$a := 40 \ mm$
$b := 50 \ mm$
$c := 25 \ mm$
$d := 80 \ mm$
$e := 78 \ mm$
$f := 20 \ mm$
$g := 70 \ mm$

$h := \sqrt{(6.5 \ mm)^2 + (12 \ mm)^2} = 13.647 \ mm$

$\theta_a := 89.76 \ deg$

$\theta_d := 43.9 \ deg$

$\theta_h := \operatorname{atan}\left(\dfrac{6.5}{12}\right) + 90 \ deg = 118.443 \ deg$

$z := 46 \ mm$

$q := \sqrt{a^2 + z^2 - 2 \ a \cdot z \cdot \cos(\theta_a)} = 60.832 \ mm$

$\theta_Q := \operatorname{acos}\left(\dfrac{a^2 + q^2 - z^2}{2 \cdot a \cdot q}\right) = 49.128 \ deg$

$\theta_{Q'} := \operatorname{acos}\left(\dfrac{q^2 + b^2 - c^2}{2 \cdot q \cdot b}\right) = 23.573 \ deg$

$\theta_b := \theta_Q + \theta_{Q'} = 72.701 \ deg$

$\theta_{q'} := \operatorname{acos}\left(\dfrac{q^2 + c^2 - b^2}{2 \cdot q \cdot c}\right) = 53.116 \ deg$

$\theta_q := \operatorname{acos}\left(\dfrac{z^2 + q^2 - a^2}{2 \cdot q \cdot z}\right) = 41.112 \ deg$

$\theta_c := \pi - \theta_q - \theta_{q'} = 85.772 \ deg$

$\theta_k := \dfrac{\pi}{2} - \theta_d = 46.1 \ deg$

$j := \sqrt{c^2 + h^2 - 2 \cdot c \cdot h \cdot \cos(\theta_h)} = 33.708 \ mm$ constant

$\theta_{c'} := \operatorname{acos}\left(\dfrac{c^2 + j^2 - h^2}{2 \cdot c \cdot j}\right) = 20.854 \ deg$

$\theta_{c''} := \theta_c - \theta_{c'} = 64.917 \ deg$

$m := \sqrt{j^2 + d^2 - 2 \cdot j \cdot d \cdot \cos(\theta_{c''} + \theta_k)} = 97.317 \ mm$

$\theta_f := \operatorname{acos}\left(\dfrac{e^2 + f^2 - m^2}{2 \cdot e \cdot f}\right) = 163.184 \ deg$

$$\theta_{E'} := \text{acos}\left(\frac{h^2 + j^2 - c^2}{2 \cdot h \cdot j}\right) = 40.703 \ \boldsymbol{deg}$$

$$\theta_{E''} := \text{acos}\left(\frac{j^2 + m^2 - d^2}{2 \cdot j \cdot m}\right) = 50.118 \ \boldsymbol{deg}$$

$$\theta_{E'''} := \text{acos}\left(\frac{e^2 + m^2 - f^2}{2 \cdot e \cdot m}\right) = 3.409 \ \boldsymbol{deg}$$

$$\theta_e := \theta_{E'} + \theta_{E''} + \theta_{E'''} = 94.229 \ \boldsymbol{deg}$$

$$\theta_{b'} := \pi - \theta_a - \theta_b = 17.539 \ \boldsymbol{deg}$$

$$\theta_{h'} := \theta_c + \theta_h - \pi = 24.215 \ \boldsymbol{deg}$$

$$\theta_{e'} := 2 \cdot \pi - \theta_c - \theta_h - \theta_e = 61.556 \ \boldsymbol{deg}$$

$$\theta_{f'} := \theta_f - \theta_{e'} = 101.628 \ \boldsymbol{deg}$$

$$x_a := \cos\left(\theta_{f'}\right) \cdot (f + g) = -18.14 \ \boldsymbol{mm}$$

$$x := a \cdot \cos\left(\theta_a\right) + b \cdot \cos\left(\theta_{b'}\right) + h \cdot \cos\left(\theta_{h'}\right) + e \cdot \cos\left(\theta_{e'}\right) - \cos\left(\theta_{f'}\right) \cdot (f + g) = 115.581 \ \boldsymbol{mm}$$

$$y := d \cdot \cos\left(\theta_d\right) + g \cdot \sin\left(\theta_{f'}\right) = 126.208 \ \boldsymbol{mm}$$

$$x = 115.581 \ \boldsymbol{mm}$$
$$y = 126.208 \ \boldsymbol{mm}$$