SENKO®
Advanced Components

SN® *ADAPTER*
Standard
Non-Shuttered
1 (2F) and 4-Channel (8F)

SN Uniboot & Gang-clip Compatible (4CH)

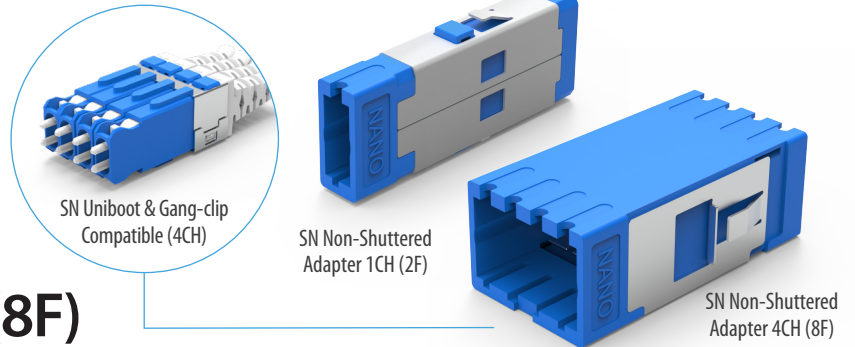SN Non-Shuttered Adapter 1CH (2F)

SN Non-Shuttered Adapter 4CH (8F)

SENKO's SN® non-shuttered adapters are available either as a 1-channel (2 fibers) or 4-channel variant (8 fibers). The single channel is designed for applications requiring the separation of individual optical channels such as coherent optics or wave-splitting. The 4-channel version is designed to maximize port density within patch panels.

This adapter is slightly smaller than the shuttered version. Having the same footprint size as QSFP-DD transceivers, operators can now replicate switch-ports with inter-connected patch panels on a 1:1 basis. Due to its compact size, the SN® 4-channel adapter allows users to achieve the highest possible density within patch panels and optical distribution frames. Up to 432 fibers can be presented in a single 1RU (Rack Unit) subject to cable management and connector-access limitations.

All of SENKO's SN® adapters are designed either to be snapped into panel cut-outs or screwed into place using an appropriate bolt and nut. Adapters incorporating an integrated fixing flange will require additional space between each cut-out.

FEATURES

- Premium one-piece body design
- Up to 432 fibers per 1RU (Rack Unit)
- Same footprint as QSFP-DD transceiver
- Accepts SN® standard and junior connectors
- Supports 200G/400G VSFF connectivity
- Color coded for rapid identification of fiber-type
- Telcordia, ANSI, TIA and IEC Compliant
- Identification marking for fast and simple connector alignment

APPLICATIONS

- High-density patch panels
- Spine/lLeaf architectures
- Switch replication
- Opto-electronic equipment
- WDM equipment
- MUX and DEMUX equipment
- Mass server consolidation EoR, MoR

KEY BENEFITS

✔ **OSFP-DD footprint**
✔ **Optimum panel packing density**

SN° *ADAPTER*

Standard, non-shuttered, 1-channel (2F) and 4-channel (8F)

Mechanical Data

Mechanical Data	Value
Durability	500 matings per TIA-568
Fixing Method	Snap-fit *(adapter without flange)* or screw and nut *(adapter with flange)*
Housing Material Type	Plastic
Fixing Spring Material Type	Metal stainless steel
Sleeve Material	Zirconia
Dust Protection Method	Removable dust plugs

Optical Data

Optical Data	Value
Typical Insertion Loss (dB)*	0.10
Max. Insertion Loss (dB)*	0.20

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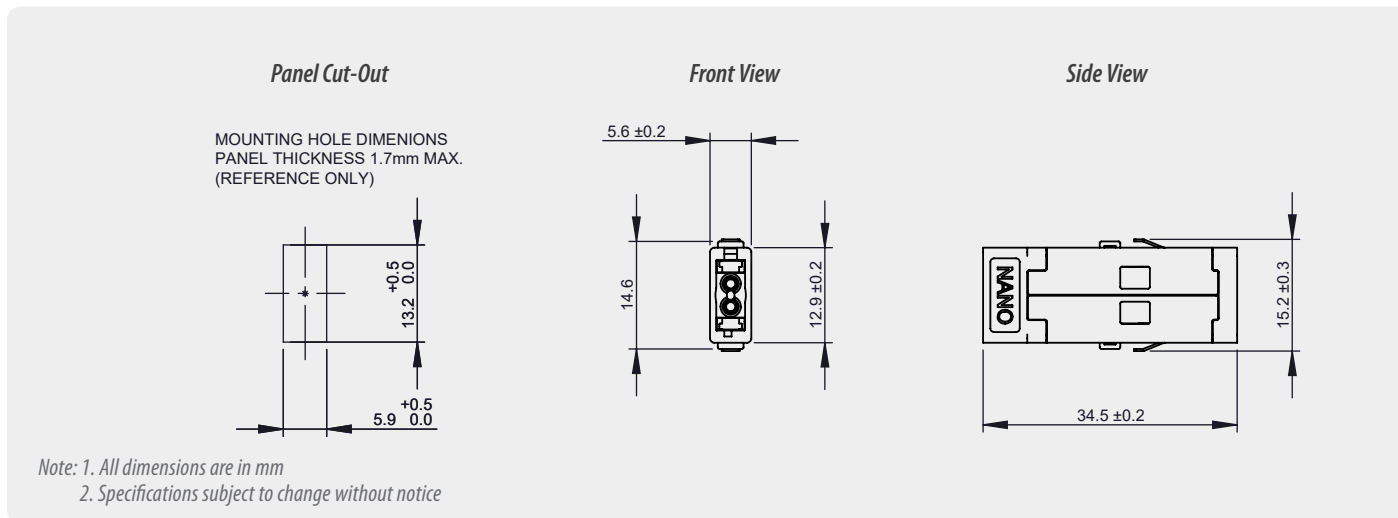
Environmental Data

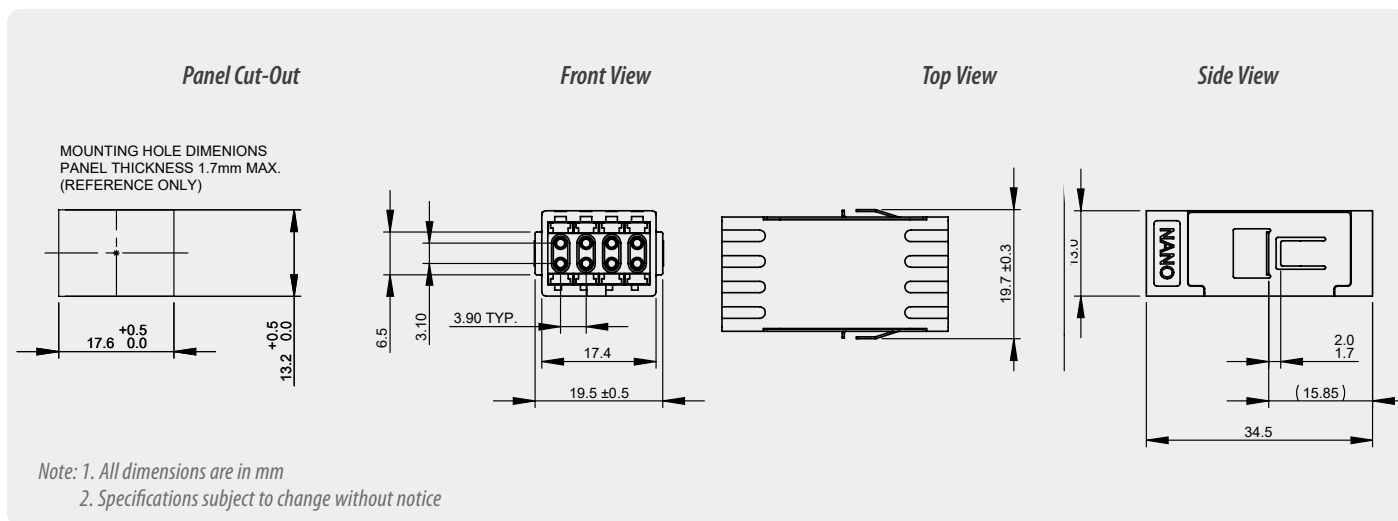| Environmental Data	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	2015/863 RoHS
REACH Compliance	Yes
Free of Halogen	Yes
Humidity Resistance	95%

SN® ADAPTER
Standard, non-shuttered, 1-channel (2F) and 4-channel (8F)

1-Channel Adapter Drawing

Panel Cut-Out

MOUNTING HOLE DIMENIONS
PANEL THICKNESS 1.7mm MAX.
(REFERENCE ONLY)

13.2 +0.5 0.0

5.9 +0.5 0.0

Front View

5.6 ±0.2

14.6

12.9 ±0.2

NANO

Side View

15.2 ±0.3

34.5 ±0.2

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

4-Channel Adapter Drawing

Panel Cut-Out

MOUNTING HOLE DIMENIONS
PANEL THICKNESS 1.7mm MAX.
(REFERENCE ONLY)

17.6 +0.5 0.0

13.2 +0.5 0.0

Front View

6.5

3.10

3.90 TYP.

17.4

19.5 ±0.5

Top View

19.7 ±0.3

Side View

NANO

13.0

2.0 1.7

(15.85)

34.5

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

ORDERING

SN Adapter 1CH (4F)

SN Adapter 4CH (8F)

SN FOOTPRINT TYPE		FLANGE		HOUSING COLOR	
691	SN 1-Channel (2F) Non-Shuttered Adapter	**1**	With Flange	**1**	Blue (SM PC/UPC)
694	SN 4-Channel (8F) Non-Shuttered Adapter	**2**	Without Flange	**3**	Green (SM APC)
				7	Heather Violet (MM OM4)
				9	Aqua (MM OM3)

691 - 17   ORDER CODE example

Note: Adapter supplied with protective dust-cap on both sides