Using Mathematica, we find that:

$$T_{06} = \begin{bmatrix} c_{11} & c_{12} & c_{13} & p_{06}^{x} \\ c_{21} & c_{22} & c_{23} & p_{06}^{y} \\ c_{31} & c_{32} & c_{33} & p_{06}^{z} \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

where,

$$c_{11} = -\mathrm{s}(\theta 1)(\mathrm{c}(\theta 5)\mathrm{c}(\theta 6)\mathrm{s}(\theta 4) + \mathrm{c}(\theta 4)\mathrm{s}(\theta 6)) - \mathrm{c}(\theta 1)(\mathrm{c}(\theta 6)\mathrm{s}(\theta 2)\mathrm{s}(\theta 5) + \mathrm{c}(\theta 2)(\mathrm{s}(\theta 4)\mathrm{s}(\theta 6) - \mathrm{c}(\theta 4)\mathrm{c}(\theta 5)\mathrm{c}(\theta 6)))$$
$$c_{12} = (\mathrm{c}(\theta 5)\mathrm{s}(\theta 1)\mathrm{s}(\theta 4) + \mathrm{c}(\theta 1)(\mathrm{s}(\theta 2)\mathrm{s}(\theta 5) - \mathrm{c}(\theta 2)\mathrm{c}(\theta 4)\mathrm{c}(\theta 5)))\mathrm{s}(\theta 6) - \mathrm{c}(\theta 6)(\mathrm{c}(\theta 4)\mathrm{s}(\theta 1) + \mathrm{c}(\theta 1)\mathrm{c}(\theta 2)\mathrm{s}(\theta 4))$$
$$c_{13} = \mathrm{s}(\theta 1)\mathrm{s}(\theta 4)\mathrm{s}(\theta 5) - \mathrm{c}(\theta 1)(\mathrm{c}(\theta 5)\mathrm{s}(\theta 2) + \mathrm{c}(\theta 2)\mathrm{c}(\theta 4)\mathrm{s}(\theta 5))$$
$$c_{21} = -\mathrm{c}(\theta 6)\mathrm{s}(\theta 1)\mathrm{s}(\theta 2)\mathrm{s}(\theta 5) + \mathrm{c}(\theta 1)(\mathrm{c}(\theta 5)\mathrm{c}(\theta 6)\mathrm{s}(\theta 4) + \mathrm{c}(\theta 4)\mathrm{s}(\theta 6)) + \mathrm{c}(\theta 2)\mathrm{s}(\theta 1)(\mathrm{c}(\theta 4)\mathrm{c}(\theta 5)\mathrm{c}(\theta 6) - \mathrm{s}(\theta 4)\mathrm{s}(\theta 6))$$
$$c_{22} = \mathrm{c}(\theta 1)(\mathrm{c}(\theta 4)\mathrm{c}(\theta 6) - \mathrm{c}(\theta 5)\mathrm{s}(\theta 4)\mathrm{s}(\theta 6)) + \mathrm{s}(\theta 1)(\mathrm{s}(\theta 2)\mathrm{s}(\theta 5)\mathrm{s}(\theta 6) - \mathrm{c}(\theta 2)(\mathrm{c}(\theta 6)\mathrm{s}(\theta 4) + \mathrm{c}(\theta 4)\mathrm{c}(\theta 5)\mathrm{s}(\theta 6)))$$
$$c_{23} = -\mathrm{c}(\theta 5)\mathrm{s}(\theta 1)\mathrm{s}(\theta 2) - (\mathrm{c}(\theta 2)\mathrm{c}(\theta 4)\mathrm{s}(\theta 1) + \mathrm{c}(\theta 1)\mathrm{s}(\theta 4))\mathrm{s}(\theta 5)$$
$$c_{31} = \mathrm{c}(\theta 4)\mathrm{c}(\theta 5)\mathrm{c}(\theta 6)\mathrm{s}(\theta 2) - \mathrm{s}(\theta 4)\mathrm{s}(\theta 6)\mathrm{s}(\theta 2) + \mathrm{c}(\theta 2)\mathrm{c}(\theta 6)\mathrm{s}(\theta 5)$$
$$c_{32} = -\mathrm{c}(\theta 6)\mathrm{s}(\theta 2)\mathrm{s}(\theta 4) - (\mathrm{c}(\theta 4)\mathrm{c}(\theta 5)\mathrm{s}(\theta 2) + \mathrm{c}(\theta 2)\mathrm{s}(\theta 5))\mathrm{s}(\theta 6)$$
$$c_{33} = \mathrm{c}(\theta 2)\mathrm{c}(\theta 5) - \mathrm{c}(\theta 4)\mathrm{s}(\theta 2)\mathrm{s}(\theta 5)$$
$$p_{06}^{x} = d6\,\mathrm{s}(\theta 1)\mathrm{s}(\theta 4)\mathrm{s}(\theta 5) - \mathrm{c}(\theta 1)((d3 + d4 + d6\,\mathrm{c}(\theta 5))\mathrm{s}(\theta 2) + d6\,\mathrm{c}(\theta 2)\mathrm{c}(\theta 4)\mathrm{s}(\theta 5))$$
$$p_{06}^{y} = -(d3 + d4 + d6\,\mathrm{c}(\theta 5))\mathrm{s}(\theta 1)\mathrm{s}(\theta 2) - d6(\mathrm{c}(\theta 2)\mathrm{c}(\theta 4)\mathrm{s}(\theta 1) + \mathrm{c}(\theta 1)\mathrm{s}(\theta 4))\mathrm{s}(\theta 5)$$
$$p_{06}^{z} = d1 + \mathrm{c}(\theta 2)(d3 + d4 + d6\,\mathrm{c}(\theta 5)) - d6\,\mathrm{c}(\theta 4)\mathrm{s}(\theta 2)\mathrm{s}(\theta 5)$$