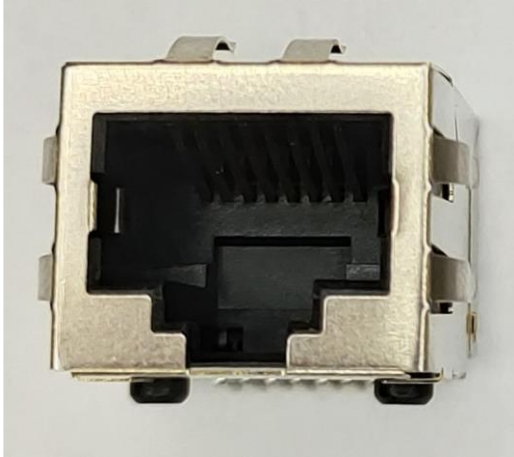
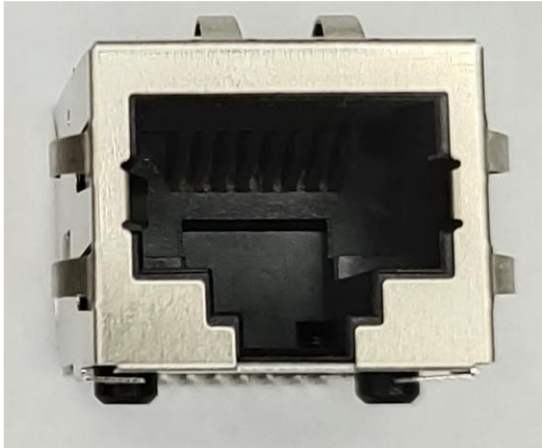

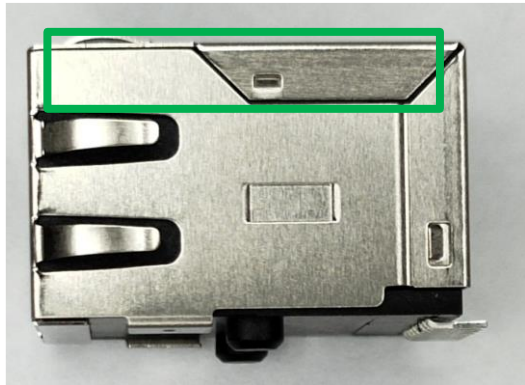


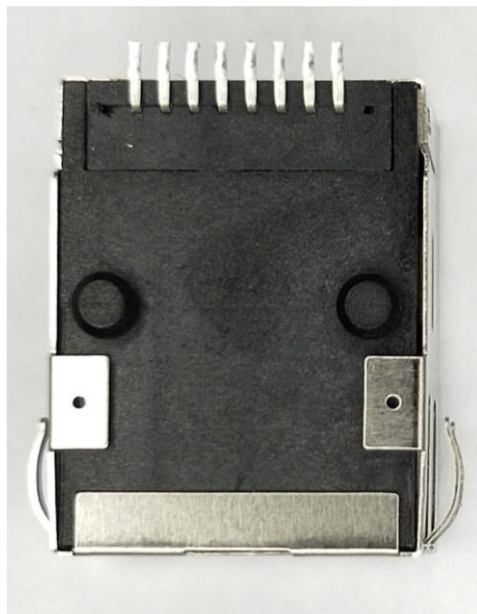
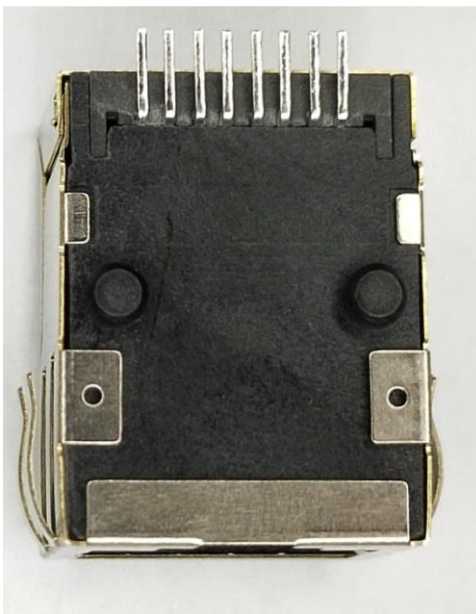


Product/Process Change Notice (PCN)	
<input checked="" type="checkbox"/> Major Change <input type="checkbox"/> Minor Change	
PCN Number: PCN_UtRJ45LAN_20250228 Affected Series: WE-RJ45LAN Affected Part Number: 74980110011, 7498011001A, 7498011008, 74980110081, 7498210002 PCN Date: 2024-11-28 (YYYY-MM-DD) Effective Date: 2025-02-28 (YYYY-MM-DD)	Change Category: <input type="checkbox"/> Equipment/Location <input checked="" type="checkbox"/> General Data <input checked="" type="checkbox"/> Material <input checked="" type="checkbox"/> Process <input checked="" type="checkbox"/> Product Design <input type="checkbox"/> Shipping/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Software
Contact: Product Management Phone: +49 (0) 7942 - 945 5001 Fax: +49 (0) 7942 - 945 5179 E-Mail: pcn.eisos@we-online.com	Datasheet Change: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Attachment: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
DESCRIPTION OF CHANGE: <p>In order to enhance the product reliability, Würth Elektronik eiSos will implement a new spot welding design technology.</p> <p>Along with this, further general improvements are done in design and process like shield connection and wire to shield insulation.</p> <p>There will be no change in fit and function of the product.</p> <p>The new revision of the affected order codes will be sent out after the previous revision is out of stock (according to FIFO - first-in, first-out).</p>	

DETAILS OF CHANGE:

1.) General Changes:

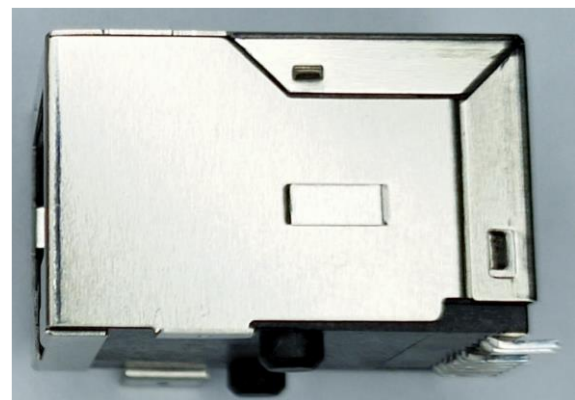
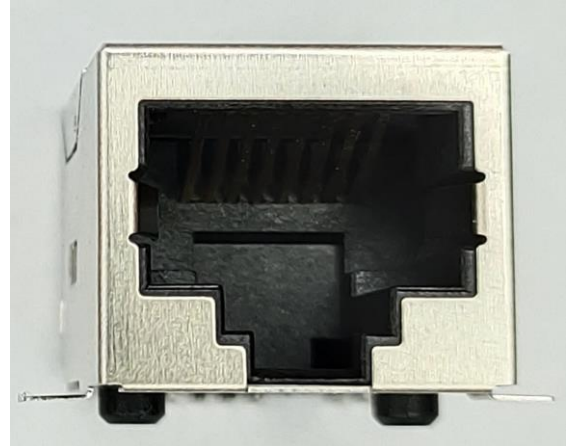
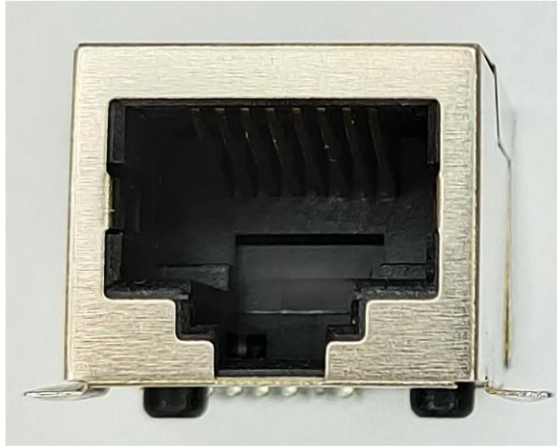
Before Change	After Change
Comparison of design (74980110011; 7498011001A; 7498011008; 74980110081):	
	
 <p style="text-align: center;">No top snap in for shielding</p>	 <p style="text-align: center;">Top snap in for shielding for better assembly</p>

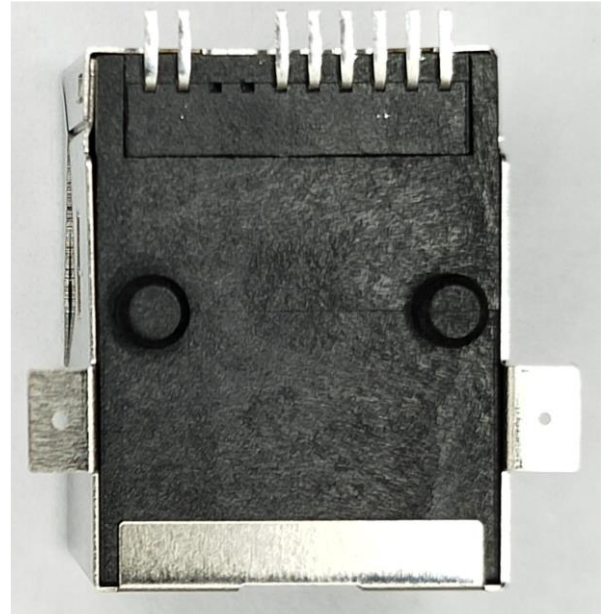
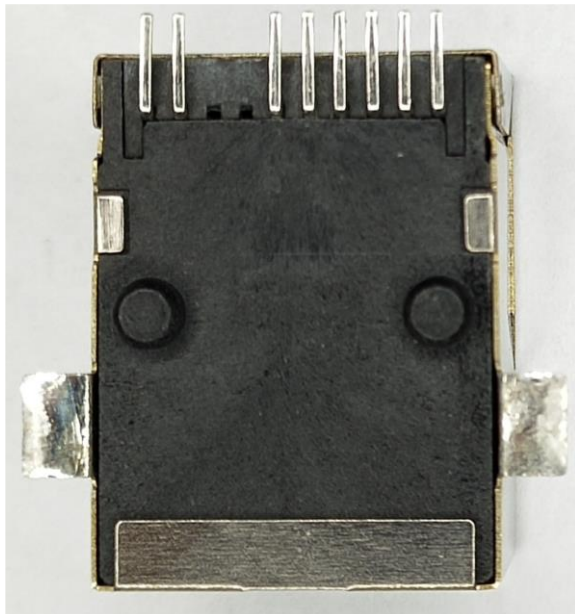


Long SMT signal pins

Slightly shorter SMT signal pins for higher mechanical stability

Comparison of design (7498210002)

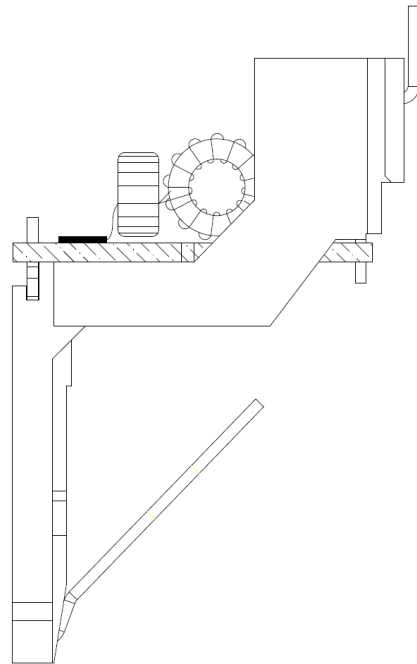
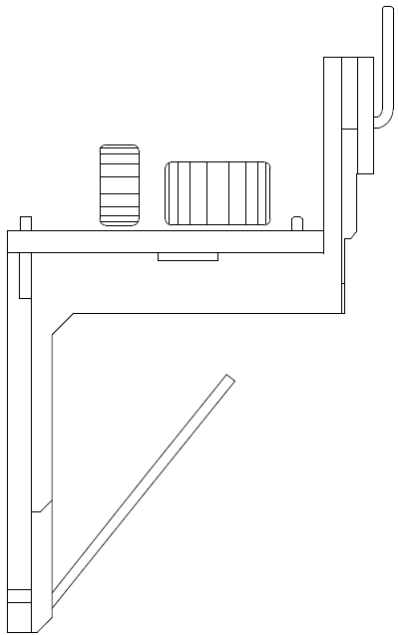
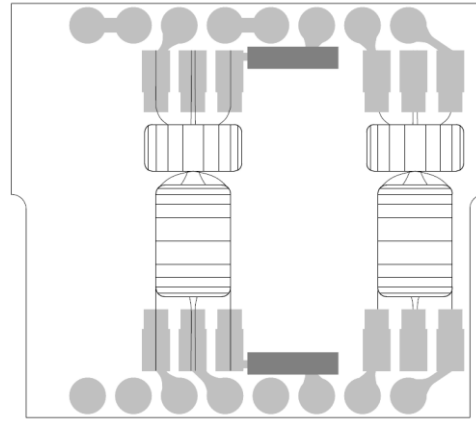
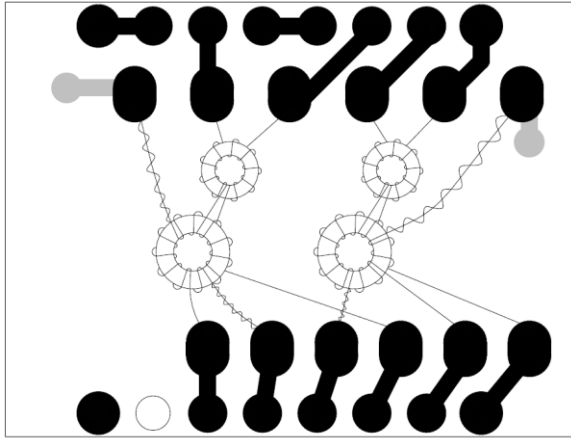




Long SMT signal pins
 Use pre-plating process and tin dipping for shielding

Slightly shorter SMT signal pins for higher mechanical stability
 Use post-plating process and no tin dipping for shielding

Use automatic spot welding and standardize core diameters and inner structure:



Manual assembly process of coils on the PCB

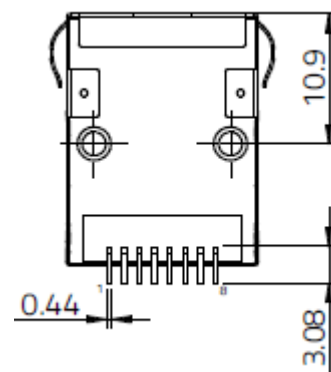
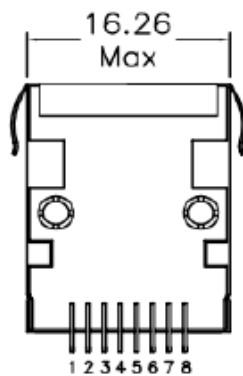
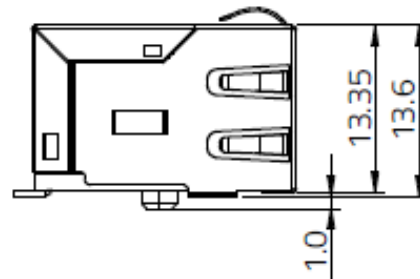
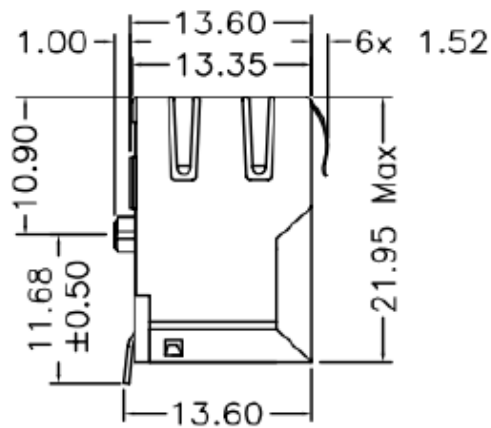
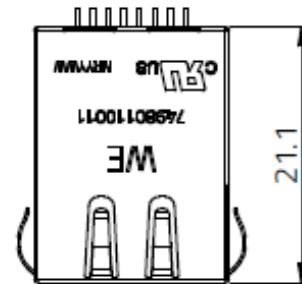
Automatic assembly process by spot welding

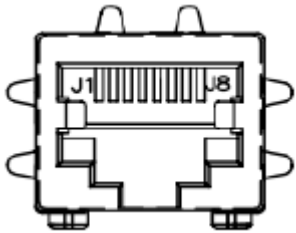
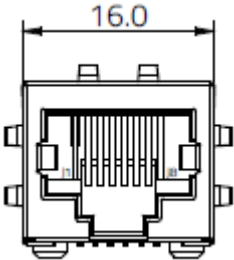
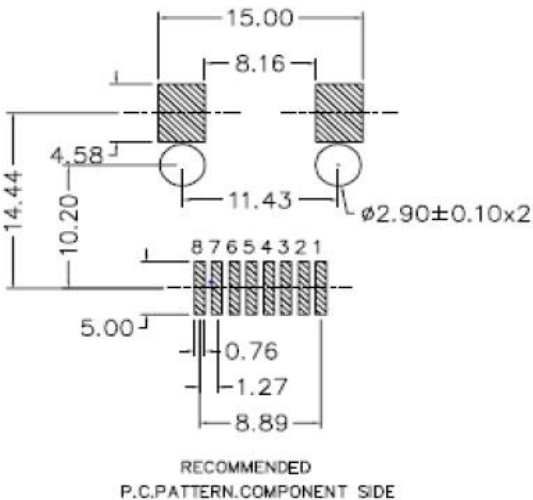
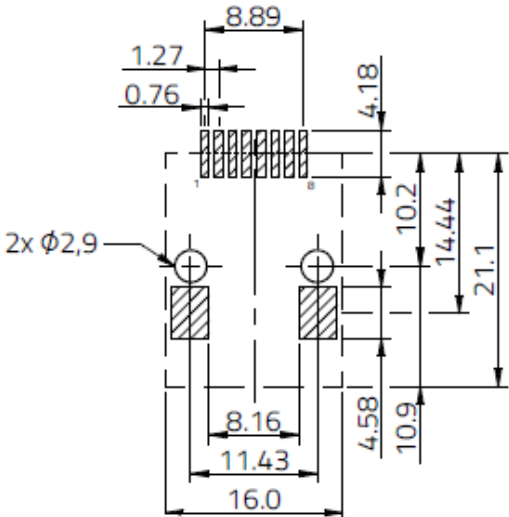
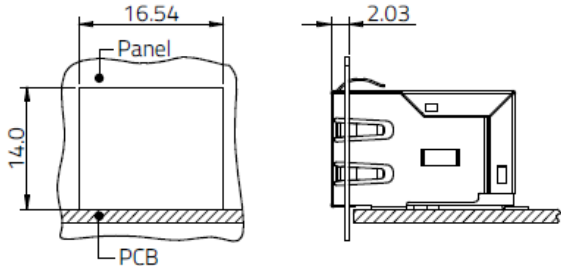
2.) Datasheet corrections and details for the part number:

74980110011:

Before Change


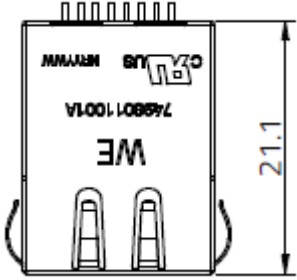
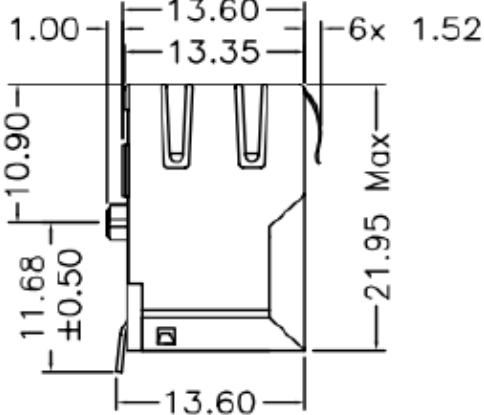
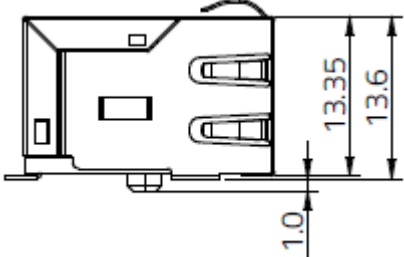
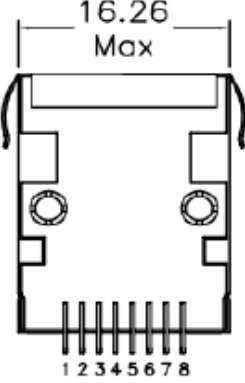
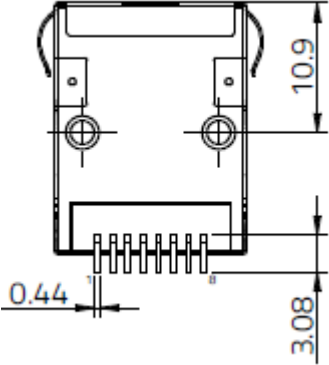
After Change

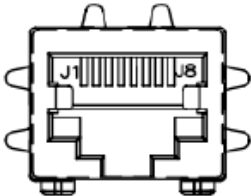
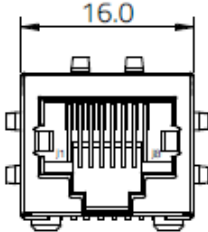
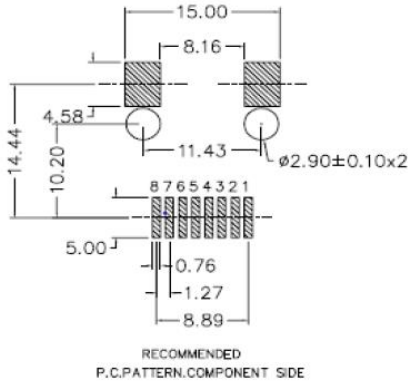
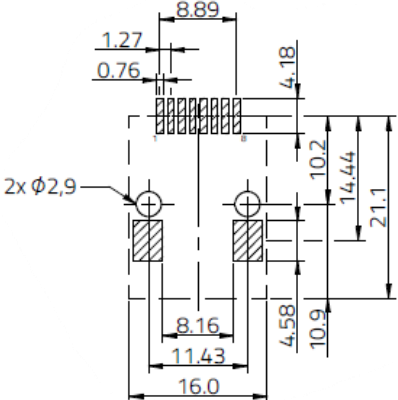
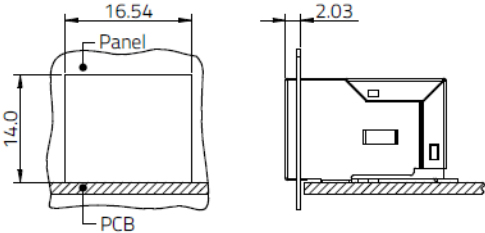



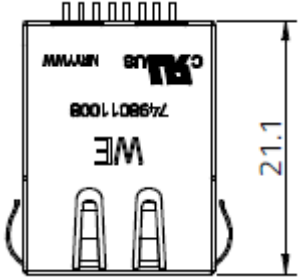
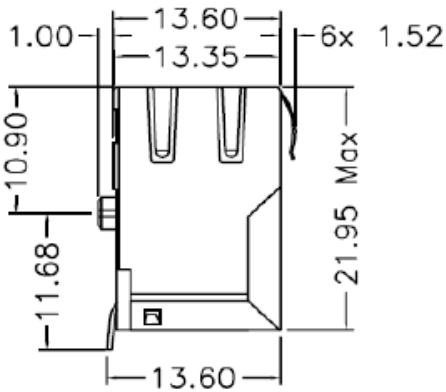
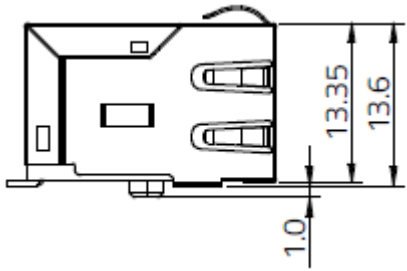
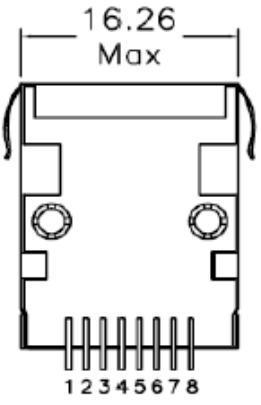
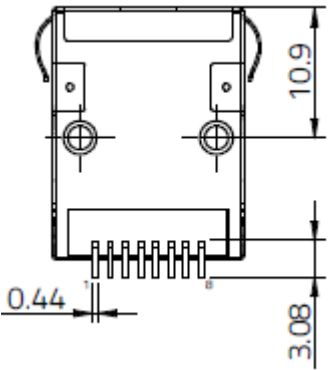
	
	
<p>No panel cutout</p>	
<p>RL: 1 – 10 MHz 30 – 60 MHz 60 – 80 MHz</p>	<p>RL: 1 – 30 MHz 30 – 60 MHz 60 – 80 MHz 80 – 100 MHz</p>

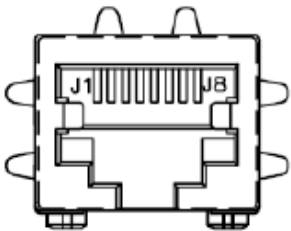
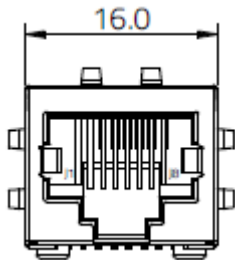
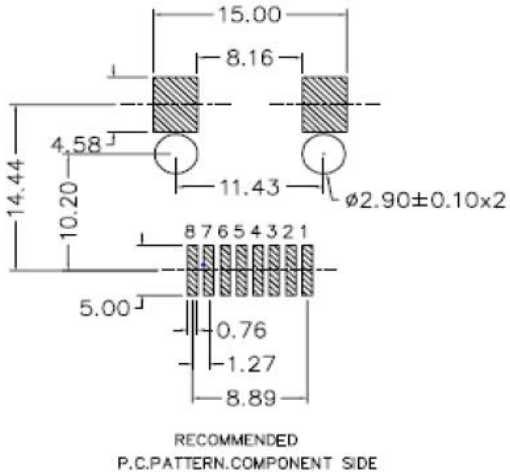
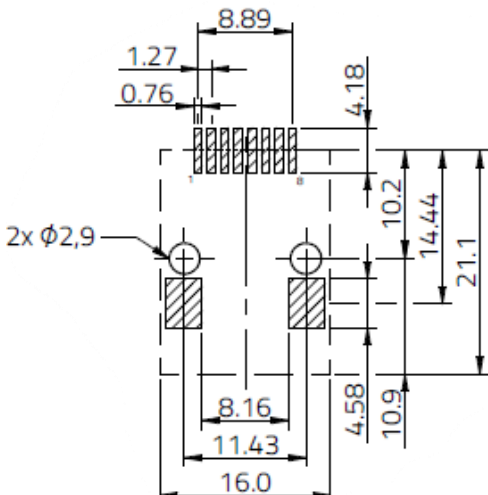
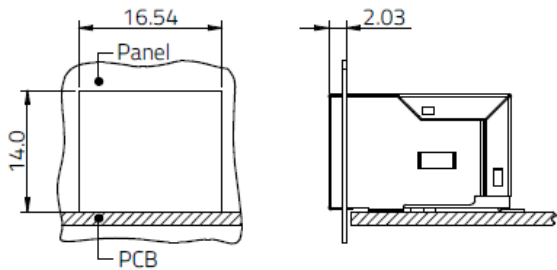


CMRR: 1 - 130 MHz	CMRR: 1 – 30 MHz 30 – 60 MHz 60 – 100 MHz
HIPOT: 1500 V(rms) for 1 min.	HIPOT: 2250 V(DC) for 1 min.

7498011001A: Before Change	After Change
	
	
	


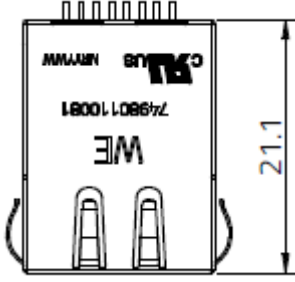
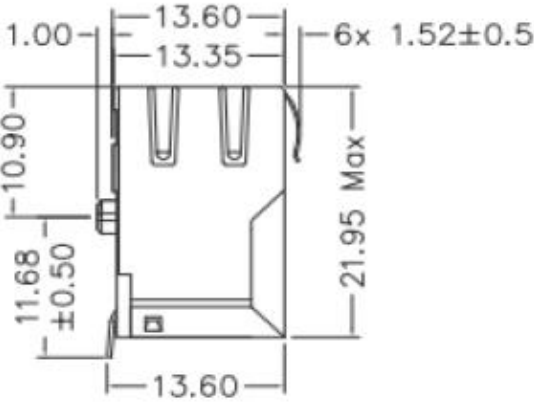
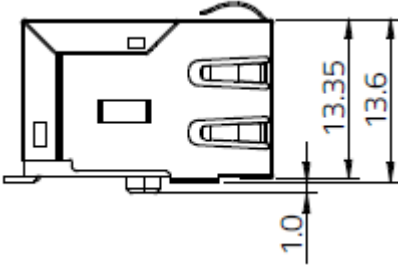
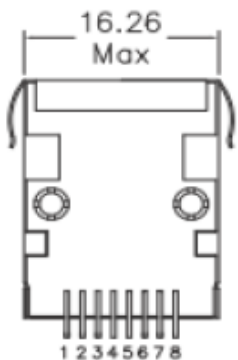
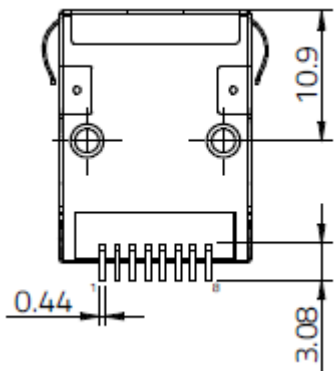
	
	
<p>No panel cutout</p>	
<p>RL: 1 – 10 MHz 30 MHz 60 – 80 MHz</p>	<p>RL: 1 – 30 MHz 30 – 60 MHz 60 – 80 MHz 80 – 100 MHz</p>
<p>CMRR: 1 – 130 MHz</p>	<p>CMRR: 1 – 30 MHz 30 – 60 MHz 60 – 100 MHz</p>
<p>HIPOT: 1500 V(rms) for 1 min.</p>	<p>HIPOT: 2250 V(DC) for 1 min.</p>

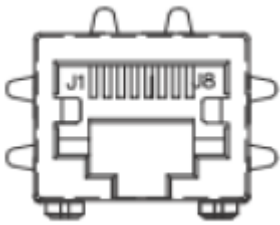
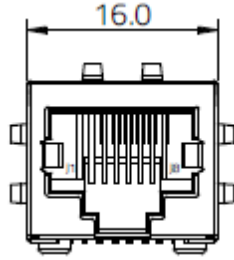
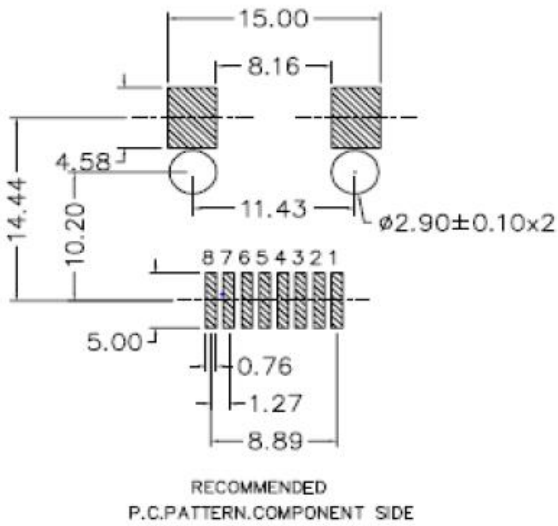
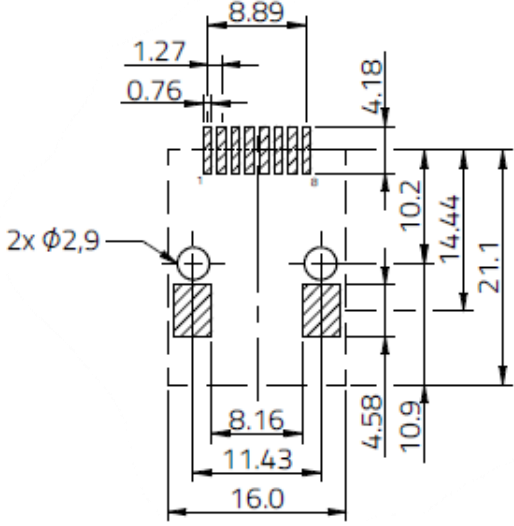
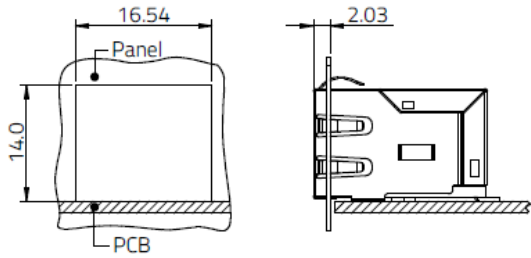
7498011008: Before Change	After Change
	
	
	

	
	
<p>No panel cutout</p>	
<p>RL: 1 – 10 MHz 30 MHz 60 – 80 MHz</p>	<p>RL: 1 – 30 MHz 30 – 60 MHz 60 – 80 MHz 80 – 100 MHz</p>



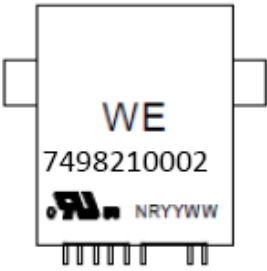
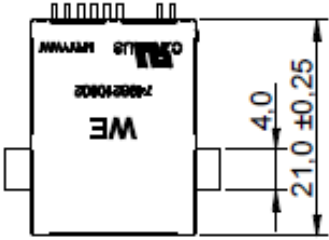
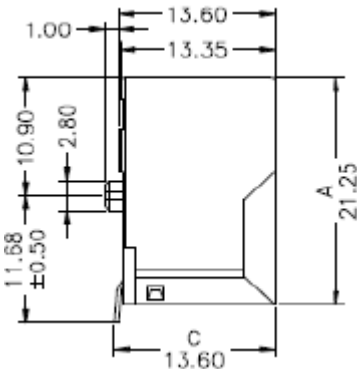
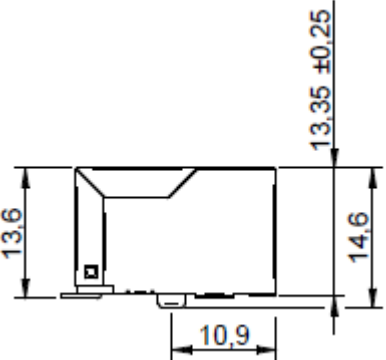
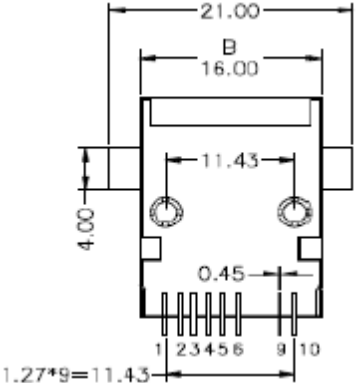
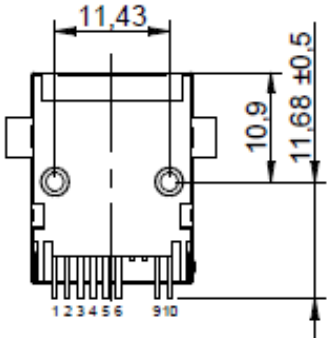
CMRR: 1 - 130 MHz	CMRR: 1 – 30 MHz 30 – 60 MHz 60 – 100 MHz
HIPOT: 1500 V(rms) for 1 min.	HIPOT: 2250 V(DC) for 1 min.

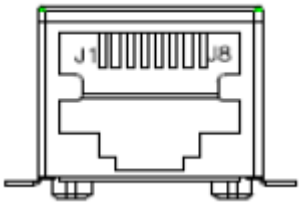
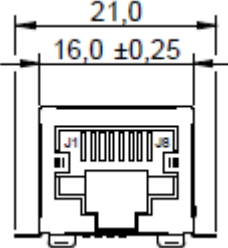
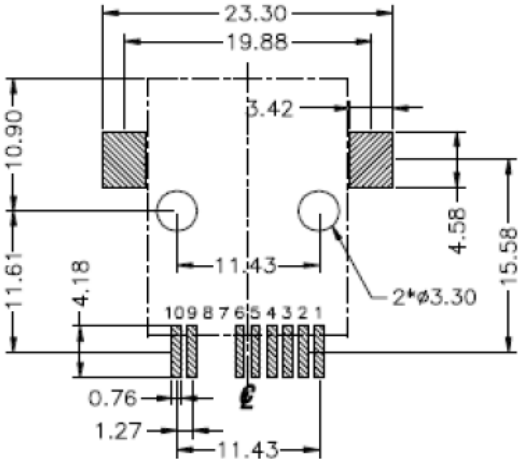
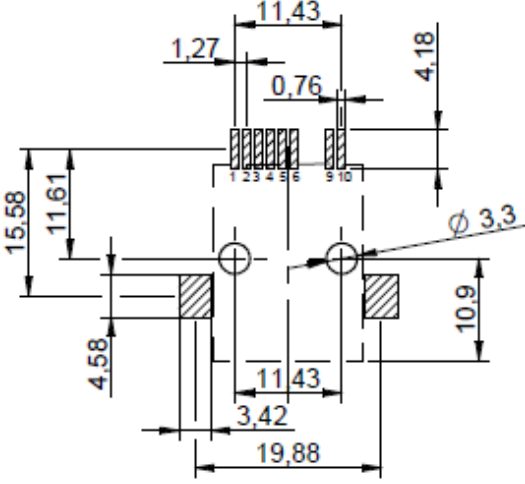
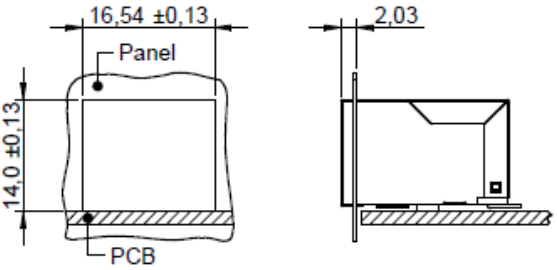
74980110081: Before Change	After Change
 <p>Top view of the component showing the WE logo, part number 74980110081, and the NRYYYW marking.</p>	 <p>Top view of the component after change, showing a different marking and a height dimension of 21.1.</p>
 <p>Side view of the component before change with dimensions: 1.00, 13.60, 13.35, 6x 1.52±0.5, 10.90, 11.68 ±0.50, 21.95 Max, 13.60.</p>	 <p>Side view of the component after change with dimensions: 13.35, 13.6, 1.0.</p>
 <p>Bottom view of the component before change with a width dimension of 16.26 Max and pin numbering 1 2 3 4 5 6 7 8.</p>	 <p>Bottom view of the component after change with dimensions: 10.9, 0.44, 3.08.</p>

	
	
<p>No panel cutout</p>	
<p>RL: 1 – 10 MHz 30 MHz 60 – 80 MHz</p>	<p>RL: 1 – 30 MHz 30 – 60 MHz 60 – 80 MHz 80 – 100 MHz</p>



CMRR: 1 - 130 MHz	CMRR: 1 – 30 MHz 30 – 60 MHz 60 – 100 MHz
HIPOT: 1500 V(rms) for 1 min.	HIPOT: 2250 V(DC) for 1 min.

7498210002: Before Change	After Change
 <p>Top view of the component 7498210002 before change. The component is rectangular with a 'WE' logo and the part number '7498210002' printed on the top surface. It has a 9-pin connector on the bottom edge and mounting tabs on the left and right sides.</p>	 <p>Top view of the component 7498210002 after change. The component is rectangular with a 'WE' logo and the part number '7498210002' printed on the top surface. It has a 9-pin connector on the bottom edge and mounting tabs on the left and right sides. Dimensions shown: 4.0 mm for the top edge of the connector area, and 21.0 ± 0.25 mm for the total width.</p>
 <p>Left side view of the component 7498210002 before change. Dimensions shown: 1.00 mm for the top edge of the connector area, 13.60 mm for the total width, 13.35 mm for the width of the main body, 11.68 ± 0.50 mm for the height of the main body, 2.80 mm for the height of the connector area, 10.90 mm for the height of the mounting tabs, and 21.25 mm for the total height. Labels A, B, and C are used to denote specific dimensions.</p>	 <p>Left side view of the component 7498210002 after change. Dimensions shown: 13.6 mm for the height of the main body, 13.35 ± 0.25 mm for the height of the main body, 14.6 mm for the height of the mounting tabs, and 10.9 mm for the width of the mounting tabs.</p>
 <p>Bottom view of the component 7498210002 before change. Dimensions shown: 21.00 mm for the total width, 16.00 mm for the width of the main body, 11.43 mm for the width of the connector area, 4.00 mm for the height of the mounting tabs, 0.45 mm for the spacing between the connector pins, and 1.27 * 9 = 11.43 mm for the total length of the connector pins. Pin numbers 1, 2, 3, 4, 5, 6, 9, and 10 are indicated.</p>	 <p>Bottom view of the component 7498210002 after change. Dimensions shown: 11.43 mm for the width of the connector area, 10.9 mm for the height of the mounting tabs, and 11.68 ± 0.5 mm for the height of the main body. Pin numbers 1, 2, 3, 4, 5, 6, 9, and 10 are indicated.</p>

	
	
<p>No panel cutout</p>	
<p>RL: 0.5 – 30 MHz 30 – 60 MHz 60 – 80 MHz</p>	<p>RL: 1 – 30 MHz 30 – 60 MHz 60 – 80 MHz 80 – 100 MHz</p>



CMRR: 1 - 130 MHz	CMRR: 1 - 30 MHz 30 - 60 MHz 60 - 100 MHz
CT: 0.5 - 40 MHz 40 - 100 MHz	CT: 1 - 60 MHz 60 - 100 MHz

RELIABILITY / QUALIFICATION OF CHANGE:

An additional reliability testing was performed and approved.
 Additional details of the tests can be found in the table below:

Test Item	Sample size	Reference	Test conditions	Acceptance
Resistance to Soldering Heat (THT Types)	30	MIL-STD-202-210	Tp = 260 ±5 °C, tp = 10 ±1 s, 1 time wave	Approved
Soldering Test (THT Types)	30	J-STD-002	Steam Aging 8 hrs @ 93 °C, Soldering Temperature: 245 ±5 °C Soldering Time: 4 ~ 5 seconds Solder: Sn96.5Ag3Cu0.5	Approved
OCL at temperature limits	10	eiSos PM Standard	Put in oven while measuring the inductance. (OCL value at 1. Ambient Temperature, 2. Low temperature limit, 3. High temperature limit) Operating temp. limits ±3 °C Electrical conditions: 100 mV, 100 kHz, Bias current see datasheet Temperature limits: See datasheet	Approved
High Temperature Exposure	30	MIL-STD-202-108	Temperature: 85 ±3 °C, Duration: 1000 hours	Approved
Low Temperature Storage life	30	JESD22-A119	Temperature: -40 ±3 °C, Duration: 1000 hours	Approved
Thermal Shock	30	MIL-STD-202-107	-40 °C (30min) ~ 85 °C (30min), Transfer time max. 20s, 300 cycles	Approved



Vibration	30	MIL-STD-202-204	10g's for 20 minutes, 12 cycles each of 3 orientations. Test from 15-2000 Hz	Approved
MaU WES 3.1 Mating & unmating (force)	5	EIA-364-13D	Test speed: 25mm/min, maximal force value while mating and unmating.	Approved
Durability	5	IEC 60512, Test 9a, 13b /EIA -364-09C	Mate and Unmate connector, 30Nmax, Test speed = 450~550 cycles/hour, total 1200 cycles.	Approved
Moisture Resistance	30	MIL-STD-202-106	Temperature: 25 °C ~ 65 °C, 24H/cycle humidity: 95 % (R.H), Duration: 500 hours	Approved
Static Pull	5	EIA-364-98	53.4 N (12 lbf) min pull at an 40° angle, 4 directions, electrical load:100 mA DC; 60 s in each direction.	Approved
Dynamic Pull	5	EIA-364-41E	33.34 N (7.5 lbf) min pull at an 40° angle from normal hanging axis, each of 2 planes dimension, electrical load:100 mA DC; 4 cycles a minute, 3 cycles (full rotations in each direction)	Approved
Salt Spray	30	EIA-364-26B	Temperature: 35±2 °C, humidity: 95 ~ 98 % (R.H) PH Value: 6.5 ~ 7.2, Duration time: 72 hours Density of salt water: 5 ±1 %	Approved