SENKO®
Advanced Components

SN® UNIBOOT CONNECTOR
4-Channel (8F) Variable Pitch

Transceivers and No-wall Adapters

Shuttered and Walled Adapters

Wide Pitch

Pull Back and Rotate Housing for Wide or Narrow Pitch

Narrow Pitch

SN Uniboot Connector
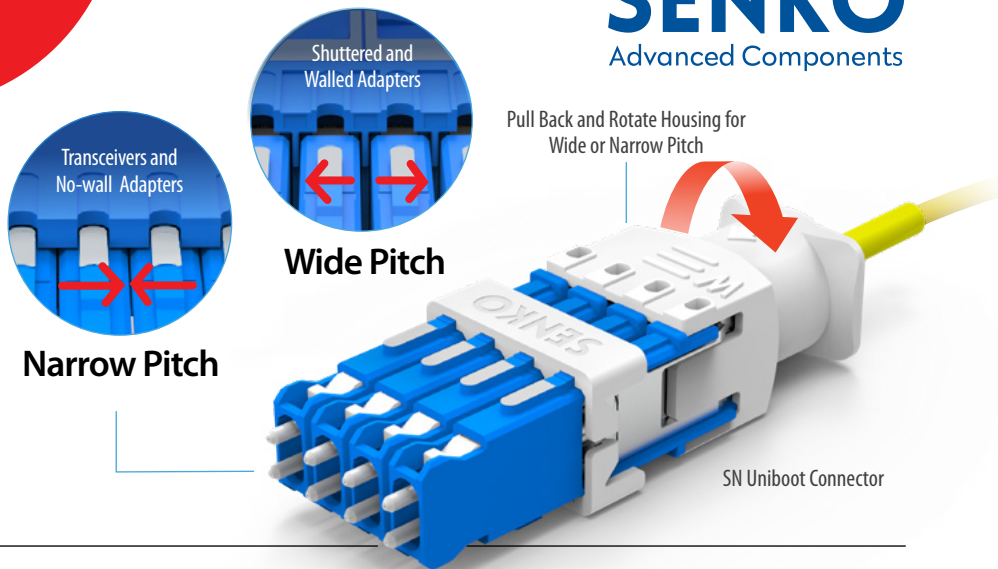
The SN® Uniboot is a revolutionary connector that allows four duplex SN® connectors to be patched simultaneously in one operation. Subsequently, the SN® Uniboot offers the same degree of flexibility as an MPO 8-fiber connector but without the need for breakout cassettes or fan-out cables to transition from Base-8 to Base-2. This dual functionality makes the SN® Uniboot granular enough for duplex server connections, optimized for high-density trunks and the perfect match to high data rate transceivers utilizing four optical lanes (8 fibers).

The SN® Uniboot is the first telco-grade connector that combines the performance and reliability of ceramic ferrules with the modularity and scalability of the MPO connector. Network operators can now build networks that are more cost effective, more flexible and provide extended reach at higher data rates.

The SN® Uniboot connector boasts a distinctive feature, as it can be adjusted to accommodate either narrow adapters (those without walls between ports) or wide adapters (equipped with walls between ports). The SN® Uniboot is only compatible with adapters that have 4-ports vertically aligned.

FEATURES

- Fast patching with uniboot design
- Base-8 and Base-2 compatibility
- Allows up to 432 fibers per 1RU (Rack Unit)
- Eliminates the need for fan-outs and cassettes
- Provides ferrule-based alternative to MPO
- Increased flexibility and extended reach
- Significantly lower total cost of ownership
- Telco grade optics with zirconia ferrules
- Less complexity versus MPO
- Suitable for adapters with or without walls between ports

APPLICATIONS

- Base-2 server consolidation
- Base-8 switch replication
- Telco exchanges
- Broadcast
- Enterprise network
- Colocation data centers
- Finance data centers
- Backbone trunk cabling

KEY BENEFITS

✔ **Base-8 and Base-2 compatibility**
✔ **Trunk cable systems**

SN® UNIBOOT CONNECTOR
4-channel (8F)

Mechanical Data

	Value
Durability	500 matings per TIA-568
Fiber Count	Base-8 *(8 fibers)*
Cable Suitablity	8-fiber micro cable
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

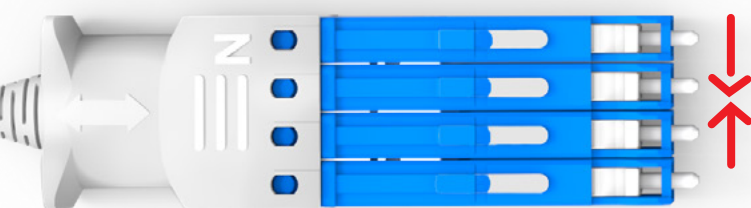** Based on master grade jumper to low loss random mating test*

NARROW vs WIDE PITCH
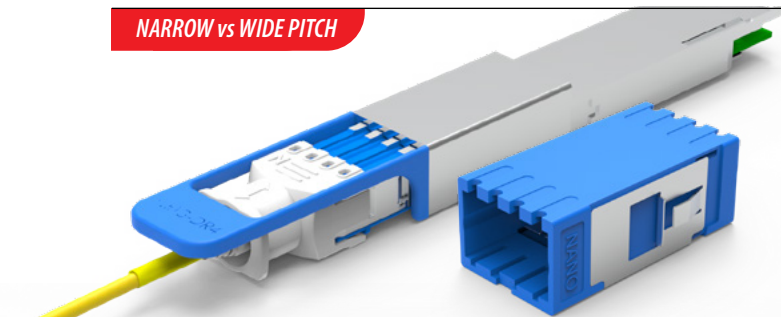
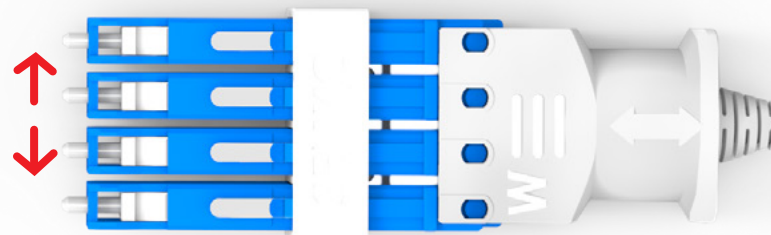Compatible with 4CH Transceiver or
694 SN 4CH No Wall Adapter

Compatible with 694W SN 4CH with Wall Adapter or
69D SN 4CH Shuttered Adapter

VS

Narrow Pitch

Wide Pitch

SN® UNIBOOT CONNECTOR
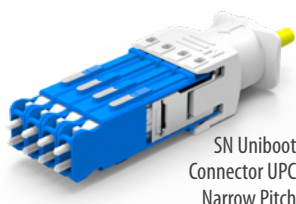## 4-channel (8F)

1-Channel Connector Drawing

Front View   *Side View*

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

ORDERING

SN Uniboot Connector UPC Narrow Pitch

CODE		CHANNEL		PERFORMANCE		HOUSING COLOR		BOOT TYPE		BOOT COLOR		SPACER*	
602U	SN Uniboot Connector UPC	A	4CH	151	SM Premium	1	Blue	3	3.0 mm	1	White	N	Narrow
		C	2CH	158	SM Premium Low Loss	5	Aqua	4	4.5 mm	2	Blue	W	Wide
				251	MM Premium (PRE)	6	Heather Violet	5	5.0 mm				
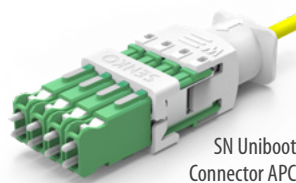
SN Uniboot Connector APC

CODE		CHANNEL		PERFORMANCE		HOUSING COLOR		BOOT TYPE		BOOT COLOR		SPACER*	
612U	SN Uniboot Connector APC	A	4CH	151	SM Premium	3	Green	1	2.0 mm	1	White	N	Narrow
		C	2CH	158	SM Premium Low Loss			2	2.4 mm	6	Green	W	Wide
				251	MM Premium (PRE)			3	3.0 mm				
								4	4.5 mm				
								5	5.0 mm				

602U - A151 - 311 - W   ORDER CODE example

Note: Connector supplied with protective dust-cap
      * Spacer only for SN 4CH Uniboot Connector