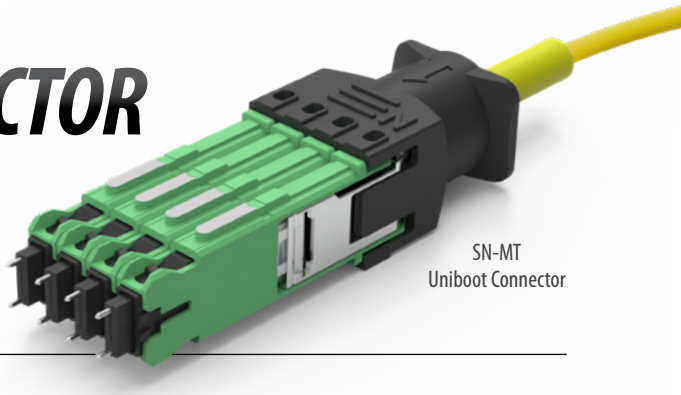
DATA SHEET

SENKO®
Advanced Components

SN®-MT UNIBOOT CONNECTOR

4-Channel x 16F (64F)
200 µm Pitch SN-MT Ferrule



SN-MT
Uniboot Connector

The SN®-MT16 Uniboot is a pioneering connector that combines four individual SN®-MT connectors into one single housing and boot so that all connectors can be plugged into high-density patch panels or transceivers simultaneously. This approach of'ganging' multiple connectors together reduces the installation time and associated cable clutter that accumulates at the rear of high-density patch panels. A standard 1RU patch panel with a recommended maximum density of 216 SN®-MT ports per 1RU can be reduced to 54 connectors and cables with the SN®-MT Uniboot connector.

In terms of panel density, the SN-MT Uniboot is an essential component in achieving hyperscale density without compromising practicality and user-friendliness. The SN®-MT16 Uniboot offers an unparalleled density 3,456 fibers per 1RU which is significantlh higher than that achievable with the MPO connector

The SN®-MT16 Connector offers an ultra-low insertion loss of less than 0.35 dB per mated connector pair, guaranteeing repeatable and reliable links. Its high-performance MT ferrules and alignment pins further improve reliability, ensuring stable connections and optimal network performance.

FEATURES

- Patch 64 fibers simultaneously
- Low insertion loss at 0.35dB per connector
- 200-micron fiber pitch (SN-MT16)
- Compatible with 200-micron rollable ribbon
- Push-pull Uniboot for fastest deployment
- Allows up to 3,456 fibers per 1RU (Rack Unit)
- Significantly lower total cost of ownership
- Simplified cable management and reduced cable clutter

APPLICATIONS

- High-density backbone cabling
- Spine/leaf and super-spine patching
- Dual 800G backbone cabling
- High-density intra-DC trunk cables
- Pre-connectorized trunk cables
- High density patch panels (rear-side)
- Hyperscale data centers

KEY BENEFITS

- ✓ **High density connector 64F (4 x 16F)**
- ✓ **Trunk cable systems**

Mechanical Data

	Value
Durability	50 Matings per GR-1435-Core
Fiber Count	Base-16 *(64 fibers)*
Cable Suitablity	64-fiber micro cable
Ferrule Material	PPS
Dust Protection Method	Removable dust plugs that encapsulate the ferrules

Optical Data

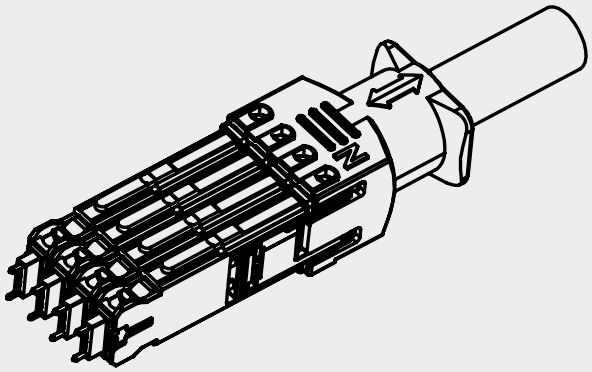
	Singlemode
	APC
	SM Premium Low Loss
Typical Insertion Loss (dB)*	0.15
Max. Insertion Loss (dB)*	0.35
Typical Return Loss (dB)*	≥ 60
Ferrule Diameter (µm)	SN-MT ferrule 16-fiber, 200 µm in a single row

* *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®-MT16 Uniboot Drawing



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

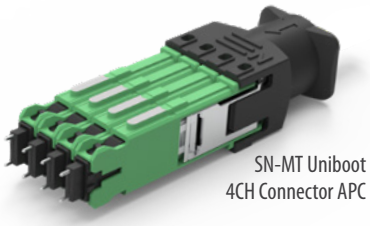
ORDERING

CONNECTOR TYPE		GUIDE PIN GENDER		PERFORMANCE		FIBER COUNT		HOUSING COLOR		BOOT COLOR		SPACER	
64A	SN-MT Uniboot Connector with Ferrrule 4CH	**F**	Female *(Without Pin)*	**SL**	SM Super Low Loss	**16**	16 Fiber	**G**	SM Green	**3**	Black	**NS**	No Spacer*(for Narrow)*
		M	Male *(With Pin)*			**24**	24 Fiber					**W**	White
		G	With Changeable Keeper									**L**	Blue
												B	Black *(Standard)*
												A	Aqua
												V	Heather Violet

Note: Connector supplied with protective dust-cap

Contact sales@senko.com for availability and to learn more

Contact SENKO



SN-MT Uniboot
4CH Connector APC

SENKO®
Advanced Components

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