

System Report: Franka Emika Panda

System Failure Probability:

7.41E-05

Components:

Component: Joint_1

Failure Probability: 3.58E-08

Component: Joint_2

Failure Probability: 3.58E-08

Component: Joint_3

Failure Probability: 3.58E-08

Component: Joint_4

Failure Probability: 3.58E-08

Component: Joint_5

Failure Probability: 3.58E-08

Component: Joint_6

Failure Probability: 3.58E-08

Component: Joint_7

Failure Probability: 3.58E-08

Component: Controller

Failure Probability: 2.17E-10

Component: Power_Supply

Failure Probability: $6.67\text{E-}08$

Component: Gripper

Failure Probability: $7.34\text{E-}08$

Component: Camera

Failure Probability: $1.03\text{E-}09$

Component: Sensors

Failure Probability: $5.92\text{E-}08$

Skills:

Skill: object_detection

Failure Probability: $8.44\text{E-}07$

Skill: move

Failure Probability: $6.27\text{E-}07$

Skill: pick

Failure Probability: $1.74\text{E-}06$

Skill: carry

Failure Probability: $9.49\text{E-}07$

Skill: place

Failure Probability: $1.74\text{E-}06$

Skill: reset

Failure Probability: $1.59\text{E-}06$

System failure probability

