

Quad Small Form-Factor Pluggable (QSFP) Interconnect System

Withwave's [QSFP28 connector](#) is designed with 38 pins in 0.8mm pitch and is based on differential pair 100 ohm. With four data channels in one connector, data can be transferred at up to 28 Gbps/channel. This interface can replace 4 standard SFP+ with one, saving space and cost.



Specification

■ MECHANICAL PERFORMANCE

- Mating Cycles : 250cycles
- Mating Force 60N max.
- Un-mating Force 30N max.

■ ELECTRICAL PERFORMANCE

- Contact Resistance: <math><10\text{m}\Omega</math> change from initial reading after environmental exposure
- Current Rating(with <math><30^\circ\text{C}</math> temperature rise above ambient): 0.5A min.
- Insulation Resistance : 1000Mohm min.
- Withstanding Voltage : 300Vrms min.

■ MATERIAL

- Housing : High-Temperature LCP, UL94V-01
- Contacts : High performance Copper Alloy
- Plating(s) :

Contact Area - Au 0.76 μm , Ni 1.27 μm

Lead - Sn 2.54 μm , Ni 1.27 μm

■ ENVIRONMENTAL

- Operating Temperature range : -40 to +85 $^\circ\text{C}$
- RoHS Compliant



