

AUDIO CONNECTORS



A new quality range of audio connectors



● INTRODUCTION

ISOTEC Audio connectors are waterproof, polarised, five, six, seven and ten contact electrical connectors, for use in low voltage audio frequency circuits and applications.

They employ three-point bayonet coupling for quick disconnect and self-wipe contact action.

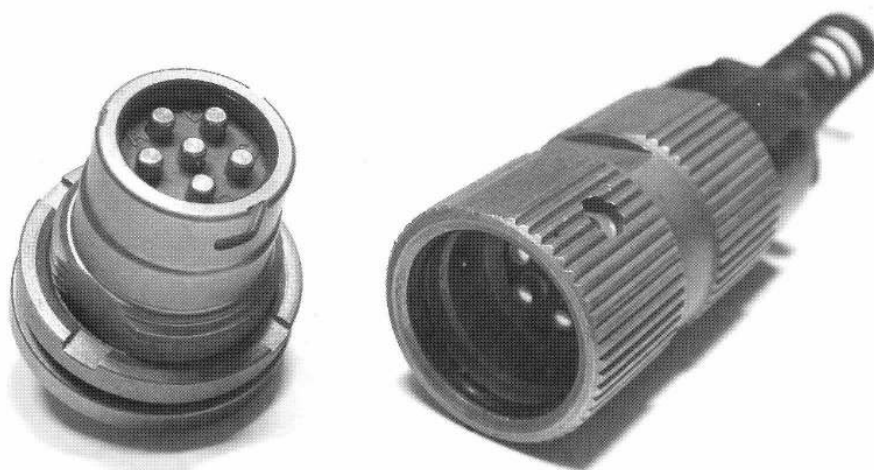
Although designed for use in communications equipment, these versatile connectors have been successfully adapted for use in numerous industrial, scientific and educational applications.





ISO SERIES

(MIL-C-55116 CONNECTORS)



ISOTEC ISO Series connectors are designed to meet the requirements of MIL-C-55116.

They are intermateable and interchangeable with all MIL-C-55116 connectors.

These connectors are universally used in communications equipment where the highest reliability is needed under the most severe environmental conditions.

The standard 5-contact connectors meet all requirements of MIL-C-55116, latest revision. 6-contact connectors as well as the light-weight versions are designed to meet all performance requirements of MIL-C-55116.

Mating is accomplished quickly with a twist-lock motion.

Non-rigid contacts are spring loaded and provide positive electrical connection with minimum voltage drop.



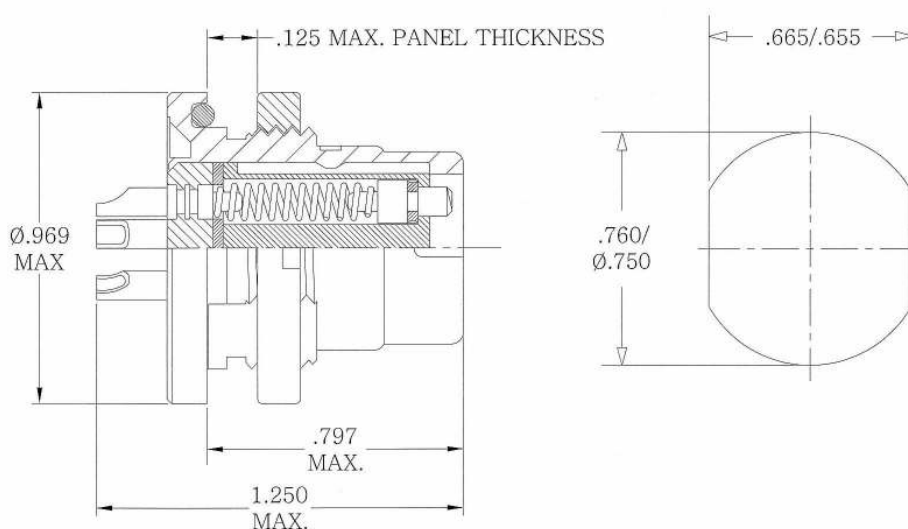
SNF SERIES

(VG95351, VG96934 CONNECTORS)

● Technical Data

Number of Contacts	5 or 6
Operating Temperature	-55°C to +50°C
Operating Current	500 mA per contact
Operating Voltage	60 V max
Contact Resistance	40
Insulation Resistance	1000M@100VDC
Voltage Proof	500Vrms
Sealing	0.17 kg/cm ²
Materials :	Insulator : DAP Contact Brass Shell : Stainless Steel
Finish :	Contact : 1.25 μ gold over nickel Shell : Sand blasted and passivated

● Receptacles





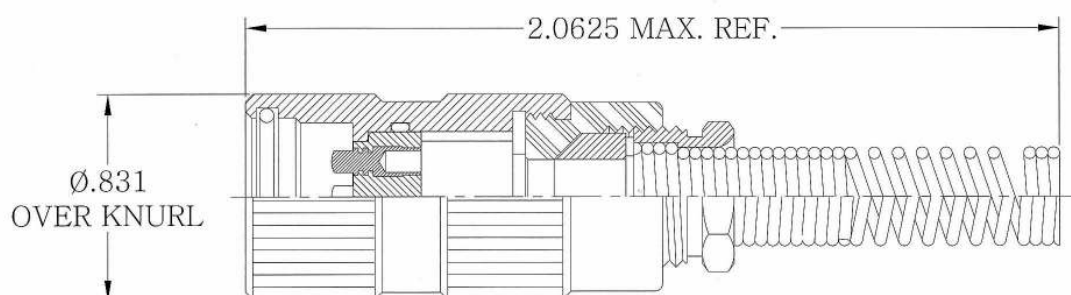
SNF SERIES

(VG95351, VG96934 CONNECTORS)

- **Plug With Spring Cable Grip**



- **Wall Mount Receptacle**





SNF SERIES

(VG95351, VG96934 CONNECTORS)



SUNGJIN 7 and 10-pole circular audio miniature connectors SNF07 and SNF10 are specially designed for communication engineering. They provide high reliability under extreme ambient conditions. The present catalogue describes the watertight connectors with a bayonet groove, covering a wide temperature range. The modular design provides many combinations allowing to suit your particular requirements.



SNF SERIES

(VG95351, VG96934 CONNECTORS)

General application characteristics: Reliability under extreme ambient conditions High protection degree and water-tightness even when unmated
Application under a wide temperature range.

Electrical features:

Scoop proof: The design prevents a short-circuit between plug shells and receptacle contacts while mating.

Spring-loaded contacts : hard gold plated with self cleaning faces.

High shock and vibration resistance and a very low contact resistance allow high reliability even at low voltages and currents.

EMP Shielding : Series SNF10 and the shielded SNF07 show good attenuation characteristics with regard to electromagnetic influences, HF influences and pulse repetition frequencies.

Mechanical features:

Shell material: All shells consist of stainless steel and non magnetic materials.

The receptacle shells and the plug shells are black anodized.

The backshells are olive drab respectively black finished.

The modular design of the connector systems allows many combinations.



SNF SERIES

(VG95351, VG96934 CONNECTORS)

Technical Data

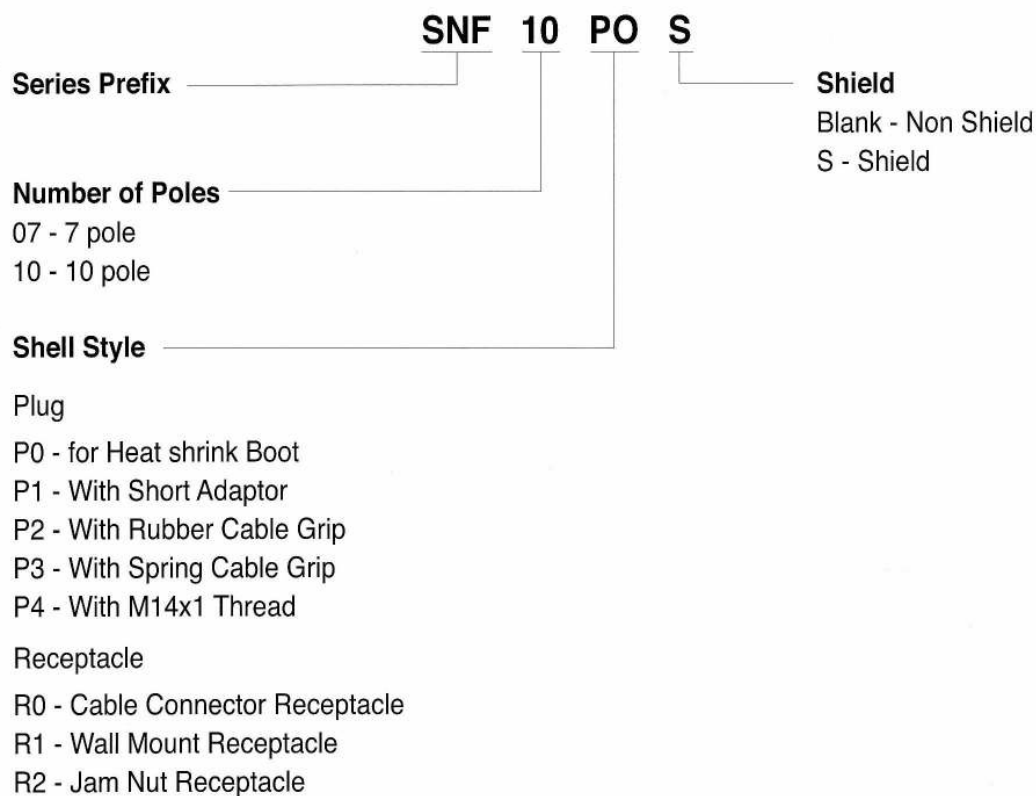
Series	NF07 Standard	NF07 For Shielding	NF10 For Shielding
No. of poles	7	7	10
Rated voltage	50V	50V	50V
Coding positions	3	4	5
Rate current :	6 μ A ~ 2.5 A		
Contact resistance	Approx. 5 m Ω		
Temperature range	-55°C ..+100°C (max.10 Sec. to +150°C)		
Insulation resistance	$\geq 5 \times 10^9$ m Ω		
Test voltage	500V ,50Hz		
EMP-Shielding	Approx. 60dB	70dB	70dB
Sealing mated and unmated	IP68 / 0.4bar, 2hours at 25 °C		
Mechanical life	5000 contact couplings		
Plug : Materials Finish	Stainless steel Cr3 ⁺² / Black	Aluminum alloy/ Stainless steel Ni3 ⁺² Cd6 ⁺² cF/ Cr3 ⁺² Olive(RAL6015)/Black	Aluminum alloy/ Stainless steel Ni3 ⁺² Cd6 ⁺² cF/ Cr3 ⁺² Olive(RAL6015)/Black
Receptacle : Materials Finish	Stainless steel Cr3 ⁺² / Black	Stainless non magnetic steel Cr3 ⁺² / Black	Stainless non magnetic steel Cr3 ⁺² / Black
Insert	Thermoplastic / Duroplast		
Sealing elements	Silicone elastomer / Fluor-silicone elastomer		
Contact material & finish	Copper Alloy / Gold plating		



SNF SERIES

(VG95351, VG96934 CONNECTORS)

● Ordering Information

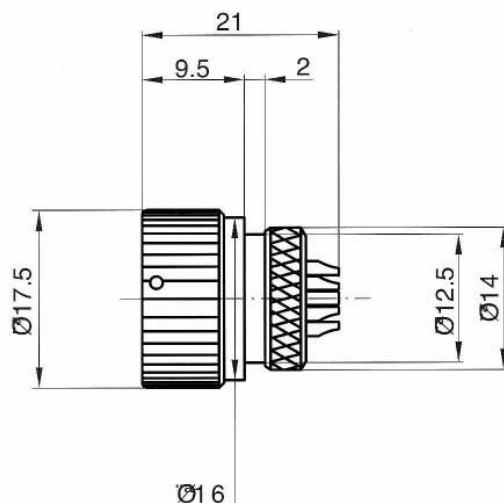




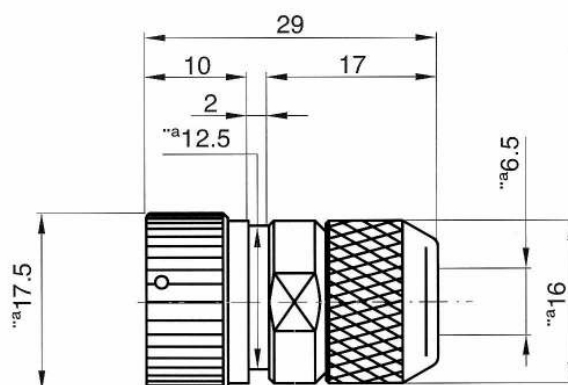
SNF SERIES

(VG95351, VG96934 CONNECTORS)

● Plug for Heat shrink Boot



● Plug With Short adaptor

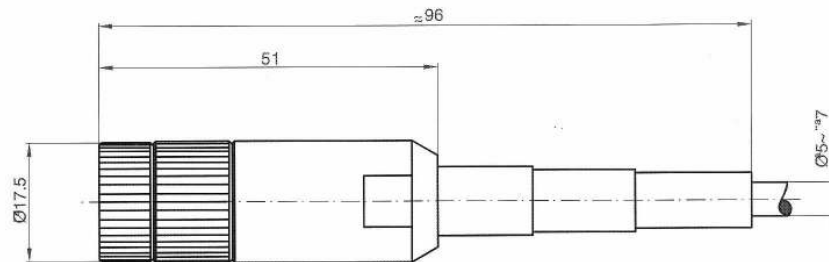




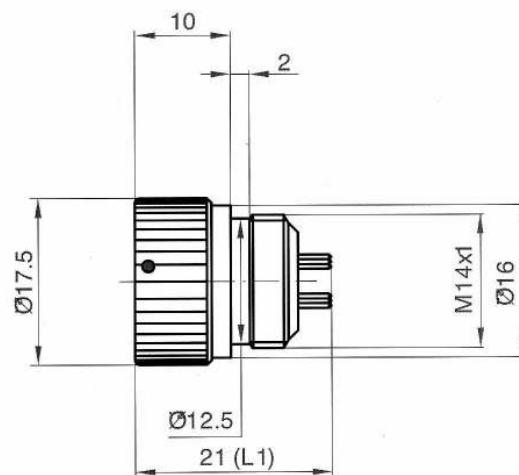
SNF SERIES

(VG95351, VG96934 CONNECTORS)

- Plug With Rubber Cable Grip



- Plug for Single Hole Mounting(M14x1Thread)

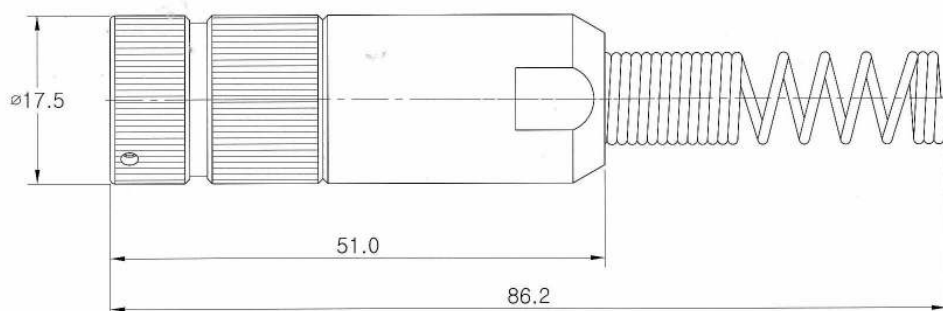




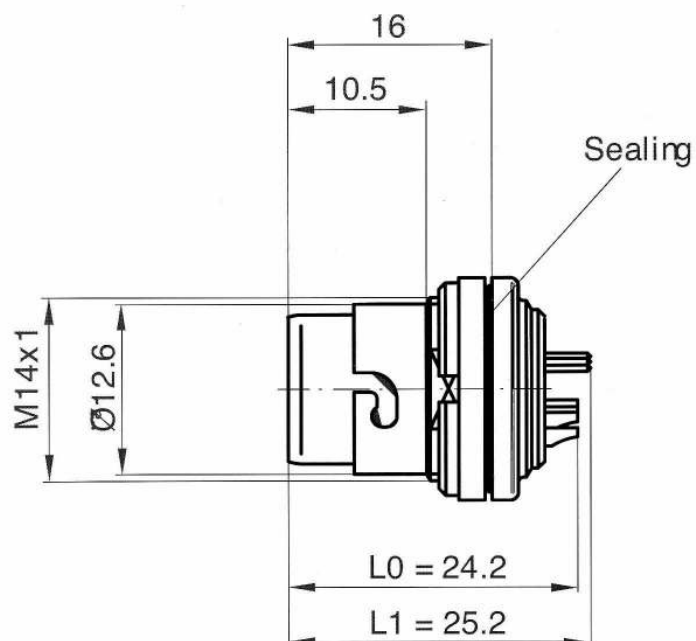
SNF SERIES

(VG95351, VG96934 CONNECTORS)

● Plug With Spring Cable Grip



● Wall Mount Receptacle



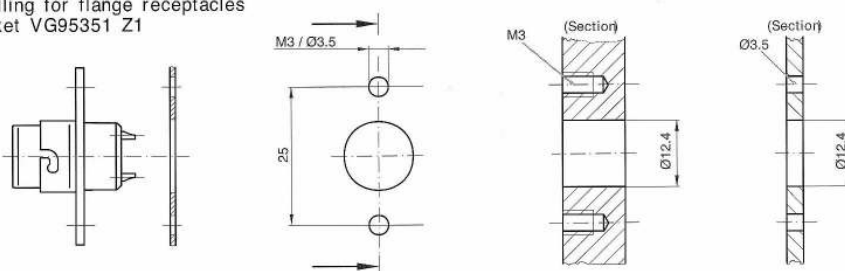


SNF SERIES

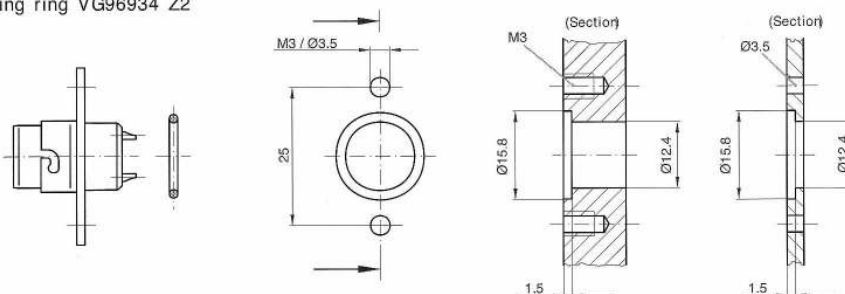
(VG95351, VG96934 CONNECTORS)

Flange receptacles

Panel drilling for flange receptacles
with gasket VG95351 Z1

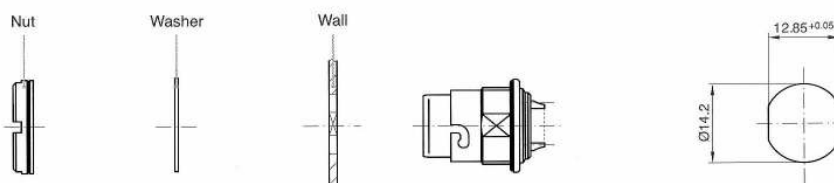


Panel drilling for flange receptacles
with sealing ring VG96934 Z2



Receptacles for single hole mounting

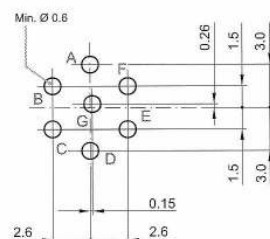
Panel drilling for single hole mounting of receptacles



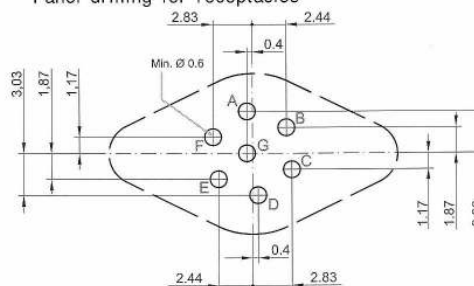
Note: Use mounting tool VG96934 Z10
Max. torque 2 Nm

Printed circuit board terminal

Panel drilling for plugs



Panel drilling for receptacles



Note: These mounting borings can also be used for shielded Receptacles.

Dimensions in mm

(VG95351, VG96934 CONNECTORS)

Panel drilling for plugs

