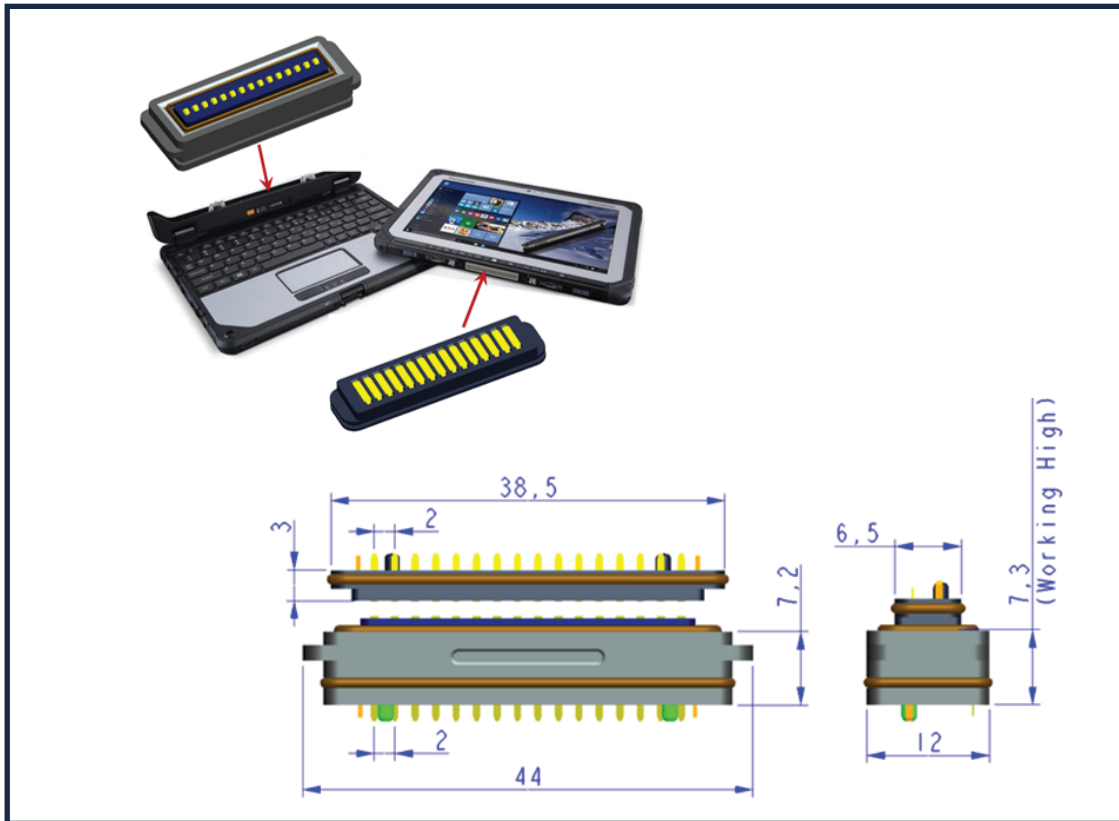


# HIGH SPEED TRANSMISSION DOCKING CONNECTOR



## OVERVIEW

Customer required 2.0mm pitch, high speed transmission docking connector with 5Gbps.

## SERVICES PERFORMED

- ▶ Impedance matched contact design
- ▶ Durability of 30,000 cycles

## CHALLENGES

- ▶ Required 5Gbps utilizing differential signals
- ▶ Required ingress protection rating of IP65
- ▶ required to be halogen-free

## RESULTS

- ▶ Rating: 30 Volts DC (per pin)
- ▶ Contact resistance: 30 m  $\Omega$  max.
- ▶ Operating Temperature: -40°C - +85°C
- ▶ Insulation Resistance: 100 M  $\Omega$  min.
- ▶ Dielectric Withstanding Voltage: 500VAC min.