

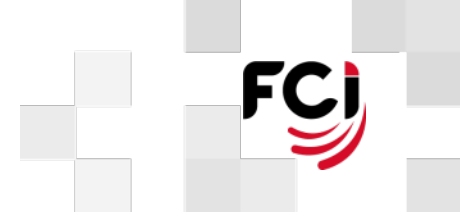


OCTIS™

Product Presentation

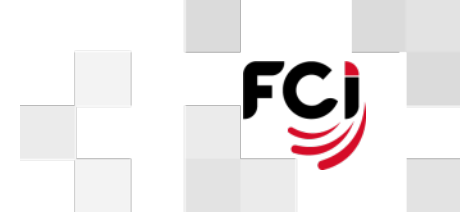


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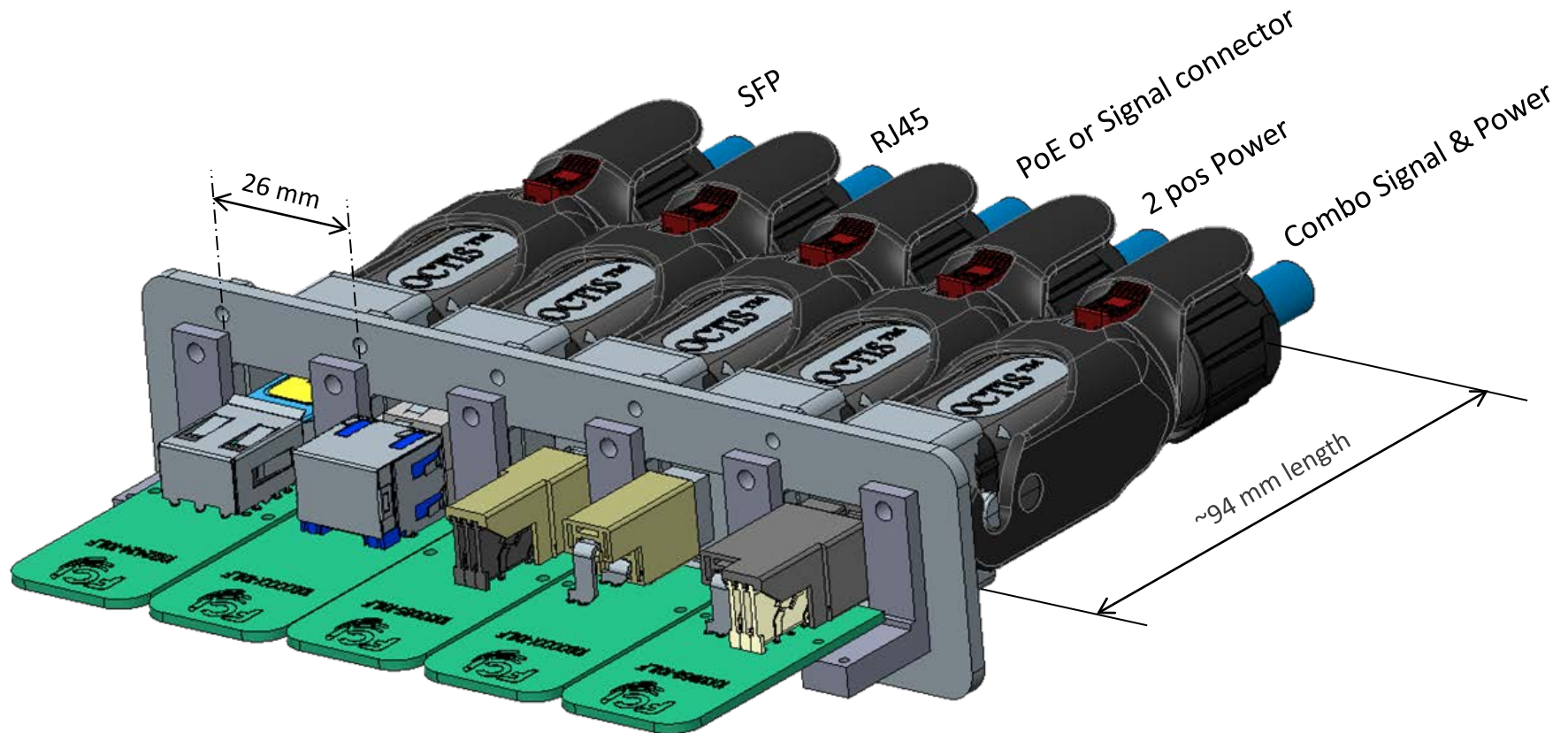
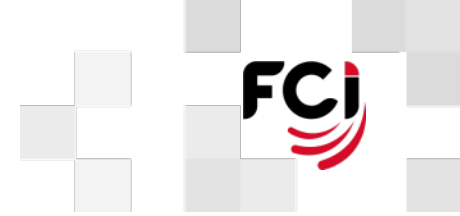
Introduction



- Deployment of 4G+, LTE+ and future 5G in the Telecom market is calling for more severe requirements
 - Need reduced equipment size, increased density and EMI protection
 - Resistance to corrosion, corrosive atmosphere pollutant gases
- OCTIS™ provides a versatile robust IO interconnect solution that can operate in challenging outdoor and harsh environments
- OCTIS™ can accommodate multi-standard and varying interconnect configurations
- Market / Application
 - Telecom and Outdoor application
 - Industrial and Instrumentation
 - Portable outdoor device

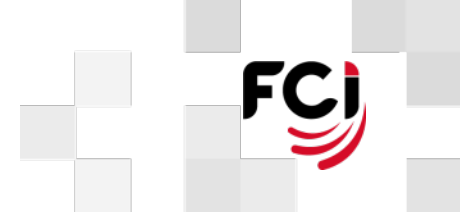
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OCTIS™ Overview



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Features & Benefits



Blind mate & float mount



Scoop proof
Fiber protection



Full modular housing



Full composite
Light material



High integration
26 mm pitch



Rugged design
100 mating cycles
200 N tensile load



Outdoor proof
720 h salt spray + SO2
IP67
-40 / +85° C



Separate or molded
receptacle



Color and physical
coding



Double locking



SFP inside plug
Better thermal management



EMI Shielded



Lightning protection

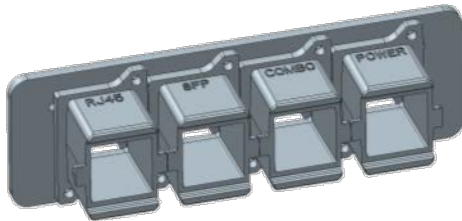


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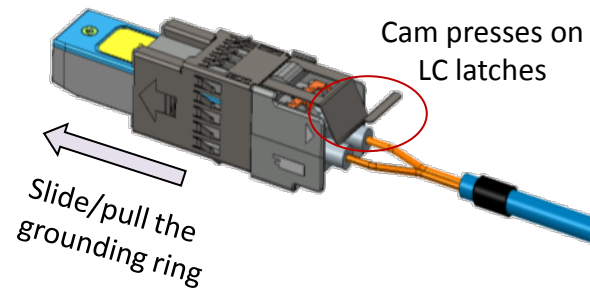
Friendly Concept for Outdoor Applications



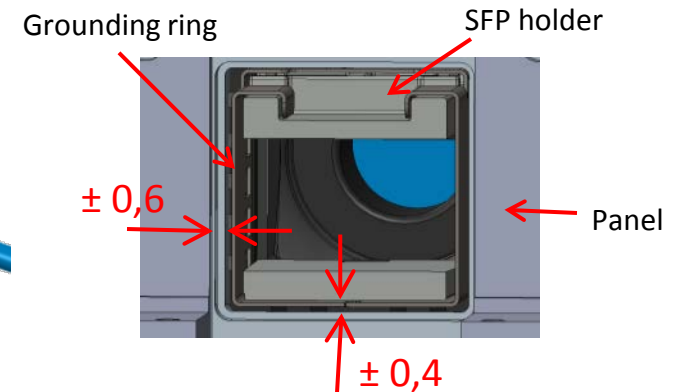
Direct Integration into chassis casting possible



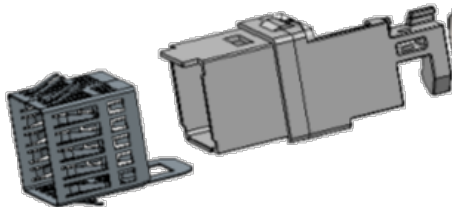
Fiber breaking protection



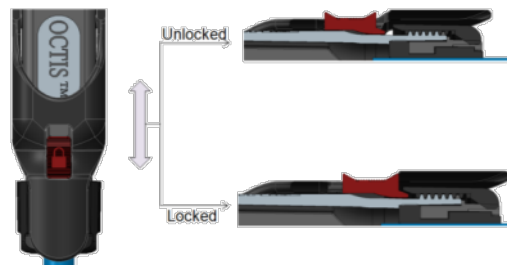
Blind Mate & float mount



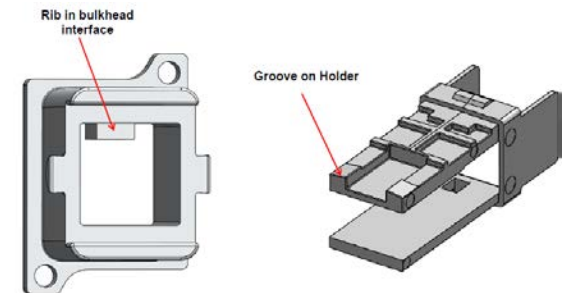
Direct grounding from panel to cable braid



Lever Locking System with secondary latch

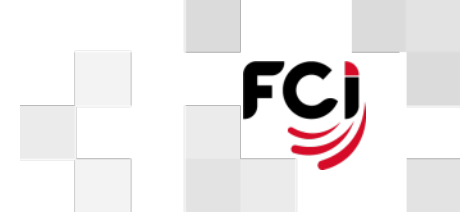


Physical Coding



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Connector Interface Range



- SFP/SFP+



- Signal



- RJ45



- Hybrid – Signal + Power (Combo)

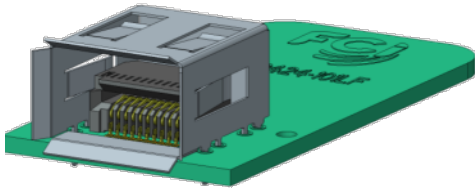
- Power



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SFP Connector Interface

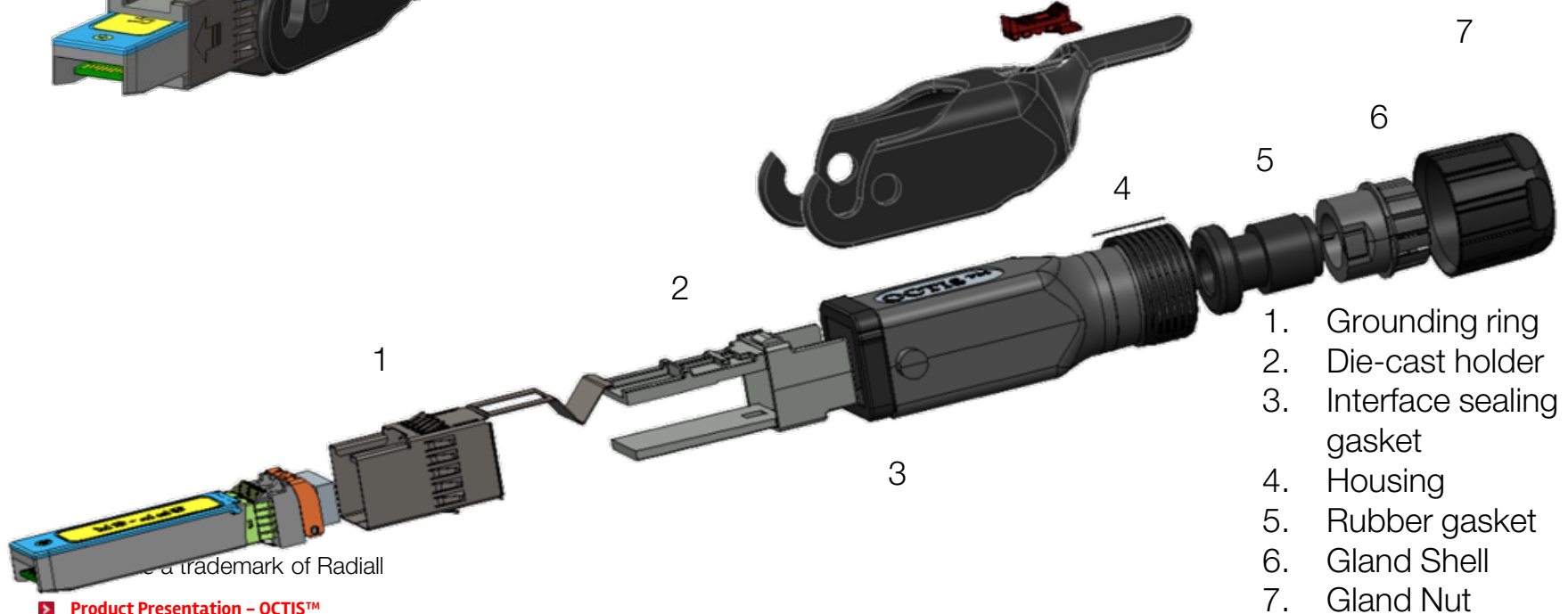
SFP Receptacle



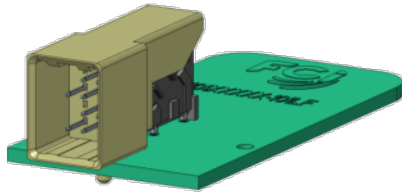
Plug



- Transceiver inside system saves board space and provide better thermal management
- Field installable
- Can fit with any LC duplex cable assembly with fan-out length from 0 mm to 40 mm
- Compatible with any SFP or SFP+ brand
- FO transparency: copper connection only
- Blind mating, Self alignment of plug in the cavity
- No mechanical constraint on the PCB

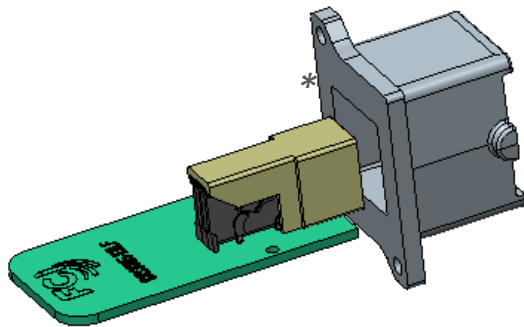


Signal Connector Interface



Board connector
Metral® HDXS

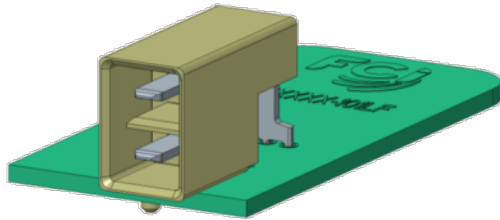
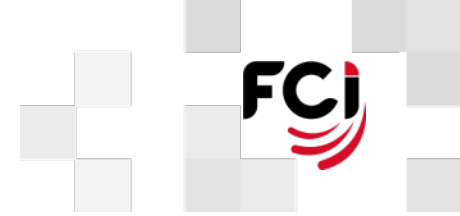
- Clearance and creepage distances comply to ANSI requirements
- Lightning protected
- Smaller width than RJ45 & CAT6 performance
- Dual beam interface
- Custom signal pinning option with vertical or horizontal routing
- Cable from solid wire AWG 30-28 & 26-24 (IDC process)
- Field or factory mountable
- Direct grounding from panel to cable braid



Cable connector
Contact modules

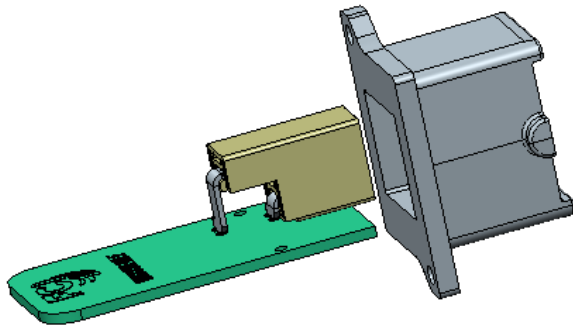
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Power Connector Interface



Board connector
Power Profile®

- Up to 16 Amps per contact
- Wire size from 1,5 to 6 mm²
- Lightning protected
- Direct grounding from panel to cable braid
- Field or factory mountable (crimping process)
- Based on existing mating interface

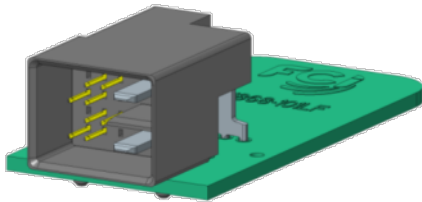


Cable connector
Contact modules



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Combo: Signal & Power Connector Interface

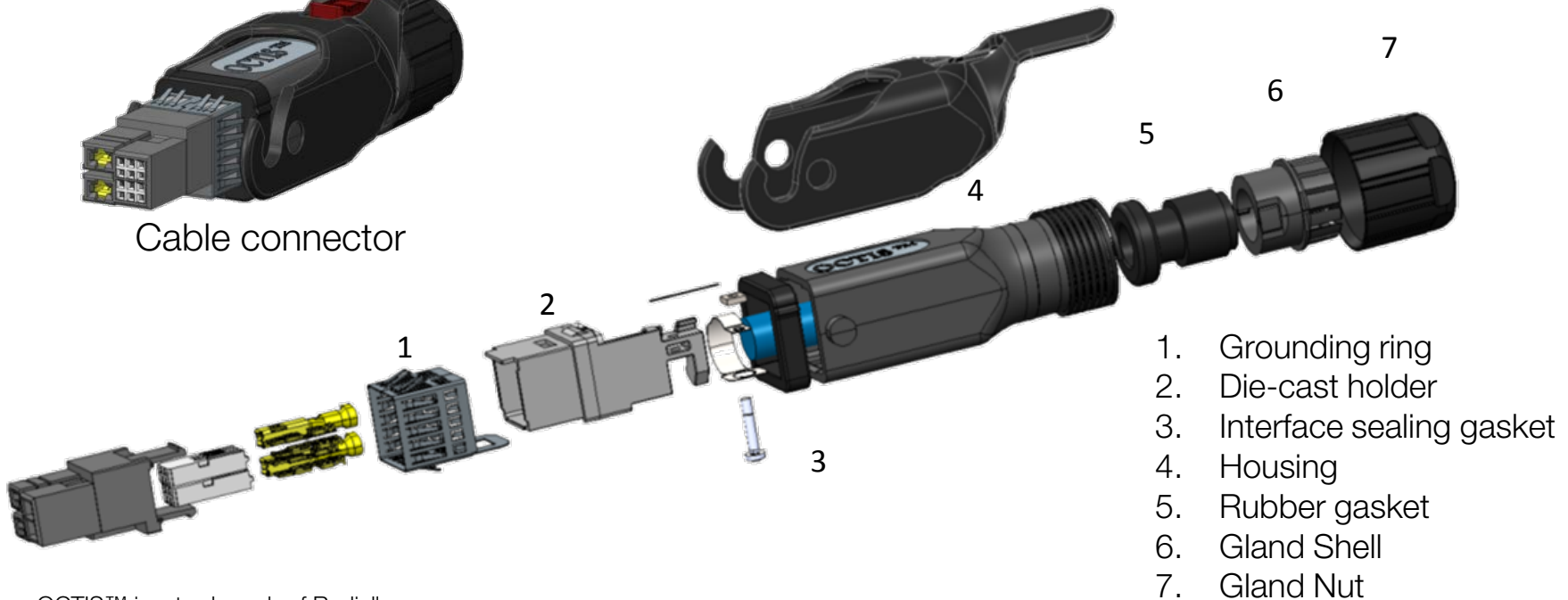


Board connector
Metral® HDXS
Power Profile®

- Combination of both signal and power interface
- High density
- Clearance and creepage distances comply to ANSI requirements
- Lightning protected
- Field or factory mountable
- Direct grounding from panel to cable braid

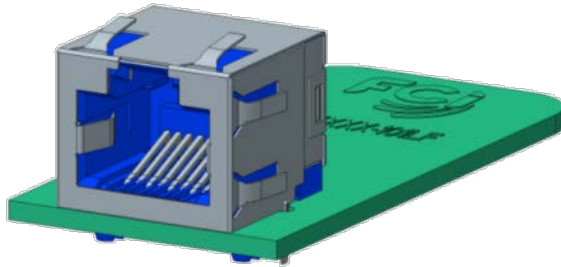
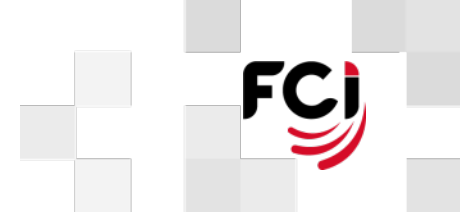


Cable connector



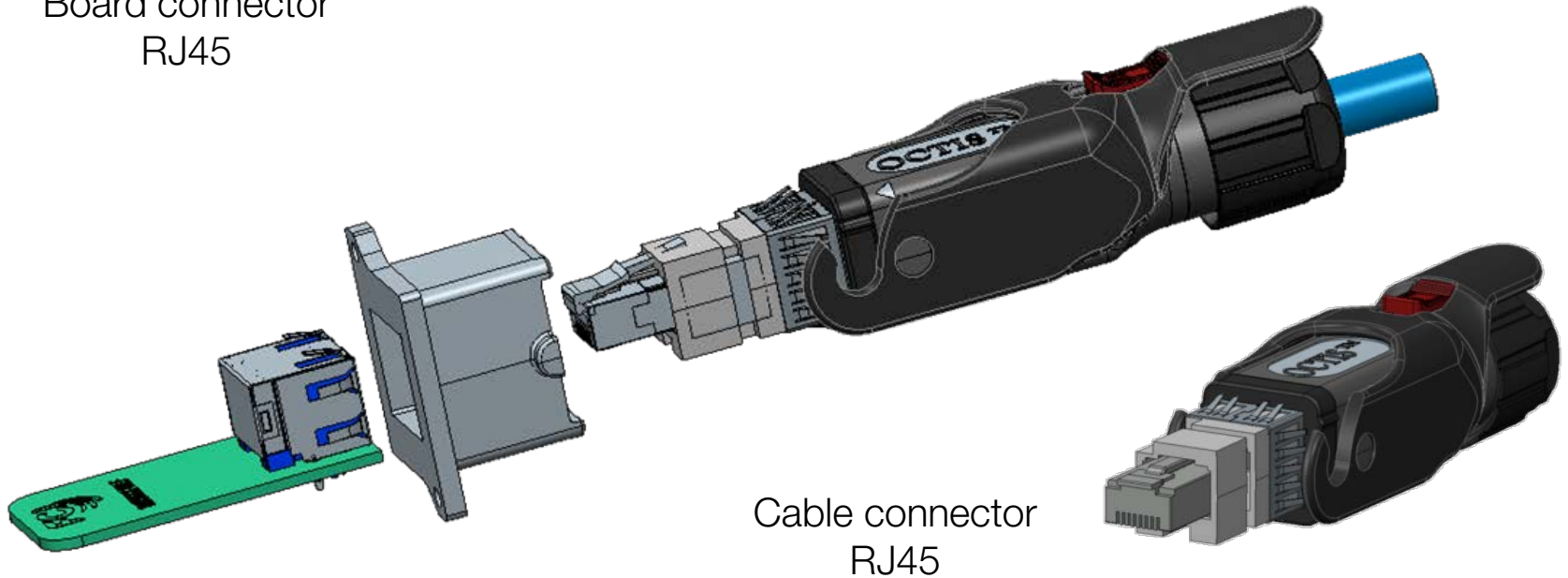
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RJ45 Connector Interface



Board connector
RJ45

- Field installable
- Blind mating
- Can fit with any RJ45 cable assembly
- Compatible with any RJ45 connector



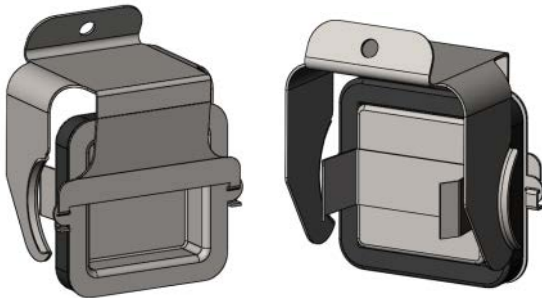
Cable connector
RJ45

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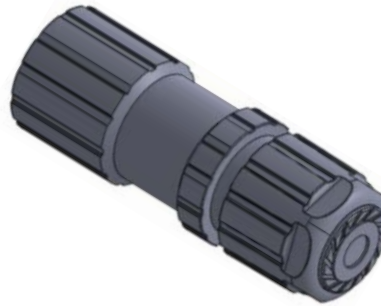
Accessories



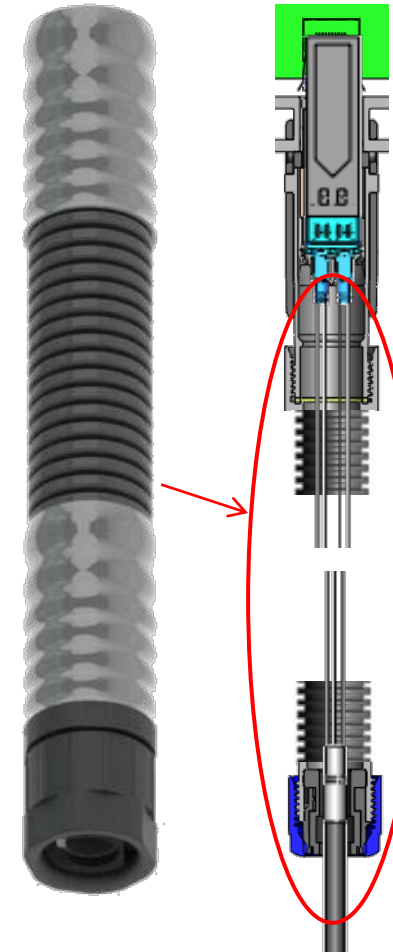
Receptacle cap EMI IP67



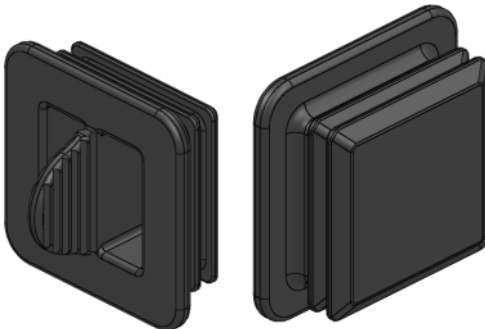
Rigid extension tube 95mm



Flexible extension tube for long FO fan out



Receptacle dust cap

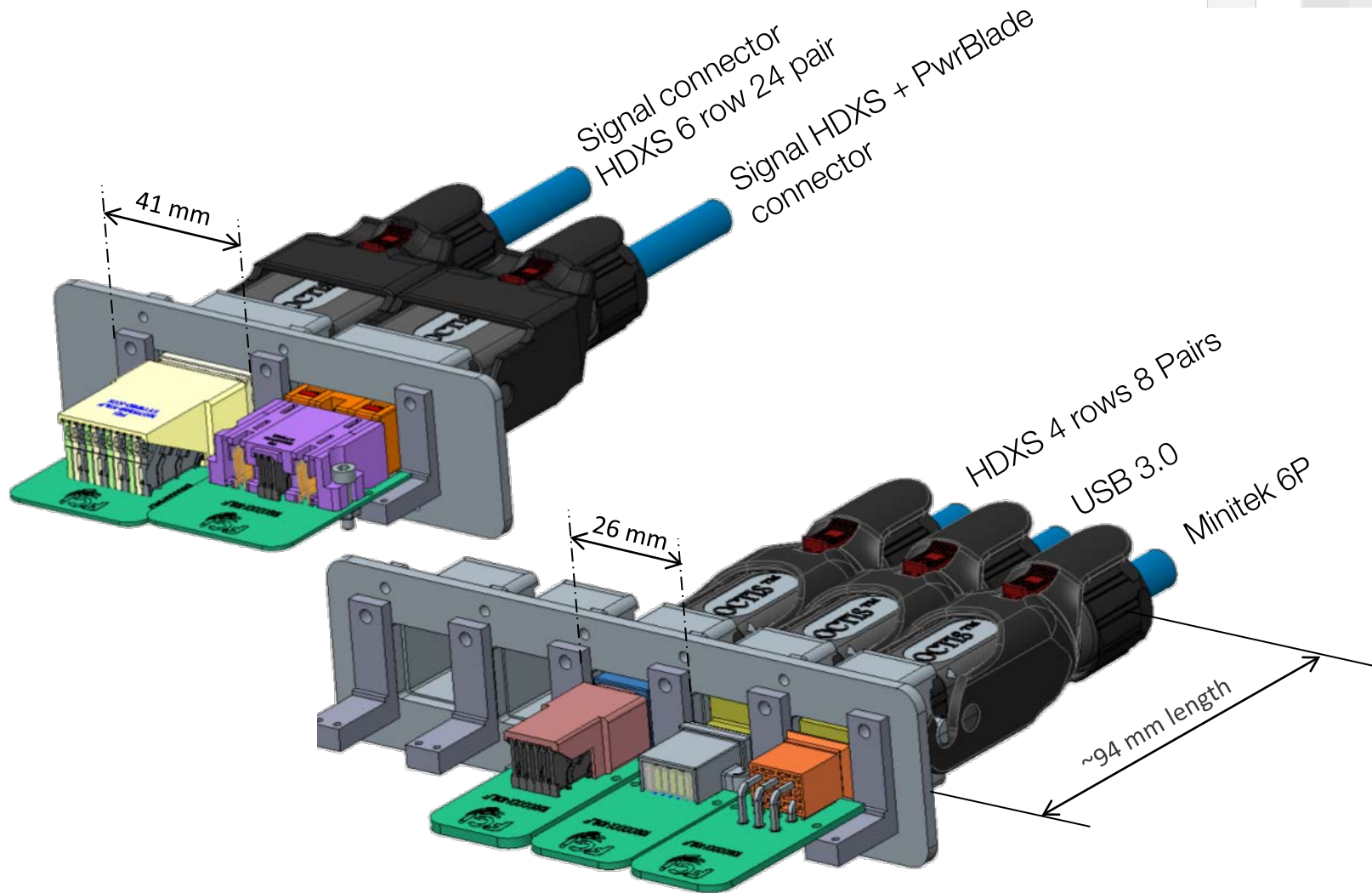


Plug cap



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OCTIS™ Range Expansion: Coming attractions



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OCTIS™

Small

SFP inside

Modular

Weather proof

Shielded

Field mountable

Multi standard connector interfaces

