Legend

Internet 100%

Windows Internet Explorer window showing the NKK Switches CAD Library. The browser title is "NKK Switches CAD Library - Powered by PARTsolutions - V1.9.10 - Windows Internet Explorer". The address bar shows the URL: <http://nkkswitches.partcommunity.com/PARTcommunity/index.js?pageid=93215>. The page features the NKK SWITCHES logo and navigation tabs for "Wizards", "CAD MODELS", and "Settings".

The main content area is titled "Symbols" and displays a grid of switch models. A red box highlights the "AB Series - Process Sealed Subminiature Pushbutton" model. A red arrow points from this box to a "Select Switch Series" label. The grid includes the following models:

- AB Series - Process Sealed Subminiature Pushbutton
- BB Series - Process Sealed Subminiature Antistatic Pushbuttons
- FB Series - .5 Amp Momentary Pushbuttons
- FP01 Series - Contactless Pushbuttons
- GB Series Pushbuttons
- GB2 Series - Ultra-Thin Pushbuttons
- HB Series - Subminiature Pushbuttons
- HB2 Series - Subminiature Audio/Video Pushbuttons
- KP Series - Miniature Audio/Video Pushbuttons
- LB Series - Standard Size Pushbutton Switches
- LP01 Series - Short Body Pushbutton Switches
- M2 Series - Process Sealed Miniature Pushbuttons
- MB2000 Series - Miniature Pushbuttons
- MB2400 Series - Snap-Action Pushbuttons
- SB4011 Series - 3 Amp Momentary Pushbuttons
- UB Series - Low Profile Pushbutton Switches
- UB2 Series - Low Profile Pushbutton Switches
- WB Series - Environmentally Sealed Pushbutton Switches

The right side of the interface shows a "Preview" area with the NKK SWITCHES logo and a "Generated CAD MODELS" section. The "Settings" section includes a "Select CAD FORMATS" button and a message: "You have currently no generated CAD MODELS." Below this is a "Remove all" button and a "Legend" section.

Windows Internet Explorer window showing the NKK Switches CAD Library interface. The browser address bar displays: <http://nkkswitches.partcommunity.com/PARTcommunity/index.js?pageid=93215>

The page header includes the NKK SWITCHES logo and navigation tabs: **Wizards**, **CAD MODELS**, **Settings**. The version is noted as 1.9 | powered by CADENAS | PARTsolutions.

**You are here: NKK Switches**

Navigation path: **Pushbutton** > **AB Series - Process Sealed Subminiature Pushbutton**

**Actions**

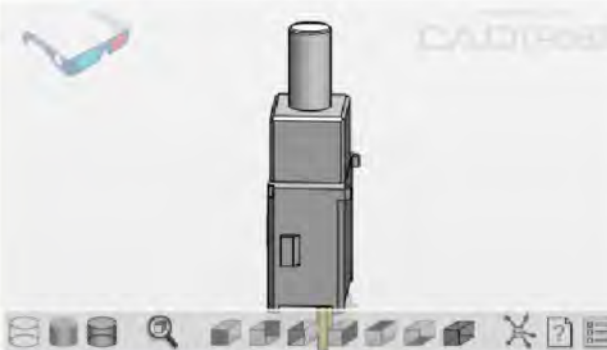
- Generate CAD MODEL
- Generate PDF datasheet
- Generate preview

**Variables**

- AB11AP**
- PN (Part No.):** AB11AP
- SRS (Series):** AB
- PLS (Poles):** 1 - SPST/SPDT
  - 1 - SPST/SPDT [Commit]
- CRCTS (Circuits):** 1 - OFF/(ON)
  - 1 - OFF/(ON) [Commit]
- PLNGRS (Plungers):** A - .213" (5.4mm) Long
  - A - .213" (5.4mm) Long [Commit]
- TRMNL (PC Terminals):** P - Straight
  - P - Straight [Commit]
- CAPS (Caps):** w/o Cap
  - w/o Cap [Commit]
- CCLR (Cap Colors):** N/A
  - N/A
- QCHR (Characteristics):** [Download pdf](#)

**Preview**

Preview for AB11AP  
Caution: The pregenerated preview conforms to a sample part and may differ from the current CAD MODEL.



**Generated CAD MODELS**

**Settings**

- Select CAD FORMATS

You have currently no generated CAD MODELS.

Remove all

**Legend**

**Configuration Menu (highlighted in red):**

- AB11AP**
- PN (Part No.):** AB11AP
- SRS (Series):** AB
- PLS (Poles):** 1 - SPST/SPDT
  - 1 - SPST/SPDT [Commit]
- CRCTS (Circuits):** 1 - OFF/(ON)
  - 1 - OFF/(ON) [Commit]
- PLNGRS (Plungers):** A - .213" (5.4mm) Long
  - A - .213" (5.4mm) Long [Commit]
- TRMNL (PC Terminals):** P - Straight
  - P - Straight [Commit]
- CAPS (Caps):** w/o Cap
  - w/o Cap [Commit]
- CCLR (Cap Colors):** N/A
  - N/A
- QCHR (Characteristics):** [Download pdf](#)

Configure desired switch using configuration menus

Windows Internet Explorer window showing the NKK Switches CAD Library interface. The browser address bar displays: <http://nkkswitches.partcommunity.com/PARTcommunity/index.js?pageid=93215>

The page header includes the NKK SWITCHES logo and navigation tabs: **Wizards**, **CAD MODELS**, and **Settings**. The user is logged in as **rcarlson**.

**You are here: NKK Switches**

- AB Series - Process Sealed Subminiature Pushbutton
- AB Series - Process Sealed Subminiature Pushbuttons
- AB11AP**

**Actions**

Please check the status of your previously generated parts under:

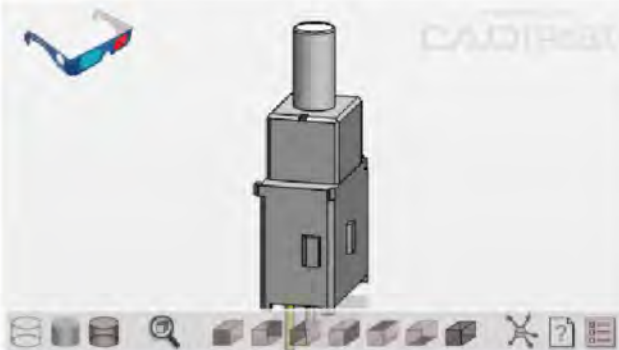
- Generate CAD MODEL
- Generate PDF datasheet
- Generate preview** (highlighted with a red box and arrow)

**Variables**

- AB15AH**
  - PN (Part No.): AB15AH**
  - SRS (Series): AB**
  - PLS (Poles): 1 - SPST/SPDT**
    - 1 - SPST/SPDT
  - CRCTS (Circuits): 5 - ON/(ON)**
    - 5 - ON/(ON)
  - PLNGRS (Plungers): A - .213" (5.4mm) Long**
    - A - .213" (5.4mm) Long
  - TRMNLs (PC Terminals): H - Right Angle w**
    - H - Right Angle with Bracket
  - CAPS (Caps): w/o Cap**
    - w/o Cap
  - CCLR (Cap Colors): N/A**
    - N/A
  - QCHR (Characteristics): Download pdf**

**Preview**

Preview for AB11AP  
Caution: The pregenerated preview conforms to a sample part and may differ from the current CAD MODEL.



**Generated CAD MODELS**

**Settings**

Select CAD FORMATS

You have currently no generated CAD MODELS.

**Legend**

**Note:**  
This action does NOT have to be performed to Download a model

NKK Switches CAD Library - Powered by PARTsolutions - V1.9.10 - Windows Internet Explorer

http://nkkswitches.partcommunity.com/PARTcommunity/index.js?pageid=93215

File Edit View Favorites Tools Help

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# NKK SWITCHES

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Waiting CAD MODELS Settings

Symbols Search Preview

You are here: NKK Switches

AB Series - Process Sealed Subminiature Pushbutton AB Series - Process Sealed Subminiature Pushbuttons AB11A

Actions

Generate CAD MODEL Generate PDF datasheet Generate preview

Variables

- AB15AH
  - PN (Part No.): AB15AH
  - SRS (Series): AB
  - PLS (Poles): 1 - SPST/SPDT
    - 1 - SPST/SPDT Commit
  - CRCTS (Circuits): 5 - ON/(ON)
    - 5 - ON/(ON) Commit
  - PLNGRS (Plungers): A - .213" (5.4mm)
    - A - .213" (5.4mm) Long Commit
  - TRMNLs (PC Terminals): H - Right Angle with bracket
    - H - Right Angle with Bracket Commit
  - CAPS (Caps): w/o Cap
    - w/o Cap Commit
  - CCLR (Cap Colors): N/A
    - N/A
  - QCHR (Characteristics): [Download pdf](#)

Legend

Preview for AB11AP  
Caution: The pregenerated preview conforms to a sample part and may differ from the current CAD MODEL.

Generated CAD MODELS

Settings  
Select CAD FORMATS

You have currently no generated CAD MODELS.

Remove all

Legend

Internet 100%

To Begin a Download:  
Click the "Settings" Tab

NOTE: If you have already been through the settings and have selected your desired filetype and method of delivery, you do not need to repeat the following steps.  
Simply click "Generate CAD MODEL" to the Left

NKK Switches CAD Library - Powered by PARTsolutions - V1.9.10 - Windows Internet Explorer

http://nkkswitches.partcommunity.com/PARTcommunity/index.js?pageid=93215

File Edit View Favorites Tools Help

Google Search Share Bookmarks AutoFill Sign In

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# NKK SWITCHES

Welcome CAD MODELS Settings 1.9 | powered by C&D/CAS | PARTsolutions

Settings Personal Settings

Format-Selection

Personal Settings

E-mail: tcarlson@nkkswitches.com

Company: NKK Switches

First Name: Tim

Last Name: Carlson

ZIP: 85260

Street: 7850 E Gelding Dr

City: Scottsdale

State: AZ

Phone: 480-991-0942

Country: United States (United States)

Portal Settings

Language: English (English)

Performance: Normal connection (DSL 1000)

Number of rows per page: 25

Tooltip preview activated:

Activate legend:

Preview Settings

Preview activated:

Change password

Old password:

New password:

Confirm new password:

Next Click the "Format-Selection" Tab

Internet 100%

NKK Switches CAD Library - Powered by PARTSolutions - V1.9.10 - Windows Internet Explorer

Http://nkkswitches.partcommunity.com/PARTcommunity/index.js?pageid=99258

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**NKK SWITCHES**

Welcome CAD MODELS Settings 1.9 | powered by CADENAS | PARTSolutions

Settings Format-Selection

You have selected the maximum number of formats! Remove selected formats before selecting other formats.

Insert CAD MODEL direct into CAD

CAD MODEL for download

2D  3D

Neutral		Native	
CIP		3D Studio MAX	
DWG>=V14		Allplan2008	
DXFV14		AutoCAD>=V14	
IGES		Aveva PDMS / Marine	
JT		BeckerCAD	
Metafile 3D (PS3)V2		Caddy++SAT-V4.2	
ParasolidBinary V15		Catia IUAV4	
ParasolidText V15		Catia>=V5 R8	
PDF 3D7.01		EMS	
SATV2.0		FIDES (FORD)	

Send CAD MODEL via e-mail

Selected Formats

Remove all

Type	Format	Format category	Actions
	STEPAP214a	3-D Neutral	

>>

Save preferences Close

Select desired method by which you would like to retrieve the model, as well as Filetype of the model

For this demo, we have selected "CAD Model for Download" in a .STP filetype. However, you may elect to Insert the model directly into Solidworks, or have it emailed to you

When finished, click "Save Preferences" to the right, then click "Close"

Done Internet 100%

NKK Switches CAD Library - Powered by PARTSolutions - V1.9.10 - Windows Internet Explorer

Http://nkkswitches.partcommunity.com/PARTcommunity/index.js?pageid=93215

File Edit View Favorites Tools Help

Google Search Share Bookmarks AutoFill Sign In

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# NKK SWITCHES

1.9 | powered by CADENAS | PARTSolutions

Symbols Search

You are here: NKK Switches

AB Series - Process Sealed Subminiature Pushbutton

AB Series - Process Sealed Subminiature Pushbuttons

AB11AP

Actions

Generate CAD MODEL Generate PDF datasheet Generate preview

Variables

- AB15AH
- PN (Part No.): AB15AH
- SRS (Series): AB
- PLS (Poles): 1 - SPST/SPDT
- 1 - SPST/SPDT Commit
- CRCTS (Circuits): 5 - ON/(ON)
- 5 - ON/(ON) Commit
- PLNGRS (Plungers): A - .213" (5.4mm) Long
- A - .213" (5.4mm) Long Commit
- TRMNL (PC Terminals): H - Right Angle with Bracket
- H - Right Angle with Bracket Commit
- CAPS (Caps): w/o Cap
- w/o Cap Commit
- CCLR (Cap Colors): N/A
- N/A
- QCHR (Characteristics): Download pdf

Legend

Preview

Preview for AB11AP

Caution: The pregenerated preview conforms to a sample part and may differ from the current CAD MODEL.

Generated CAD MODELS

Settings

Select CAD FORMATS

You have currently no generated CAD MODELS.

Remove all

Legend

Click "Generate CAD MODEL"

Windows Internet Explorer window showing the NKK Switches CAD Library interface. The browser title is "NKK Switches CAD Library - Powered by PARTSolutions - V1.9.10 - Windows Internet Explorer". The address bar shows the URL: <http://nkkswitches.partcommunity.com/PARTcommunity/index.js?pageid=95730>.

The interface includes a navigation menu with "Symbols", "CAD MODELS", and "Settings". The "CAD MODELS" section is active, displaying a breadcrumb trail: "You are here: NKK Switches" > "AB Series - Process Sealed Subminiature Pushbutton" > "AB15AH".

The "Variables" section lists configuration options for the AB15AH part, all of which are checked:

- AB15AH
- PN (Part No.): AB15AH
- SRS (Series): AB
- PLS (Poles): 1 - SPST/SPDT
  - 1 - SPST/SPDT [Commit]
- CRCTS (Circuits): 5 - ON/(ON)
  - 5 - ON/(ON) [Commit]
- PLNGRS (Plungers): A - .213" (5.4mm) Long
  - A - .213" (5.4mm) Long [Commit]
- TRMNLs (PC Terminals): H - Right Angle with Bracket
  - H - Right Angle with Bracket [Commit]
- CAPS (Caps): w/o Cap
  - w/o Cap [Commit]
- CCLR (Cap Colors): N/A
  - N/A
- QCHR (Characteristics): [Download pdf](#)

The "Generated CAD MODELS" section on the right shows a list of generated models:

Model Name	Status	Actions
AB15AH	<input checked="" type="checkbox"/>	<a href="#">Download</a> <a href="#">Delete</a>

A red box highlights the "Download" and "Delete" buttons for the AB15AH model. A red arrow points from a text box to the "Download" button. The text box contains the instruction: "When Model has finished generating Click 'Download'".

The "Settings" section includes a "Select CAD FORMATS" option and a message: "You have currently 1 generated CAD MODEL. Please note that expired CAD MODELS will be deleted automatically." Below this is a "Remove all" button.

The interface is powered by CADENAS | PARTSolutions. The browser status bar shows "Internet" and "100%" zoom.

Windows Internet Explorer window showing the NKK Switches CAD Library interface. The browser address bar displays: <http://nkkswitches.partcommunity.com/PARTcommunity/index.js?pageid=99258>

The page header includes the NKK SWITCHES logo and navigation tabs: **Wizards**, **CAD MODELS**, and **Settings**. The version is 1.9, powered by CADENAS | PARTsolutions.

**You are here: NKK Switches**

Navigation path: **AB Series - Process Sealed Subminiature Pushbutton** > **AB Series - Process Sealed Subminiature Pushbuttons** > **AB11AP**

**Actions**

Please check the status of your previously generated parts under "Generated CAD MODELS"


[Generate CAD MODEL](#) [Generate PDF datasheet](#) [Generate preview](#)

**Variables**


- AB15AH**
  - PN (Part No.):** AB15AH
  - SRS (Series):** AB
  - PLS (Poles):** 1 - SPST/SPDT
    - 1 - SPST/SPDT [Commit](#)
  - CRCTS (Circuits):** 5 - ON/(ON)
    - 5 - ON/(ON) [Commit](#)
  - PLNGRS (Plungers):** A - .213" (5.4mm) Long
    - A - .213" (5.4mm) Long [Commit](#)
  - TRMNLs (PC Terminals):** H - Right Angle with Bracket
    - H - Right Angle with Bracket [Commit](#)
  - CAPS (Caps):** w/o Cap
    - w/o Cap [Commit](#)
  - CCLR (Cap Colors):** N/A
    - N/A
  - QCHR (Characteristics):** [Download pdf](#)

**Preview**

Preview for AB11AP  
Caution: The pregenerated preview conforms to a sample part and may differ from the current CAD MODEL.



**Generated CAD MODELS**

- AB15AH**
  - Action successful
  - [Download](#)
  - Formats:
    - STEPAP214a 
  - Level of Detail: high
  - Generated on: Aug 17, 2010
  - Language: english

[Previous](#)

**Legend**

**Annotations:**

- A red box highlights the **Download** button in the "Generated CAD MODELS" section.
- A red arrow points from the text "Click 'Download' again and save ZIP file to desired location" to the **Download** button.

**Thank You**  
**for visiting**  
**NKK's 3D CAD Library**

**The largest switch library in the industry,  
with over 200,000 models available**

**Visit our Library**

**[nkkswitches.partcommunity.com](http://nkkswitches.partcommunity.com)**