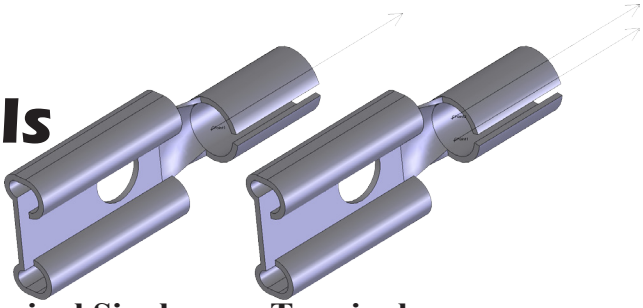
JSS

Terminals



Terminal Single Terminal

A. Component from Design Library.

Step 1. Click the **Design Library** tab in the Task Pane (right side of graphics area), **Fig. 1**.

Step 2. Expand **design library** and **routing**. Then click **electrical** folder, **Fig. 1**.

Step 3. In the lower pane, **right click terminal** and click **Open**, **Fig. 1** and **Fig. 2**.

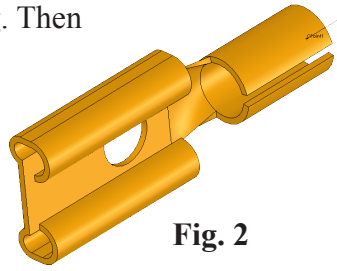


Fig. 2

Fig. 1

B. Save As "TERMINAL-26-22 SINGLE" in folder.

Step 1. Click File Menu > Save As.

Step 2. In the Save As dialog box:
key-in **TERMINAL-26-22 SINGLE** for file name, **Fig. 3**

navigate to **My Documents/Tech Ed 14-15 folder**
click **New folder** button, **Fig. 3**
key-in:
My Electrical Routing for folder name, **Fig. 4**

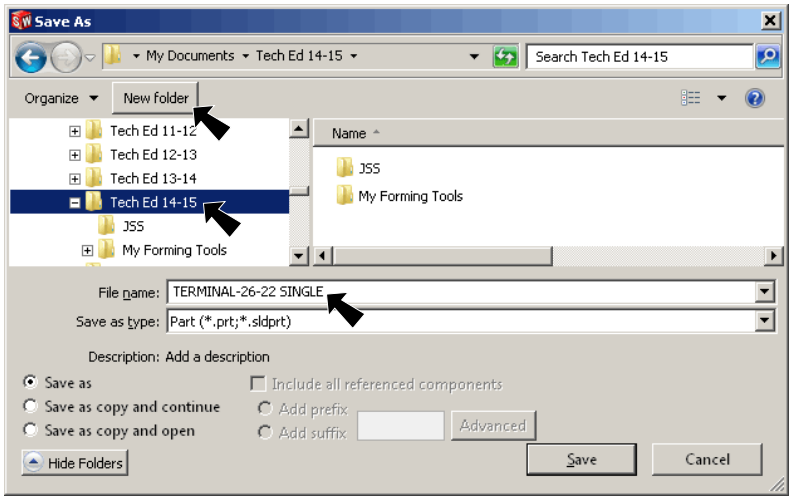


Fig. 3

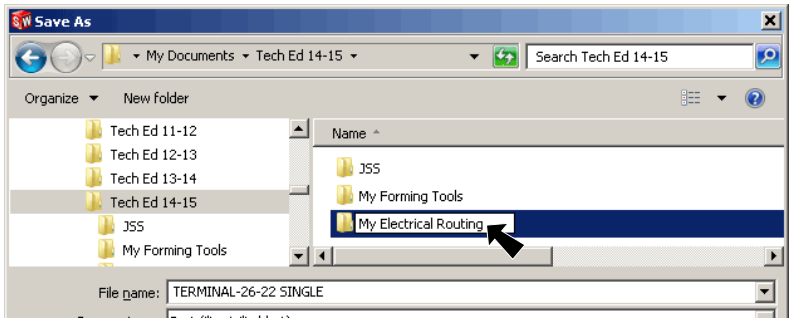


Fig. 4

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Double click My Electrical Routing folder, **Fig. 5**

click **Save**, **Fig. 6**.

Step 3. Later, we will add the new My Electrical Routing Folder to the Design Library. For now, we'll just save our electrical components into the My Electrical Routing folder.

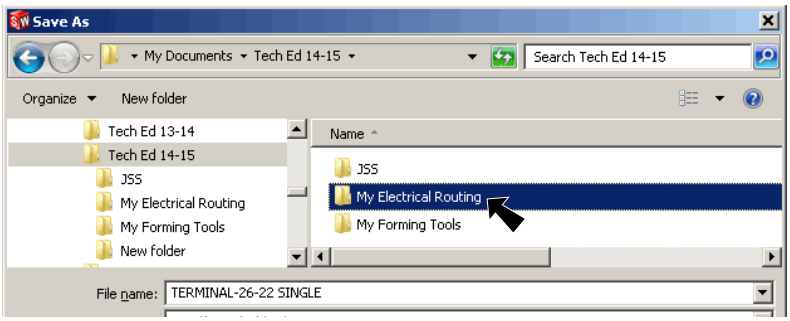

Fig. 5

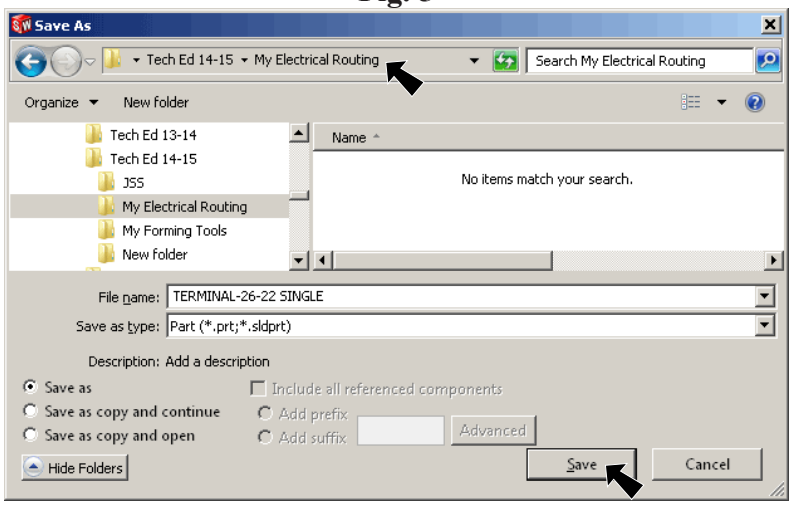

Fig. 6

C. Reorder Cut-Extrude1.

Step 1. In the Feature Manager drag the **Cut-Extrude1** to **Loft2** feature, **Fig. 7** and **Fig. 8**. This will move the Cut-Extrude1 feature above Sketch6.

Step 2. Click **Sketch6** in the Feature Manager and click **Rollback** on the Context toolbar, **Fig. 8**.

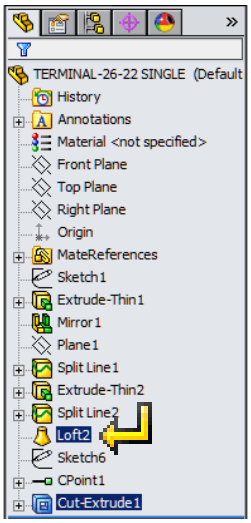

Fig. 7

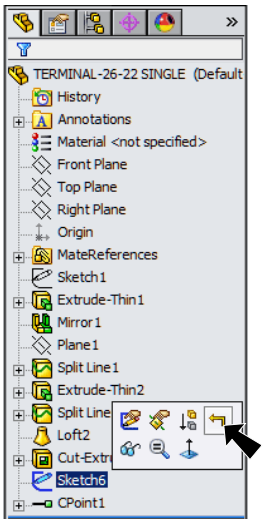

Fig. 8

D. Scale .6.

Step 1. Click Insert Menu > Features > Scale.

Step 2. In the Scale Property Manager:
under Scale about:, **Fig. 9**
select **Origin**
Scale Factor .6
click OK ✔, **Fig. 10**.

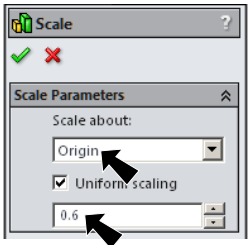

Fig. 9

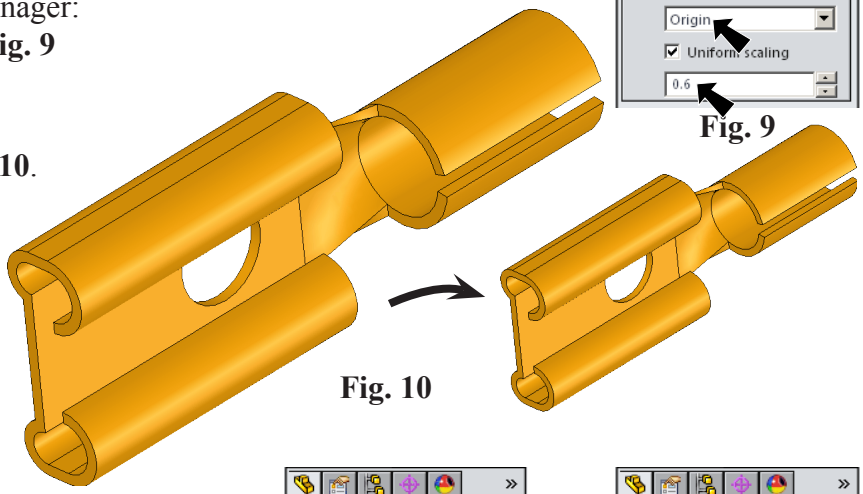
Fig. 10

Step 3. **Right click Sketch6** in the Feature Manager and click **Roll to End** from menu, **Fig. 11**.

Step 4. Click **Rebuild** in the Standard toolbar. **(Ctrl-B)**

E. Edit Sketch Plane.

Step 1. Click **Sketch6** in the Feature Manager and click **Edit Sketch Plane** on the Content toolbar, **Fig. 12**.

Step 2. In the Sketch Plane Property Manager set:
under Sketch Plane/Face, **Fig. 13**
click **inside end face of barrel**, **Fig. 14**
click OK ✔.

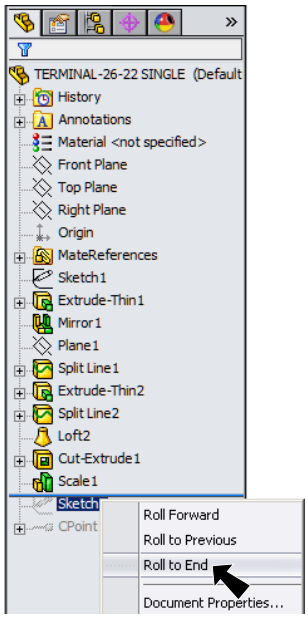

Fig. 11

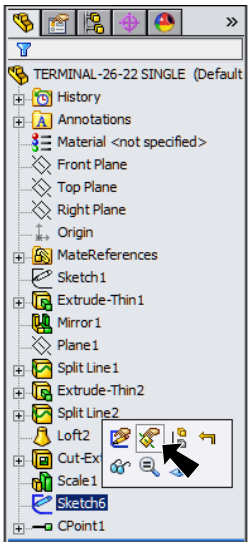

Fig. 12

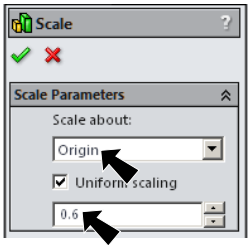

Fig. 13

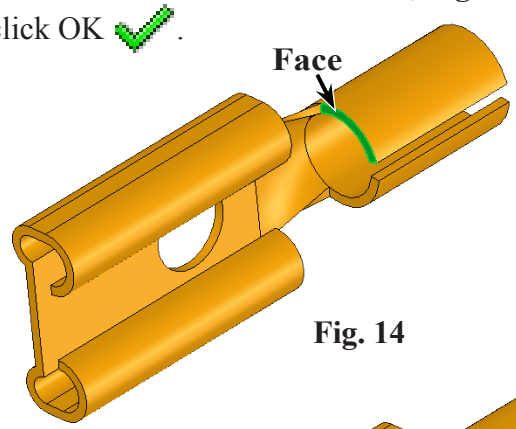

Fig. 14

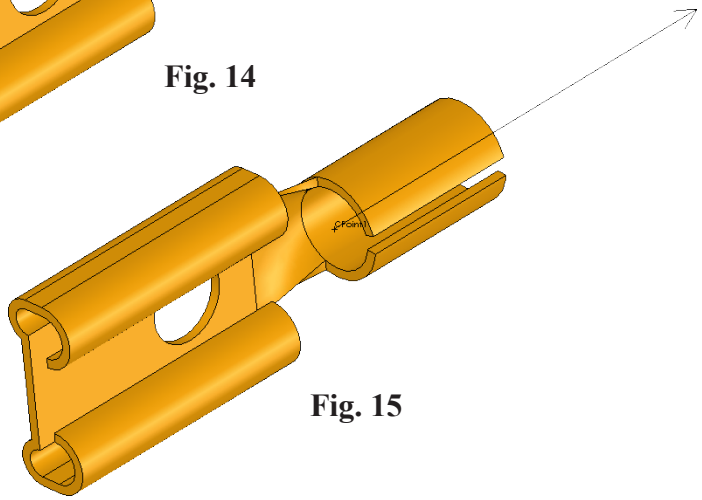
Fig. 15

F. Appearance.

Step 1. Click the part to select the part, click **Appearance Callout** on the Context toolbar and click **TERMINAL...**, **Fig. 16**.

Step 2. In the Appearances Property Manager
under Color, **Fig. 17**
click the **3rd swatch in gray column**
click OK , **Fig. 18**.

Step 3. Save. Use **Ctrl-S**.

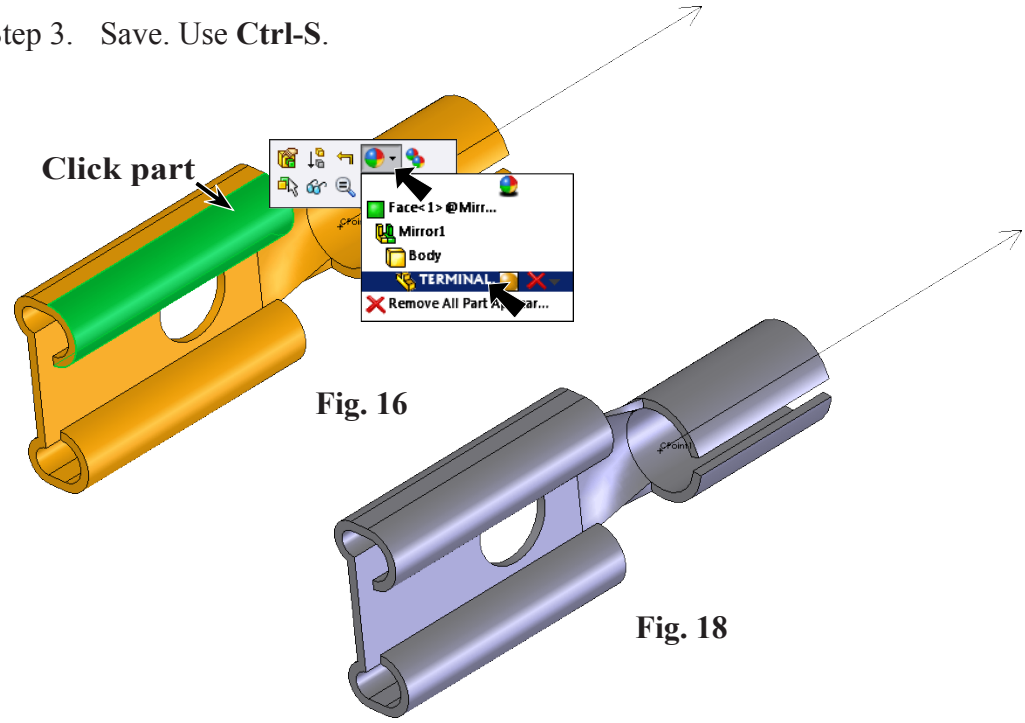

Fig. 16

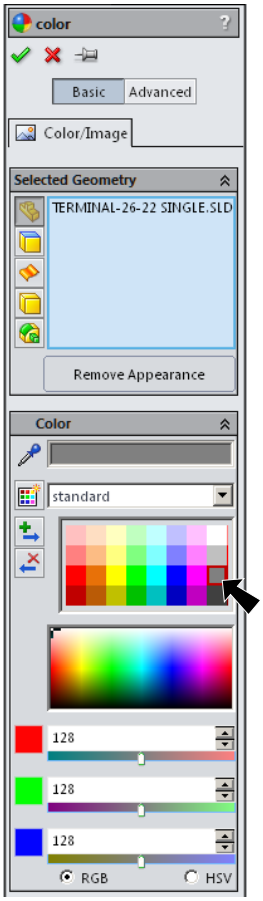

Fig. 17

Fig. 18

G. Save As "TERMINAL-26-22.

Step 1. Save. Use **Ctrl-S** to save TERMINAL-26-22 SINGLE - very important to save now.

Step 2. Click File Menu > Save As.

Step 3. Key-in **TERMINAL-26-22** for the filename and Save.
You now have two Terminals files, TERMINAL-26-22 SINGLE and TERMINAL-26-22.
Next, we add a second C Point to TERMINAL-26-22.

H. Add C Point Location.

Step 1. Show Origin. To show, click **Origin** in the Feature Manager and click **Shows origin** on the Context toolbar, **Fig. 19**.

Step 2. Click **Sketch6** in the Feature Manager and click **Edit Sketch** on the Context toolbar, **Fig. 20**.

Step 3. Click **Normal To** on the Standard Views toolbar. (**Ctrl-8**)

Step 4. Click the **Point** at the Origin to display Coincident icon, **Fig. 21**.

Step 5. Click the **Coincident Relation icon** and press **Delete** key, **Fig. 22**.

Step 6. Grab the Point and drag up off of the Origin, **Fig. 23**.

Step 7. **Ctrl click Point** and **Origin** to select both. **Release Ctrl key** and click **Make Vertical** on the Context toolbar, **Fig. 24**.

Step 8. Click **Centerline** in the **Line flyout** on the Sketch toolbar.

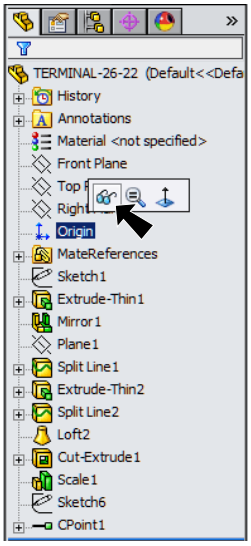

Fig. 19

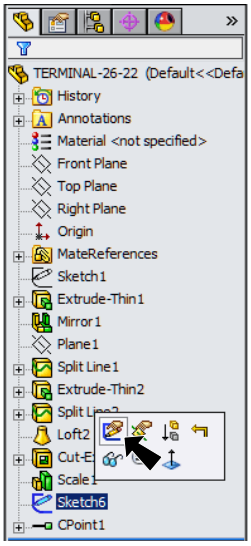

Fig. 20

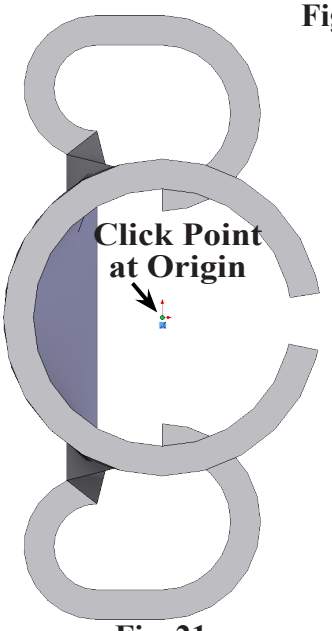

Fig. 21

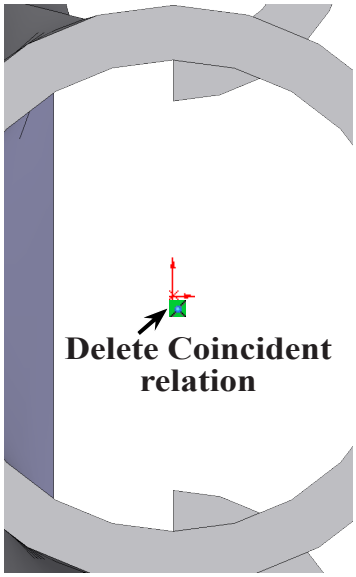

Fig. 22

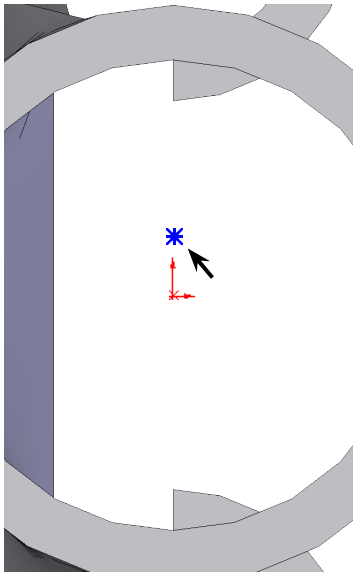

Fig. 23

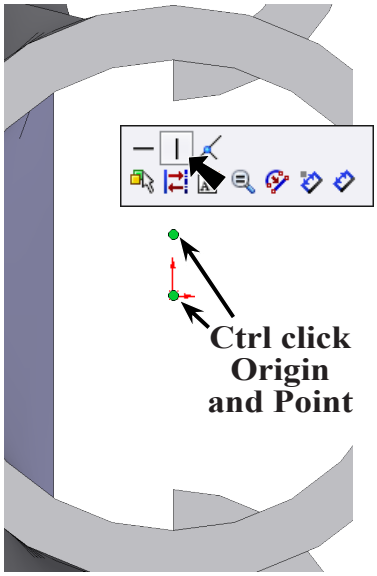

Fig. 24

Step 9. Draw a **horizontal centerline out from Origin**, **Fig. 25**.

Step 10. Click **Smart Dimension** (**S**) on the Sketch toolbar.

Step 11. Add **.4** dimension, **Fig. 26**.

Step 12. **Right click graphics area and click Select** from menu to unselect Smart Dimension.

Step 13. **Ctrl click Point and horizontal construction line** to select both, **Fig. 27**.

Step 14. Click **Mirror Entities** on the Sketch toolbar, **Fig. 28**.

Step 15. Click **Exit Sketch** on the Sketch toolbar.

Step 16. Save. Use **Ctrl-S**.

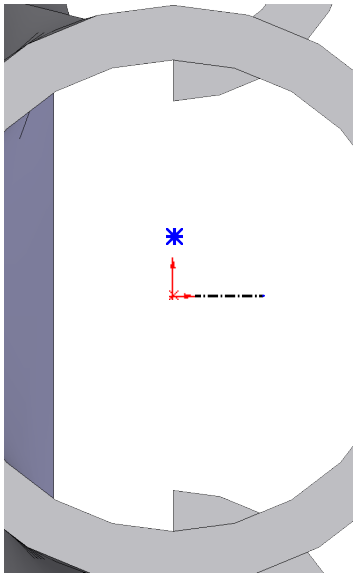

Fig. 25

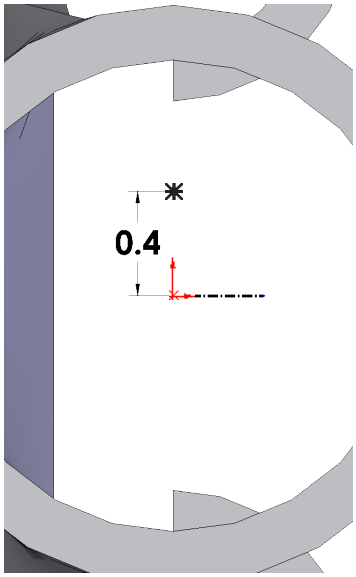

Fig. 26

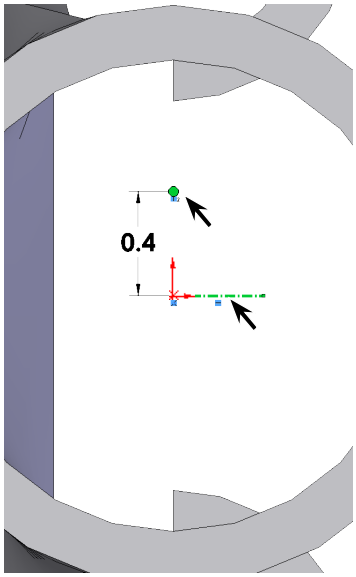

Fig. 27

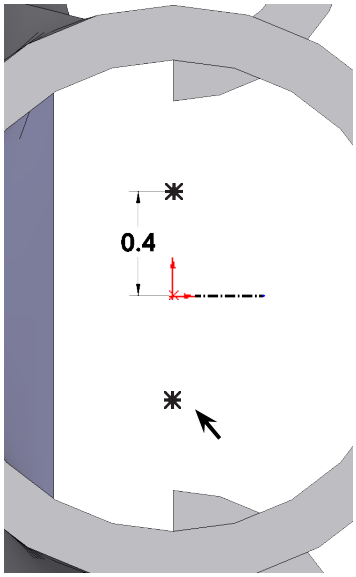

Fig. 28

I. Create C Point.

Step 1. **Show Sketch6**. To show, click the **Sketch6** in the Feature Manager and click **Show** on the Context toolbar, **Fig. 29**.

Step 2. Click **Previous View** on the Standard Views toolbar (**Ctrl-Shift-Z**) until you return to the previous view of **inside end face of terminal** and **mirrored Point**, **Fig. 30**.

Step 3. Click Routing Menu > Routing Tools > Create Connection Point.

Step 4. In the Connection Point Property Manager set:
under Selections, **Fig. 31**
click **end face of Terminal**
and **mirrored Point**, **Fig. 30**
check **Reverse direction**
click OK .

Step 5. **Hide Sketch6**. To hide, click the **Sketch6** in the Feature Manager and click **Hide** on the Context toolbar, **Fig. 33**.

Step 6. Save. Use **Ctrl-S**.

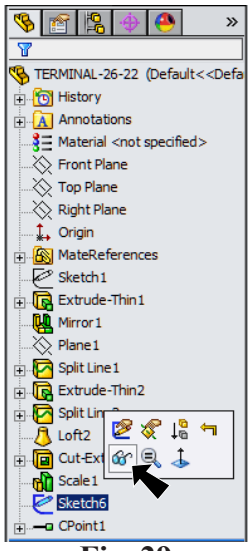

Fig. 29

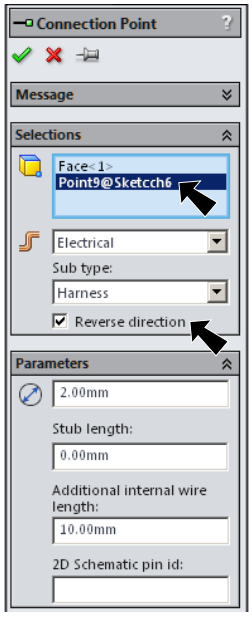

Fig. 31

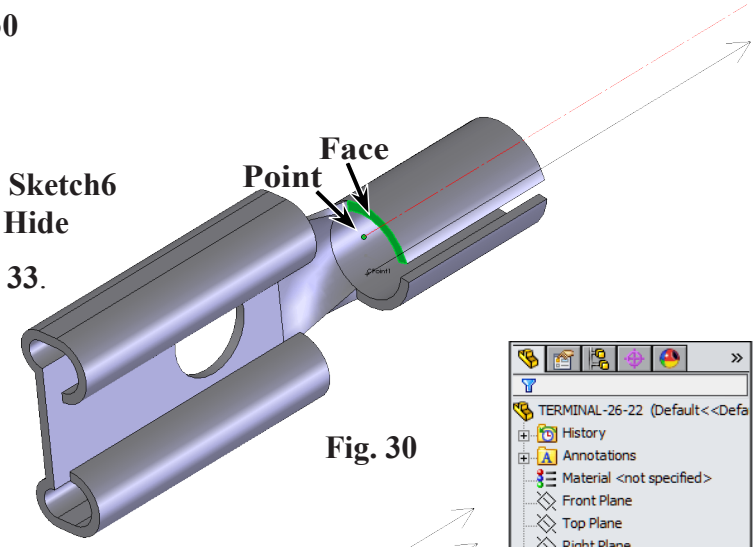

Fig. 30

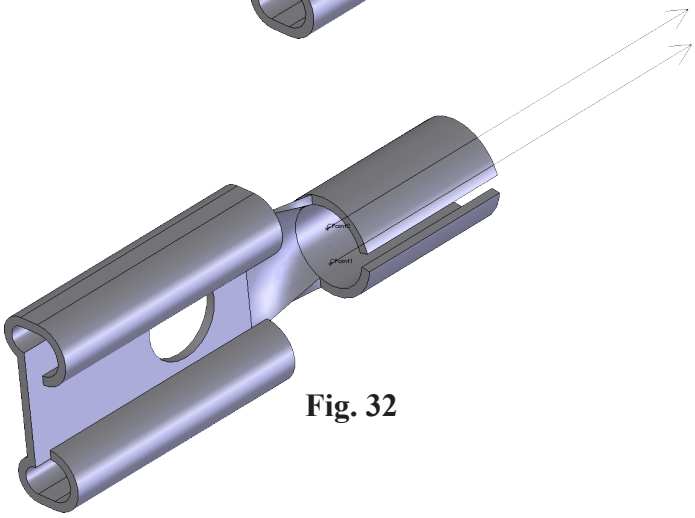

Fig. 32

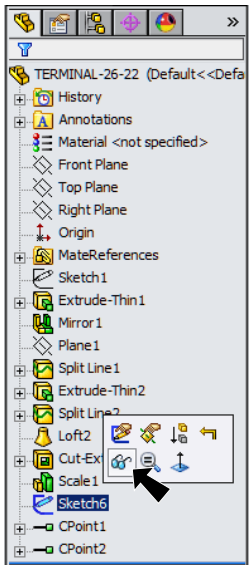

Fig. 33