A decorative graphic on the left side of the slide, consisting of a grid of squares in various shades of blue, purple, and orange, arranged in a pattern that tapers to the right.

Guideline, AutoCAD Layer Standard for Ascenx Drawing Template

Presents to DSE Division

06/10/2010



Index

- Layers standard and Drawing format style.
 - ☐ Layer standard
 - ☐ Format style of drawing

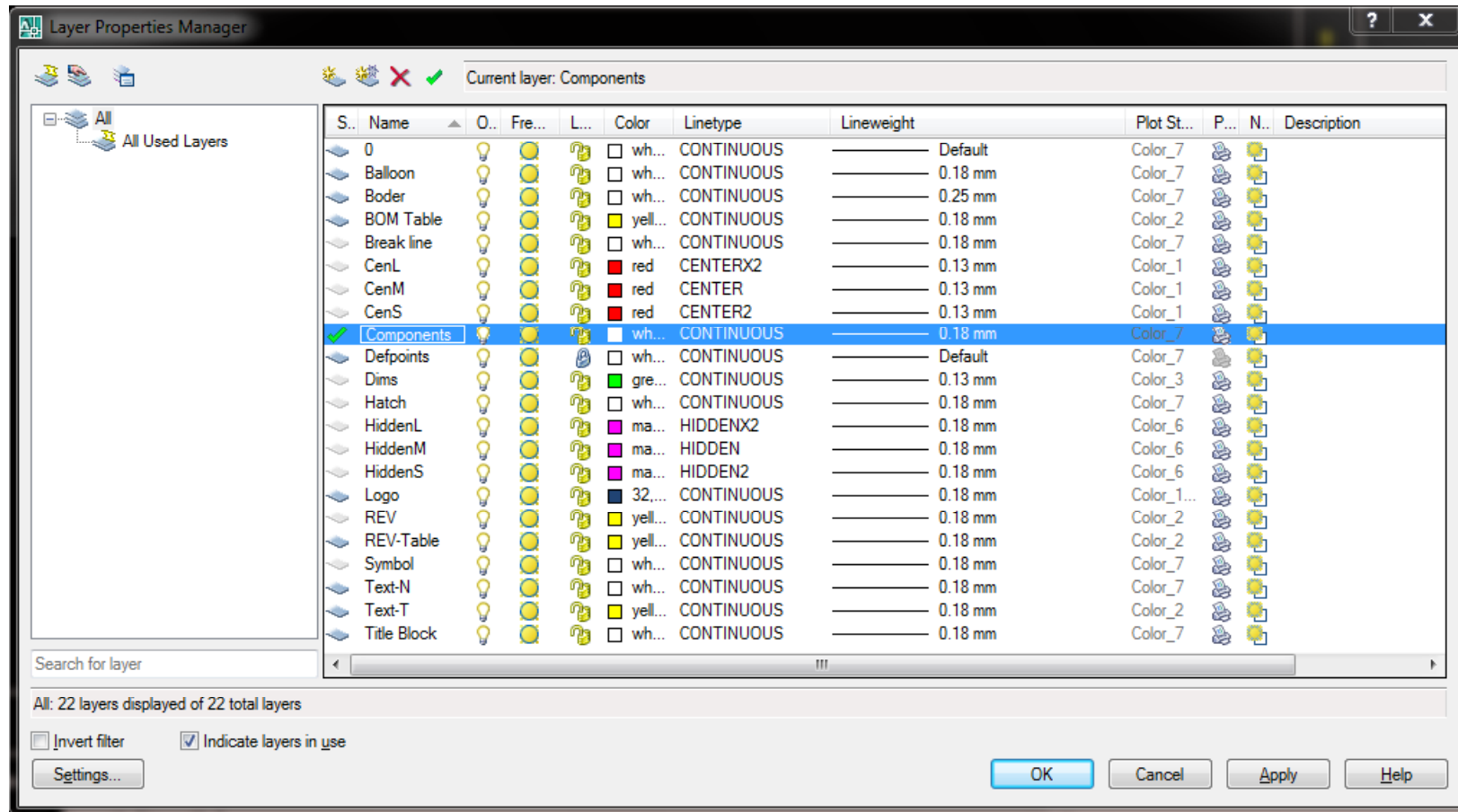
- Template user guide
 - ☐ Using Template
 - ☐ Update information for BOM, REV Table
 - ☐ Using Block library

Ascenx's DSE Layer Standard

| No | Layer Name | Color No. | Color | Linestyle | Lineweight | Description |
|----|-------------|---------------|---------------|-------------|------------|--|
| 1 | Components | 7 | white | Continuous | 0.18 | Wires, Cable, Ribbon cable, Connector, Switch, Fuse, Ring, Heatshrink Tubing, Crimp, Tie wrap, Label,... |
| 2 | HiddenS | 6 | magenta | Hidden2 | 0.18 | Show hidden line of the views or related objects |
| 3 | HiddenM | 6 | magenta | Hidden | 0.18 | Show hidden line of the views or related objects |
| 4 | HiddenL | 6 | magenta | HiddenX2 | 0.18 | Show hidden line of the views or related objects |
| 5 | CenS | 1 | red | Center2 | 0.13 | Show center line or center mark of circle, cylinder or related objects |
| 6 | CenM | 1 | red | Center | 0.13 | Show center line or center mark of circle, cylinder or related objects |
| 7 | CenL | 1 | red | CenterX2 | 0.13 | Show center line or center mark of circle, cylinder or related objects |
| 8 | Dims | 3 | green | Continuous | 0.13 | Make dimension and related objects |
| 9 | Balloon | 7 | white | Continuous | 0.18 | Make note (text) and boundary line of balloon |
| 10 | Break line | 7 | white | Continuous | 0.13 | Limited line when break the length line to 2 part |
| 11 | Text-T | 2 | yellow | Continuous | 0.18 | Text for Title block |
| 12 | Text-N | 7 | white | Continuous | 0.18 | Text for Notes, Description, Detaile note ... |
| 13 | REV | 2 | yellow | Continuous | 0.18 | Updates revision 01, 02, 03,... |
| 14 | REV-Table | 2 | yellow | Continuous | 0.18 | Out line of REV table |
| 15 | BOM Table | 2 | yellow | Continuous | 0.18 | Out line of BOM table |
| 16 | Hatch | 7 | white | Continuous | 0.18 | Make section or filled the shape |
| 17 | Symbol | 7 | white | Continuous | 0.18 | Symbol (Balloon, Block, Attributed block,... |
| 18 | Boder | 7 | white | Continuous | 0.25 | Boder for Drawing boder and out line of title block |
| 19 | Title Block | 7 | white | Continuous | 0.18 | Title Block |
| 20 | Logo | RGB 32,67,115 | RGB 32,67,115 | Hatch-Solid | 0.18 | Ascenx's Logo (From Image) |

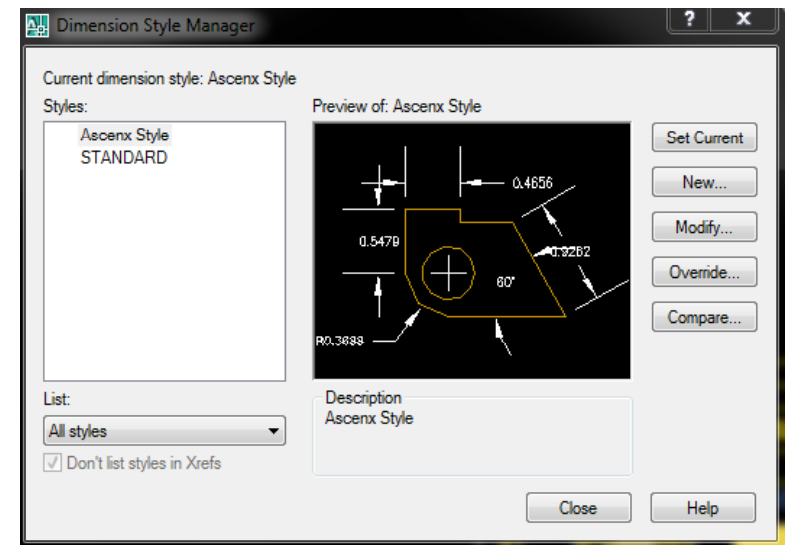
Note: Must use layers which were created for all Ascenx's drawing

Layer Standard in AutoCAD



Format styles of Drawing

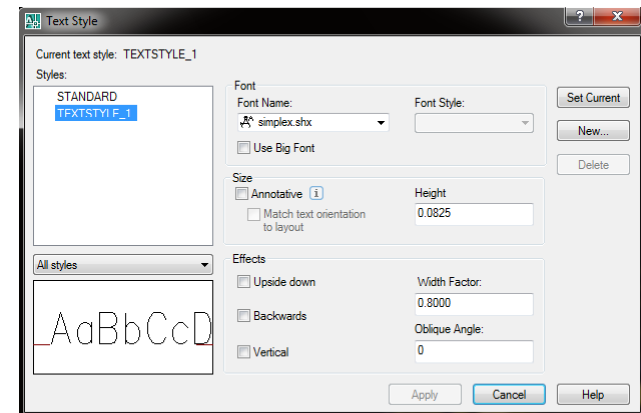
| Dimension Style Manager | | |
|-------------------------|-------------------------|----------------------|
| 1 | Dimension style | Ascenx style |
| 2 | Dimemnsion line | Green |
| 3 | Extension line | Green |
| 4 | Baseline spacing | 0.646 |
| 5 | Extend beyond dims line | 0.306 |
| 6 | Offset from origin | 0.10625 |
| 7 | Arrow head | Closed filled |
| 8 | Arrow size | 0.1875 |
| 9 | Text style | Style 1 |
| 10 | Text height | 0.156 |



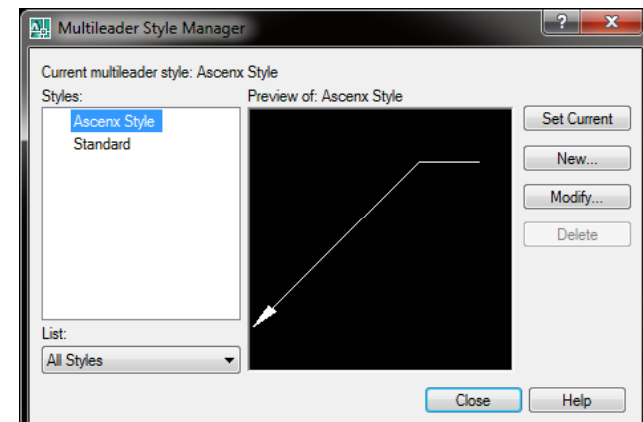
Note: Do not change parameter while they are not approve yet.

Format styles of Drawing (cont. 1)

| Text Style Manager | | |
|--------------------|-----------------------------|--------------------|
| | | |
| 1 | Text Type | TextStyle 1 |
| 2 | Font | Simplex |
| 3 | Height (All) | 0.12 |
| 4 | Height (Inside title block) | 0.0825 |



| MultiLeader Style Manager | | |
|---------------------------|-------------------|----------------------|
| | | |
| 1 | MultiLeader Style | Ascenx style |
| 2 | Type | Straight |
| 3 | Arrow head | Closed filled |
| 4 | Arrow size | 0.18 |
| 5 | Text height | 0.156 |



Format styles of Drawing (cont. 2)

Table Style for BOM Table

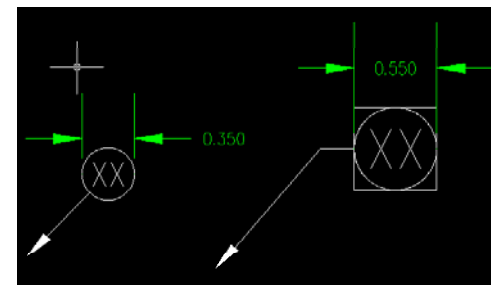
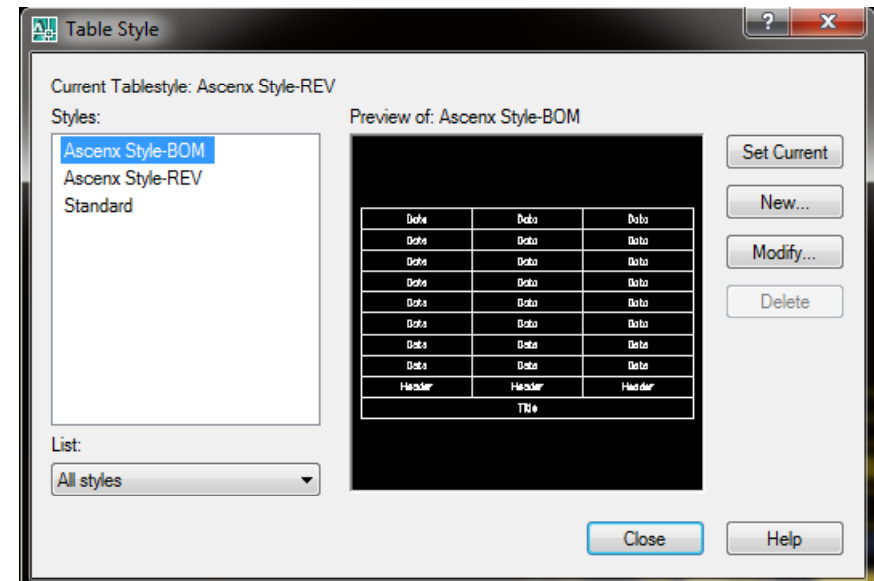
| | | |
|---|-----------|--------------------|
| | | |
| 1 | Type | Ascenx style-BOM |
| 2 | Text type | TextStyle 1_Ascenx |
| 3 | Font | Simplex |
| 4 | Height | 0.1 |

Table Style for REV Table

| | | |
|---|-----------|--------------------|
| | | |
| 1 | Type | Ascenx style_REV |
| 2 | Text type | TextStyle 1_Ascenx |
| 3 | Font | Simplex |
| 4 | Height | 0.1 |

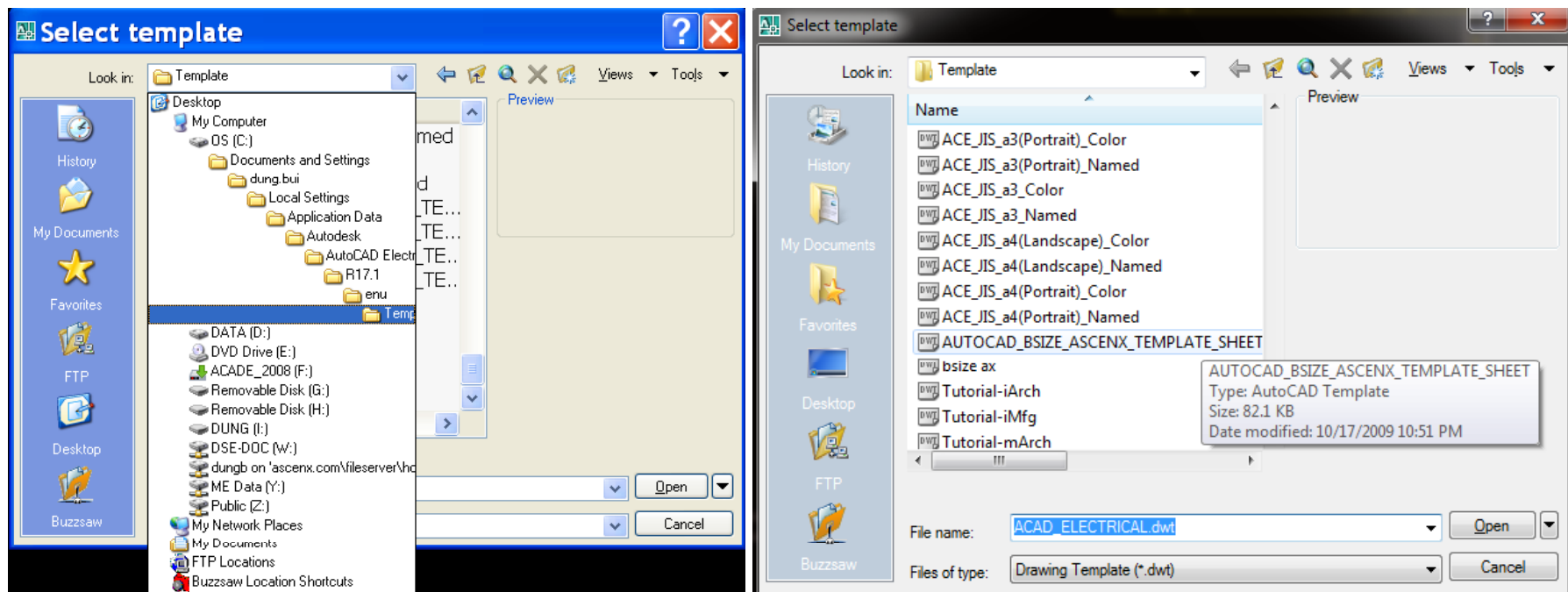
Balloon or Note for Quantity

| | | |
|--------------------|--------------------|-------------------|
| | | |
| Circle Dia. | Text Height | Text style |
| 0.55 | 0.256 | Simplex |
| 0.35 | 0.156 | Simplex |



Using Template

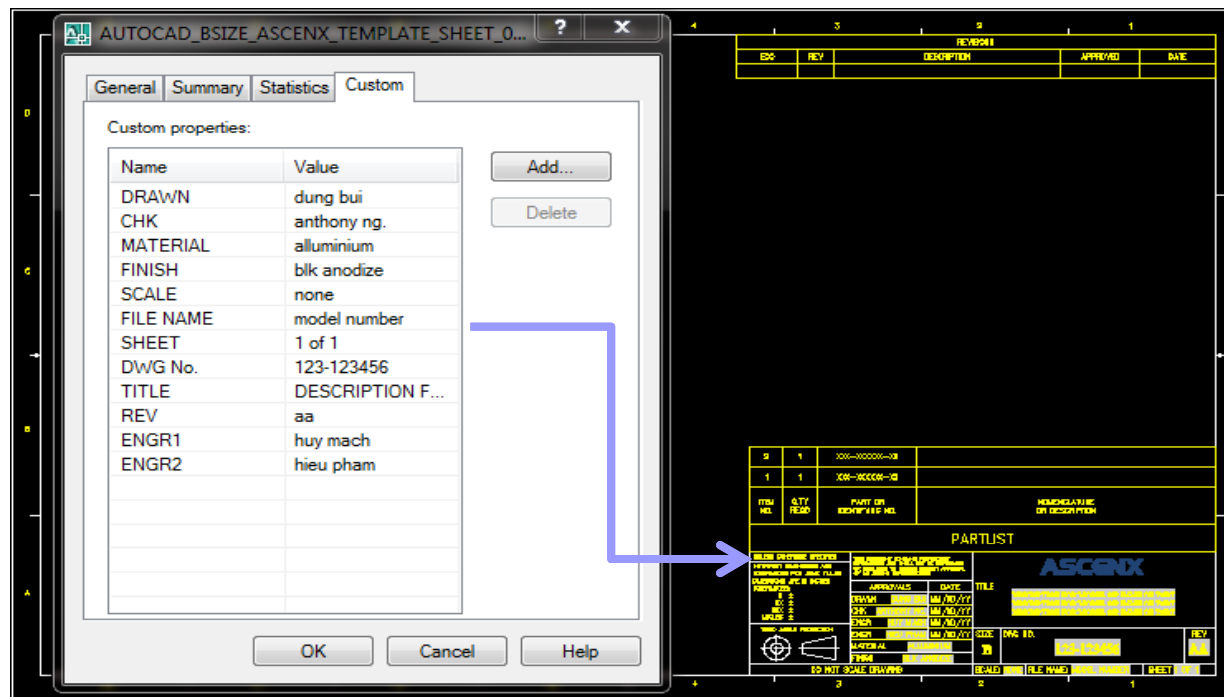
Copy file **TEMPLATE, AUTOCAD DRAWING, ASCENX (B/D SIZE, SHEET_01/02.dwt)** to folder AutoCAD as below:



Using these template when create 1 new drawing (Command: New) by choose Ascenx template

Update information for Title Block

- ❑ Go to menu **FILE\Drawing Properties** ↵ to update all information for title block such as DWG No., Drawn, Date,...
- ❑ Push “**Save**” button to refresh & update info. In Title block



Note: May use function to create other parameters for drawing

Update information for BOM & REV

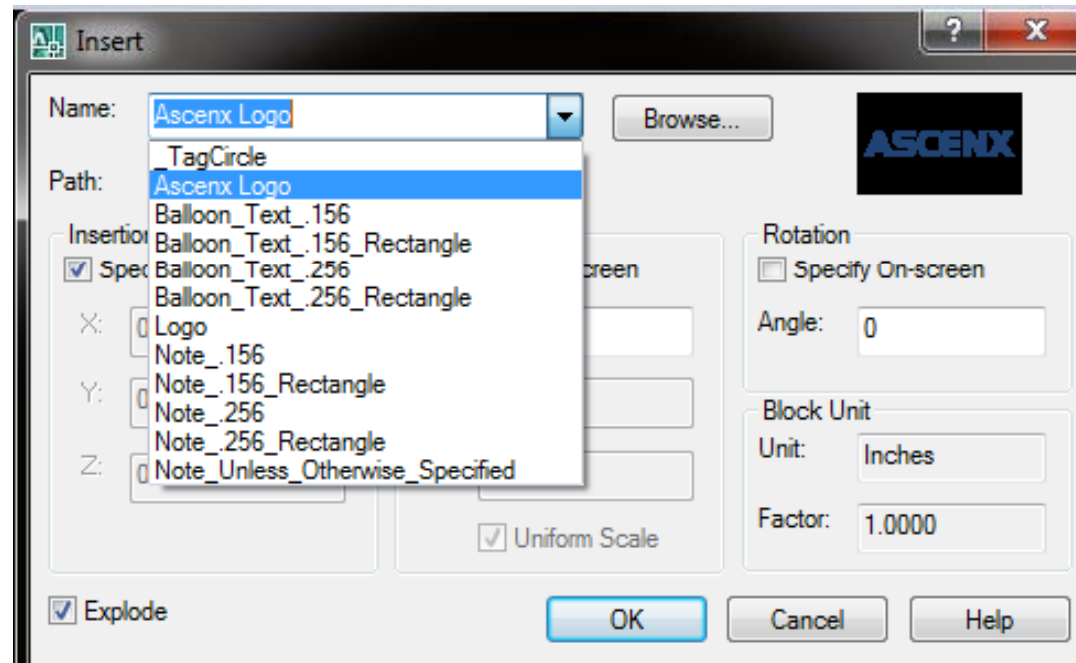
| | | | | |
|---|----------|-----------|-------------------------|-----------------------------|
| 4 | 2 | 1 | XXX-XXXXXX-XX | |
| 3 | 1 | 1 | XXX-XXXXXX-XX | |
| 2 | ITEM NO. | Q.TY REQD | PART OR IDENTIFYING NO. | NOMENCLATURE OR DESCRIPTION |
| 1 | PARTLIST | | | |
| | A | B | C | D |

| | | | | | |
|---|-----------|-----|-------------|----------|------|
| | A | B | C | D | E |
| 1 | REVISIONS | | | | |
| 2 | ECO | REV | DESCRIPTION | APPROVED | DATE |
| 3 | I | | | | |

All in information input to BOM or REV Table same with using Excel.

Using Ascenx attribute block library

Shortcut command : I



Note: Need update more block for drawing such as Connector, Terminal ring, Power supply,...

Using Plot for Ascenx style

- Parameter for printing:
 - ☐ Plot style table (pen assignment): monochrome.ctb
 - ☐ What to plot: Display - Window
 - ☐ Plot scale: fit to paper
 - ☐ Check ☒ Center the plot
 - ☐ Check Plot ☒ with styles (include Plot object with lineweights).
- How to setup a Ascenx Plotter/Printer (PDF file is same)
 - ☐ Chose plotter/printer -> properties
 - ☐ Choose Device and Document Setting tab -> Custom properties
 - ☐ Choose Paper/Quality tab -> Choose paper size and direction of paper -> OK
 - ☐ Save as printer with name "Ascenx Printer 5200" or others → OK.
 - ☐ Choose Save changes to the following file → OKSave as printer with named "Ascenx Printer 5200" → OK.
 - ☐ Choose Apply to Layout
 - ☐ If using pdfFactory Pro, pls set Metrics (Left, Top, Right, Bottom is 0.1")



THANK YOU

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BACKUP