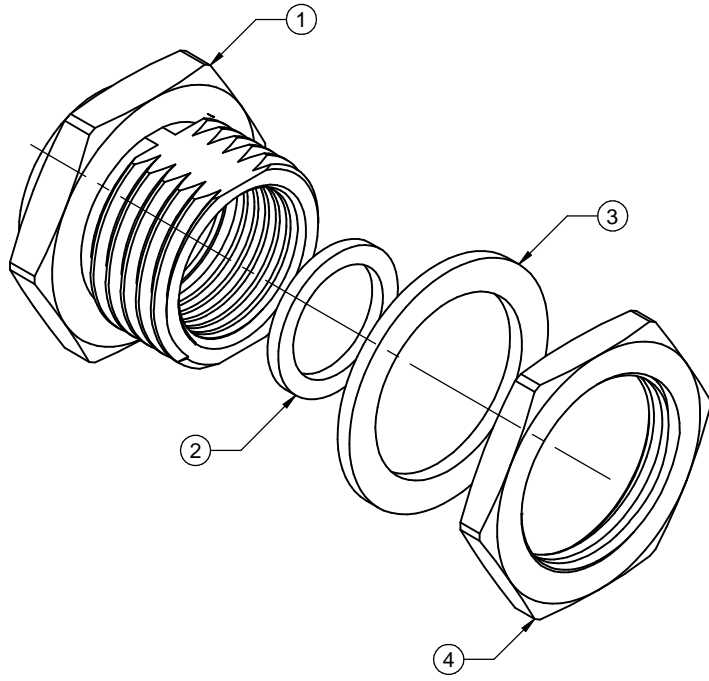


## Exploded View

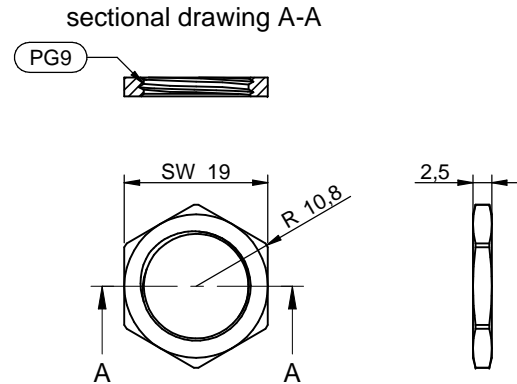


Scale - 2:1

## Partlist

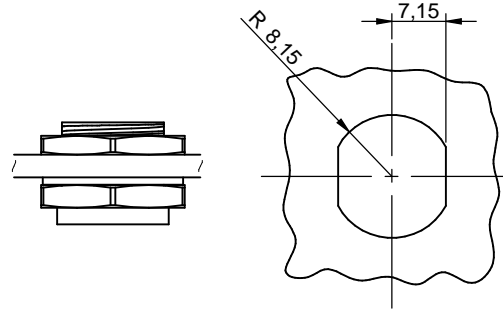
Position	Description	Base Material	Plating Material
1	Metal Body	Brass	Nickel
2	Inner Seal	Silicon	/
3	Outer Seal	Silicon	/
4	Nut	Brass	Nickel

## Dimensions: [mm]



Scale - 1:1

## Recommended Panel Cutout: [mm]



Scale - 1:1

## General Information:

Properties	Value	Unit	Tol.
Thread	M12 x P1.0		
Shielding	Shielded		
Mount	rear		
Tightening Torque	1.5	N*m	+1/-0
Panel Thickness	4.5	mm	max.
Protection Class <sup>1)</sup>	IP 67		

<sup>1)</sup> Only in mated and locked position

## Certification:

RoHS Approval	Compliant [2011/65/EU&2015/863]
REACH Approval	Conform or declared [(EC)1907/2006]

## Additional General Information:

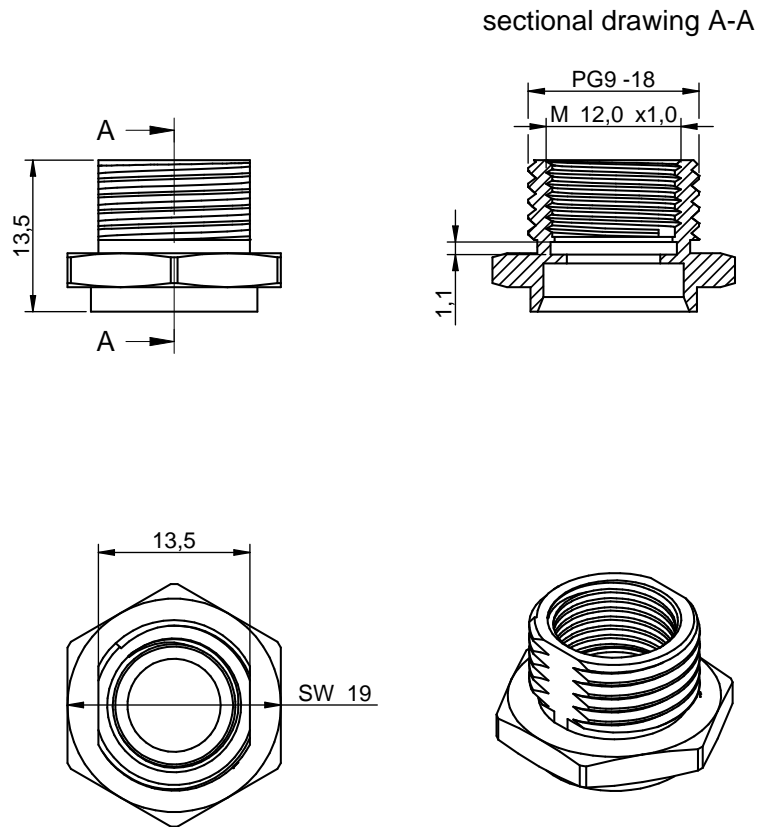
It is recommended that the temperature of the component does not exceed +85°C under worst case conditions	
Operating Temperature	-40 up to +85 °C
Storage Conditions (in original packaging)	< 40 °C ; < 75 % RH
Moisture Sensitivity Level (MSL)	1
Test conditions of Electrical Properties: +20 °C, 33 % RH if not specified differently	




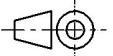

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CHECKED LuRa	REVISION 001.001	DATE (YYYY-MM-DD) 2021-04-07	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
DESCRIPTION <b>WE-LANMX Assembly</b>			ORDER CODE <b>749699910</b>	
SIZE/TYPE M12	BUSINESS UNIT eiSos	STATUS Valid	PAGE 1/6	

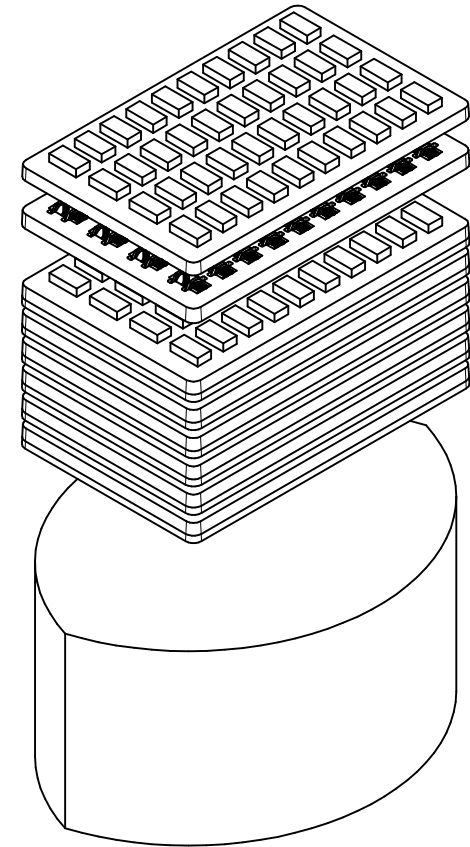
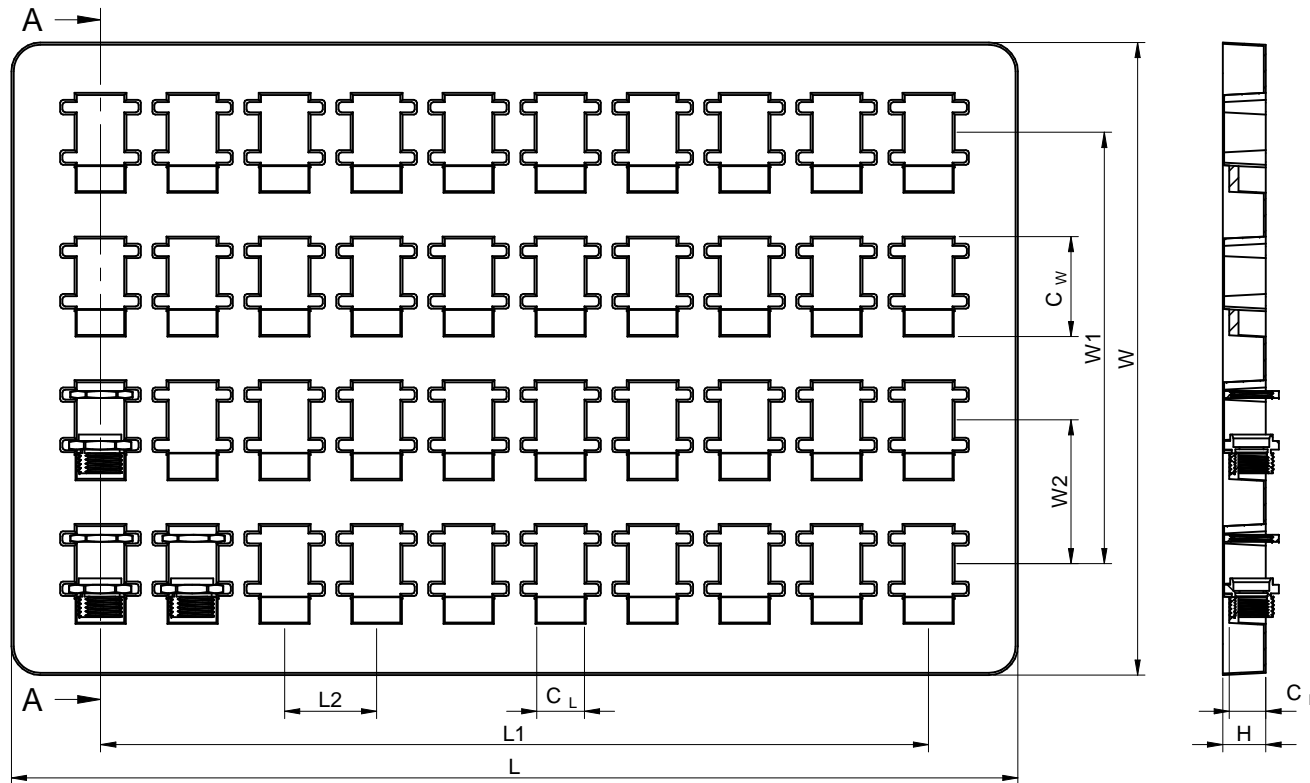
**Dimensions: [mm]**



Scale - 1,4:1

	CHECKED LuRa	REVISION 001.001	DATE (YYYY-MM-DD) 2021-04-07	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
	DESCRIPTION <b>WE-LANMX Assembly</b>				ORDER CODE <b>749699910</b>
	Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com			BUSINESS UNIT eiSos	PAGE 2/6
	SIZE/TYPE M12	STATUS Valid			

# Packaging Specification - Tray and Carton: [mm]



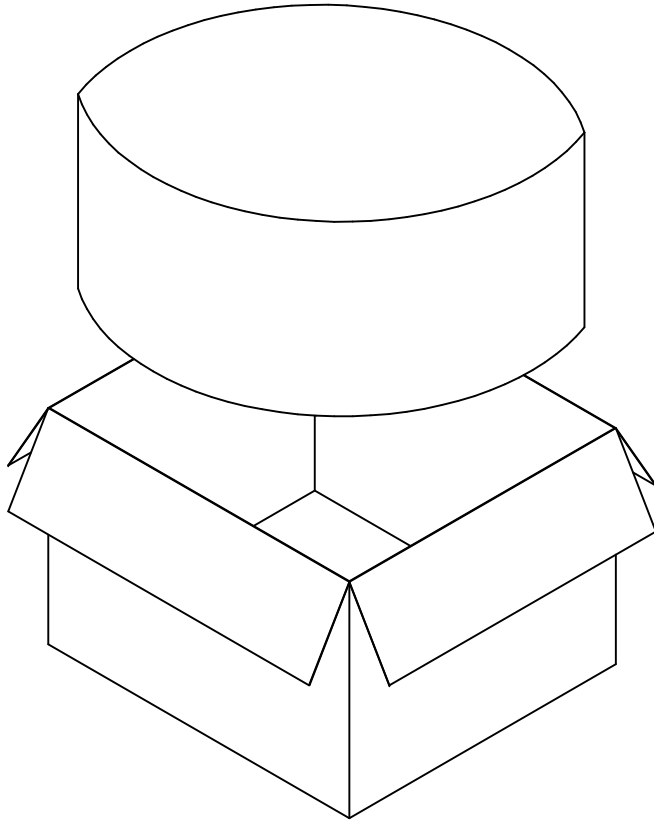
	L (mm)	L1 (mm)	L2 (mm)	C <sub>L</sub> (mm)	W (mm)	W1 (mm)	W2 (mm)	C <sub>W</sub> (mm)	H (mm)	C <sub>H</sub> (mm)	Qty. (pcs.)	Material
Tolerance	typ.	typ.	typ.	typ.	typ.	typ.	typ.	typ.	typ.	typ.	40	PS
Value	350,00	285,00	30,00	15,00	220,00	148,00	48,00	40,00	15,00	12,50		







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SIZE/TYPE M12	BUSINESS UNIT eiSos	STATUS Valid	PAGE 3/6	

## Packaging Specification - Carton: [mm]



	L <sub>C</sub> (mm)	W <sub>C</sub> (mm)	H <sub>C</sub> (mm)	No. of Bags (pcs.)	Qty. (pcs.)	Material
Tolerance	typ.	typ.	typ.			
Value	254	355	222	1	280	Paper

 	CHECKED LuRa	REVISION 001.001	DATE (YYYY-MM-DD) 2021-04-07	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
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	Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com			BUSINESS UNIT eiSos	PAGE 4/6
	SIZE/TYPE M12	STATUS Valid			

## Cautions and Warnings:

### The following conditions apply to all goods within the product series of WE-LANMX of Würth Elektronik eiSos GmbH & Co. KG:

#### General:

- This electronic component is designed and manufactured for use in general electronic equipment.
- Würth Elektronik must be asked for written approval (following the PPAP procedure) before incorporating the components into any equipment in fields such as military, aerospace, aviation, nuclear control, submarine, transportation (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required and/or if there is the possibility of direct damage or human injury.
- Electronic components that will be used in safety-critical or high-reliability applications, should be pre-evaluated by the customer.
- The component is designed and manufactured to be used within the datasheet specified values. If the usage and operation conditions specified in the datasheet are not met, the wire insulation may be damaged or dissolved.
- Do not drop or impact the components, the component may be damaged.
- Würth Elektronik products are qualified according to international standards, which are listed in each product reliability report. Würth Elektronik does not warrant any customer qualified product characteristics beyond Würth Elektronik's specifications, for its validity and sustainability over time.
- The responsibility for the applicability of the customer specific products and use in a particular customer design is always within the authority of the customer. All technical specifications for standard products also apply to customer specific products.

#### Product specific:

#### Soldering:

- The solder profile must comply with the technical product specifications. All other profiles will void the warranty.
- All other soldering methods are at the customers' own risk.
- Strong forces which may affect the coplanarity of the components' electrical connection with the PCB (i.e. pins), can damage the part, resulting in avoid of the warranty.

#### Cleaning and Washing:

- Washing agents used during the production to clean the customer application might damage or change the characteristics of the wire insulation, marking or plating. Washing agents may have a negative effect on the long-term functionality of the product.
- Using a brush during the cleaning process may break the wire due to its small diameter. Therefore, we do not recommend using a brush during the PCB cleaning process.

#### Potting:

- If the product is potted in the customer application, the potting material might shrink or expand during and after hardening. Shrinking could lead to an incomplete seal, allowing contaminants into the core. Expansion could damage the component. We recommend a manual inspection after potting to avoid these effects.


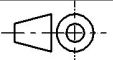

#### Storage Conditions:

- A storage of Würth Elektronik products for longer than 12 months is not recommended. Within other effects, the terminals may suffer degradation, resulting in bad solderability. Therefore, all products shall be used within the period of 12 months based on the day of shipment.
- Do not expose the components to direct sunlight.
- The storage conditions in the original packaging are defined according to DIN EN 61760-2.
- The storage conditions stated in the original packaging apply to the storage time and not to the transportation time of the components.

#### Handling:

- Violation of the technical product specifications such as exceeding the nominal rated current will void the warranty.
- Applying currents with audio-frequency signals may result in audible noise due to the magnetostrictive material properties.
- For direct GND connection between the LANMX and the panel, the area under the nut on both sides of the panel, needs to be without coating

These cautions and warnings comply with the state of the scientific and technical knowledge and are believed to be accurate and reliable. However, no responsibility is assumed for inaccuracies or incompleteness.

	CHECKED	REVISION	DATE (YYYY-MM-DD)	GENERAL TOLERANCE	PROJECTION METHOD	
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	DESCRIPTION				ORDER CODE	
	WE-LANMX Assembly				749699910	
Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com			SIZE/TYPE	BUSINESS UNIT	STATUS	PAGE
			M12	eiSos	Valid	5/6