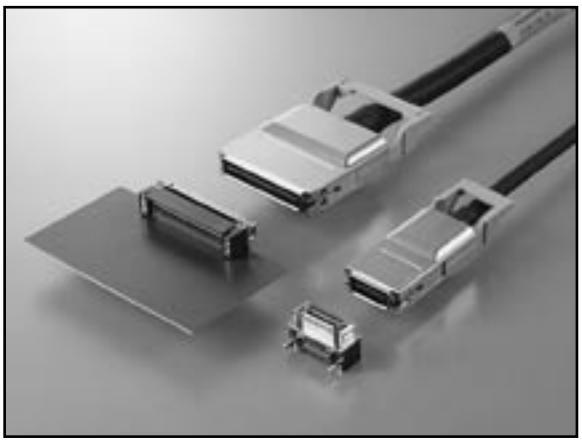
DG1 SERIES CONNECTORS

Infiniband Trade Association ™ Compliant Connector and Cable Assemblies



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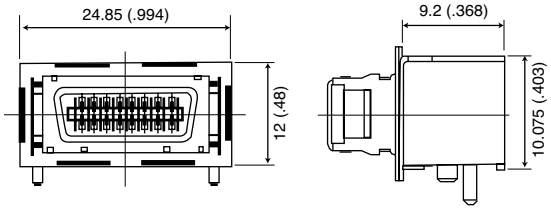
DG1 Series connectors is a high speed, balanced transmission, IBTA compliant external interconnect system for servers, switches, routers, and storage systems.

FEATURES

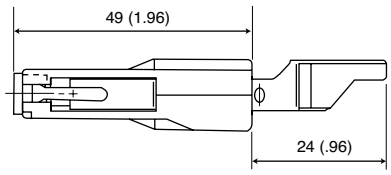
- 4X and 12X interconnects meet and exceed IBTA performance requirements
- Two step locking system provide audible, tactile, and visual positive mating indicators
- One piece panel locking clip provides a stable and secure 360° panel interface that is easy to install and improves EMI performance
- Receptacle rear shield cover and fingered locking clip available for applications requiring higher EMI performance.*
- Lead free

Connector Profile (Ref.)

•Receptacle



•Plug



GENERAL SPECIFICATIONS

Number of Contacts	25 for 4X / 73 for 12X
Current Rating	0.5A
NEXT	Less than 4%
Dielectric Withstanding Voltage	500VDC per minute
Insulation Resistance	1000 megohm max.
Contact Resistance	Initial: 80 milliohms (max.) After Test: >20 milliohms
Operating Temperature	-25°C to +70°C
Transmission speed	DC - 5 Gbps+
Mating durability	250 cycles

MATERIALS AND FINISHES*

Description	Materials/Finishes
•Receptacle	
Base Insulator	Glass filled LCP (UL94V-0)
Shell	Steel/Nickel
Signal contact	Copper Alloy Connecting area: Gold over Nickel (Gold 76µ in min.(.030")) Terminal area: Tin-Lead
Ground contact	Copper Alloy Connecting area: Gold (76µ in min. (.030")) Terminal area: Tin-Lead
Lock plate	Steel over Tin
EMI Gasket	Stainless steel
•Plug	
Back shell	Zinc/ Nickel
Lock spring	Stainless steel
Lanyard	Polycarbonate (UL94V-0)
Screw	Steel / Nickel
Insulator	Glass filled LCP (UL94V-0)
Signal contact	Copper Alloy Mating area: Gold over Nickel (Gold 76µ in min. (.030"))
Ground contact	Copper Alloy Mating area: Gold over Nickel (Gold 76µ in min. (.030"))
Paddle card	FR4
Cable clamp	Copper Alloy / Nickel
Ring	Copper Alloy / Nickel

• Please consult JAE for verification of product availability.

Dimensions and specifications subject to change without notice.