

HRS

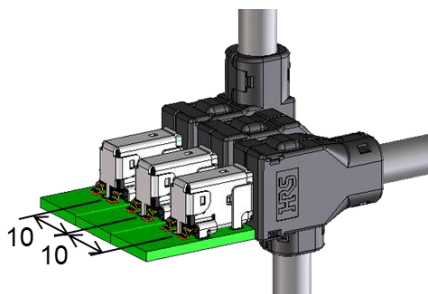
IX Series

Compact and Rugged I/O Connector with Positive Lock and 3 Gbps Data Transmission Capability for Industrial Application

◆ Features

1. Compact ruggedized I/O connector designed for industrial application, ideal for downsizing the module
2. Snap-in connector with positive lock mechanism, which provides clear tactile click and ensures secure mating
3. Structure to resist cable wrenching
4. Shielding structure to prevent EMI/ESD
5. High-speed data transmission capability up to 3 Gbps x 4-pair
6. THR (Through-Hole Reflow) soldering capability
7. RoHS-compliant

◆ Compact and Space Saving



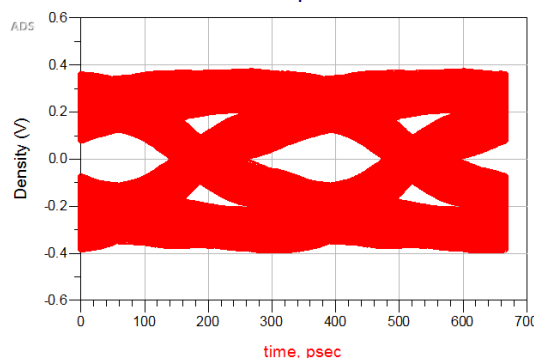
The receptacles can be mounted in parallel with 10 mm pitch distance. The smaller footprint of the juxtaposed receptacles is ideal for downsizing a unit comprising multiple I/O modules for daisy-chaining.

◆ Eye Diagram

3.0 Gbps (Cable: 5 m)

Bit Rate : 3 Gbps

Rise / Fall Time : 40 ps



◆ Specifications

COMPONENT		MATERIAL	FINISH, REMARKS
Plug	Housing	PA	UL94V-0, Black
	Contact	Copper alloy	Gold-plated
	Retainer	LCP	UL94V-0, Black
	Plug shell	Stainless steel	Nickel-plated
	Button	PBT	UL94V-0, Black
	Cover	PC	UL94V-0, Black
Receptacle	Housing	LCP	UL94V-0, Black
	Contact	Copper alloy	Gold-plated
	Shell	Stainless steel	Tin-plated

Operating Temperature Range	-40 °C to +80 °C (include the temperature rising caused by current flow)
Rated Current (per pin)	0.5 A (all pins), 1 A (any 2 pins), 2 A (pin No. 1 and No. 8 only)
Rated Voltage	30 V AC
Insulation Resistance	5000 MΩ MAX. (250 V DC)
Withstanding Voltage	250 V AC for 1 min.
Durability	5000 cycles

Specifications herein are subject to change without notice. Contact Hirose for latest specifications, drawings or availabilities.