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## SFP+ High Speed Direct Attach Copper Cable Assemblies

The SFP+ direct attach copper cable assemblies(DAC) are high speed, cost effective alternative to fiber optics solution in 10Gb Ethernet, 8Gb Fiber channel and Infiniband applications. SFP+ DAC enable hardware OEMs and data center operators to achieve high port density at a low cost and reduced power requirement. HTD SFP+ DAC meets the industry MSA for signal integrity performance.



### Product Features:

- MSA SFF-8431 compliant
- Supports serials data rates up to 10Gbps
- Down to 1Gbps compatible
- Hot pluggable
- Low cost effective to Fiber optics solution
- Low power consumption
- Enhanced EMI suppression
- Pull to release retractable pin latch
- 24 through 30AWG cable available

### Applications:

- Switches
- Servers, Routers and Hubs
- Enterprise storage
- Telecommunication equipment

### Protocol:

- 10G Ethernet(IEEE802.3ae)
- 1/2/4/8GFC Fiber channel
- Infiniband: SDR(2.5Gbps) 、 DDR(5Gbps) 、 QDR(10Gbps)

**Product details:**

**Connector:**

Backshell	Nickel plated Zinc diecast
PCB finger	Gold plated
PCB	20Pin/0.8mm pitch
EMI Spring	Nickel plated copper alloy
Pull tab	Injection Molding

**Raw Cable:**

Impedance	100 Ohms
Jacket	PVC
Inner/Outer Shield	Al-tape/Tin plated copper braid
Conductor	Silver plated copper
Intra-SKEW	<10PS/m
Inter-SKEW	<60PS/m

**Environment:**

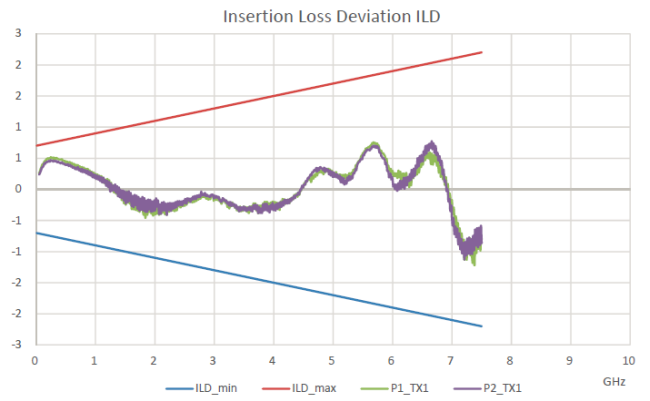
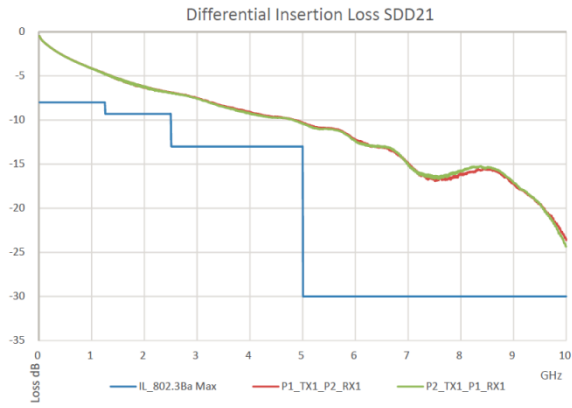
Storage temp	-40~80°C
Working temp	0~70°C
Environmental	RoHS

**Electrical:**

Working	3.3V
Withstanding voltage	300V
Insulation resistance	1000Mohm

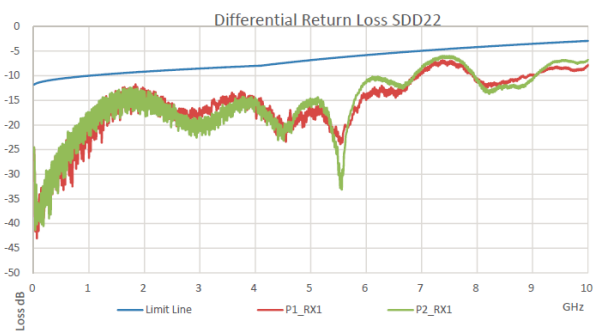
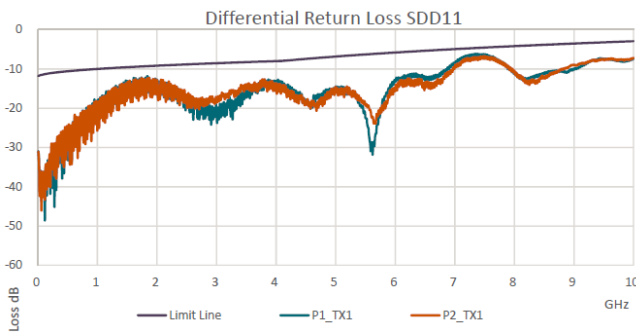
**S-parameter test results:**

Insertion loss:

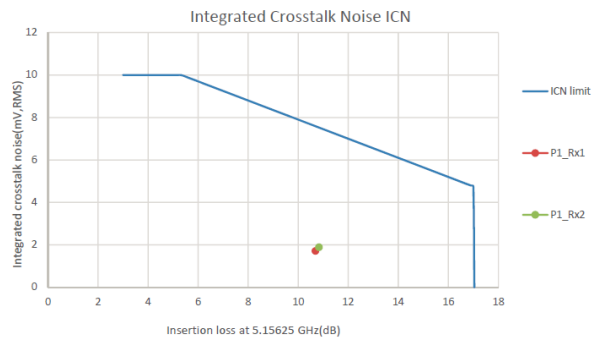


ILD:

Return loss:



ICN:



TDR:

