SENKO®
Advanced Components
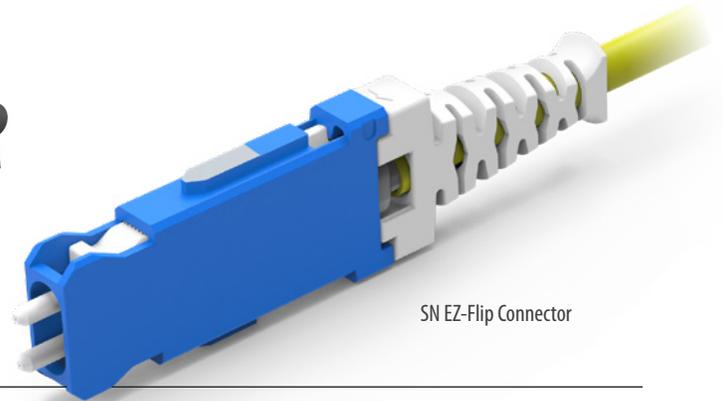
SN®*EZ-FLIP* CONNECTOR
1-Channel (2F)
Switchable Polarity

SN EZ-Flip Connector

The SN® connector is the ultimate duplex connector combining 'best-in-class' packing density with carrier-grade performance and reliability. Designed and optimized for next-generation data rates, the SN® connector offers network operators the chance to densify their existing legacy infrastructure whilst at the same time providing an upgrade path to 400G and beyond.

The SN® EZ-Flip connector is the latest addition to the SN® family, allowing technicians to switch polarity in the field without disrupting fibers or repositioning ferrules. Not only can the polarity be changed with UPC ferrules, but APC connectors can also be polarity-flipped thanks to the unique orientation of the angled ferrules.

The SN® EZ-Flip connector has an integrated 'push-pull' boot that simplifies insertion and removal of the connector even in high-density patch panels where finger access is limited. A gang-clip can be added to two or four individual SN® connectors allowing them to be patched simultaneously to compatible adapters and transceivers.

FEATURES

- Meets IEC random mating Grade B
- Very Small Form Factor (VSFF) connector, 3 x fiber cabling density over duplex LC
- Push-pull boot for simple installation and removal
- Optimized for 400G data rates with QSFP-DD, OSFP, and SFP-DD transceivers
- Up to 4 x SN® connectors per transceiver
- Direct transceiver breakout in spine/leaf architectures
- Fast and easy polarity reversal of both UPC and APC connectors in the field
- Combines two 1.25 mm ceramic ferrules
- Pre-assembled design for fast assembly

APPLICATIONS

- High-density patching and equipment jumpers
- QSFP-DD, OSFP and SFP-DD transceiver links for higher data rates
- Hybrid duplex cable assemblies combining SN® and other duplex connector types
- Hyperscale, edge, enterprise, and colocation data centers

KEY BENEFITS

✔ **Optimized for patching**
✔ **Switchable polarity**

SN® EZ-FLIP CONNECTOR
1-channel (2F)

Mechanical Data

	Value
Durability	500 matings per TIA-568
Fiber Count	Duplex *(2 fibers)*
Cable Suitablity	1.6 mm/2.0 mm jacketed
Ferrule Material	Zirconia
Dust Protection Method	Removable dust plugs that encapsulate the ferrules

Optical Data

	Singlemode				Multimode
	UPC		APC		MM
	SM Premium Low Loss	SM Premium	SM Premium Low Loss	SM Premium	Premium
Typical Insertion Loss (dB)*	0.05	0.08	0.07	0.12	0.05
Max. Insertion Loss (dB)*	0.15	0.20	0.15	0.25	0.15
Typical Return Loss (dB)*	≥55		≥65		≥25
Ferrule Diameter (µm)	125.5				127

* Based on master grade jumper to low loss random mating test

Environmental Data

	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	2015/863 RoHS
REACH Compliance	Yes
Free of Halogen	Yes
Humidity Resistance	95%

SN® *EZ-FLIP* CONNECTOR
1-channel (2F)

1-Channel Connector Drawing

**Front View**

Side View

Note: 1. All dimensions are in mm
2. Specifications subject to change without notice

ORDERING
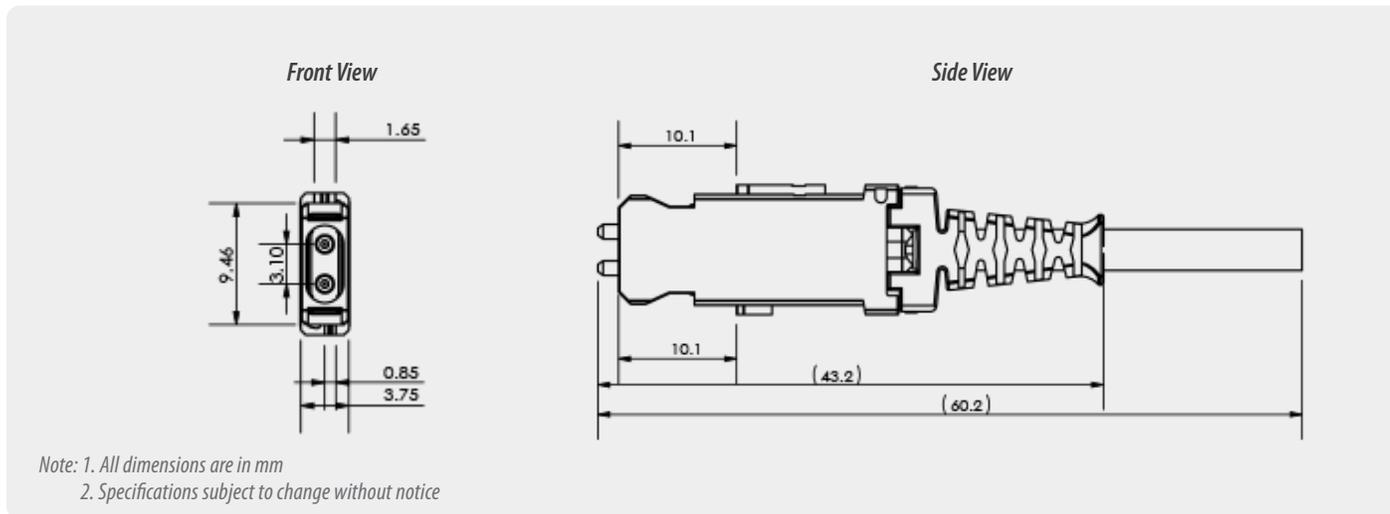
SN EZ-Flip
Connector UPC
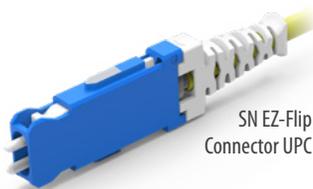
CONNECTOR TYPE		PERFORMANCE		HOUSING COLOR		BOOT TYPE		BOOT COLOR	
6A5	SN EZ-Flip Connector UPC Preassembled for 2 mm Cable	151	SM Premium	1	Blue	4	44mm Boot (44T)	1	White
		158	SM Premium Low Loss	5	Aqua				
6A6	SN EZ-Flip Connector UPC Preassembled for 1.6 mm cable	251	MM Premium	6	Heather Violet				

SN EZ-Flip
Connector APC
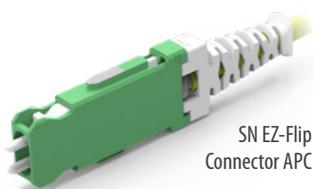
CONNECTOR TYPE		PERFORMANCE		HOUSING COLOR		BOOT TYPE		BOOT COLOR	
6D5	SN EZ-Flip Connector APC Unassembled for 2 mm Cable	153	APC Premium	3	Green	4	44mm Boot (44T)	1	White
		158	APC Premium Low Loss						
6D6	SN EZ-Flip Connector APC Unassembled for 1.6 mm Cable								

6D5 - 153 - 341 ORDER CODE example
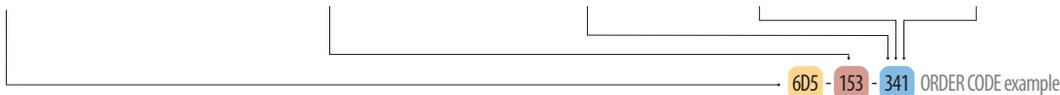
Note: Connector supplied with protective dust-cap

Metal Quad
Gang-Clip
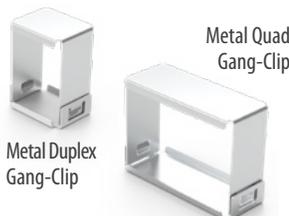
Metal Duplex
Gang-Clip

PART NUMBER	
6A5-CLIP-QD-01	Metal Quad Gang-clip for QSFP-DD and OSFP Transceivers *(SN EZ-Flip Connectors Only)*
6A5-CLIP-DX-01	Metal Duplex Gang-clip for SFP-DD Transceivers *(SN EZ-Flip Connectors Only)*

Plastic Quad
Gang-Clip

PART NUMBER	
6A5-CLIP-QD-02	Plastic Quad Gang-clip for Shuttered Adapters or Adapters with Walls Between Each Port

6A5-CLIP-QD-02 ORDER CODE example

Note: Works with all SN EZ-Flip configurations

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