



Product / Process Change Notification (PCN)

- ☒ Major change
☐ Minor change

PCN #: PCN_UtRJ45LAN_20230711
Affected Series: WE-RJ45LAN-Series; 749XXX, SXXX
PCN Date: April 11, 2023
Effective Date: July 11, 2023

Change Category:

- ☐ Equipment / Location
☒ General Data
☒ Material
☒ Process
☒ Product Design
☐ Shipping / Packaging
☐ Supplier
☐ Software

Contact: Product Management
Phone: +49 (0) 7942 - 945 5001
Fax: +49 (0) 7942 - 945 5179
E-Mail: pcn.eisos@we-online.com

Data Sheet Change:

- ☒ Yes ☐ No

Attachment:

- ☐ Yes ☒ No

Description and purpose of change:

To improve the product reliability, Würth Elektronik will implement a new spot welding design technology. Along with this, further general improvements are done in design and process, like shield plating or wire to shield insulation.

Additional Würth Elektronik will change to a new data sheet format and correct datasheet mismatches. All products with date code 2023-06-30 or later, will be affected by this change.

There will be no change in fit and function of the product.

Detail of Change:

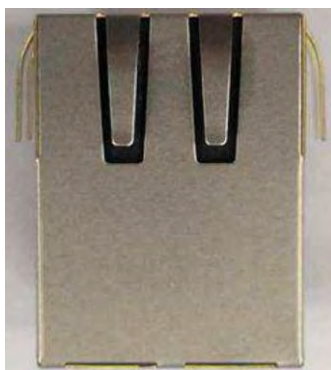
BEFORE CHANGE



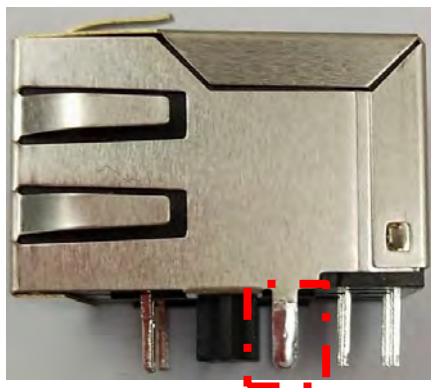
AFTER CHANGE



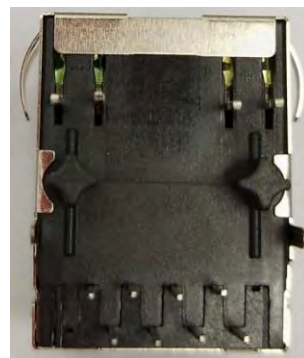
Above: Front view



Above: EMI fingers are more curved for improved handling



Above: Changed metal shield's pin from pre-plating process to pre-soldering process



Affected P/Ns: 7499211123, 74990111215, 74990110013, 7499111443

Above: Changed plastic housing material from PA10T to PA66



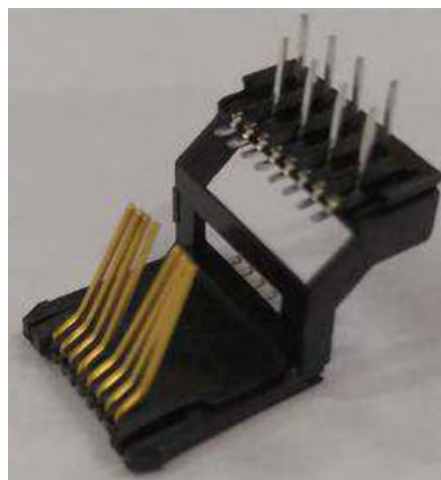
Affected P/N: 7499111443

Above: Changed from cambered to flat surface and from diffused to transparent LED



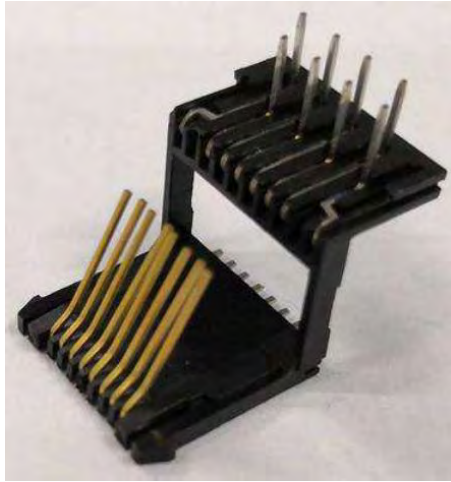
Affected P/Ns: 74992101211, 7499410420, 7499211260, 7499211230, 74990111215A, S13100040, 74990112124, 74990111211, 7499011444A, 7499111440A, 7499111441A, S14100074, 7499111446, S17100096, 7499111424, 7499111423, S16100099, 7499010441, S13100049, S14100137, 74994114400, S18100064, 74990102133

Above: Changed from diffused to transparent LED



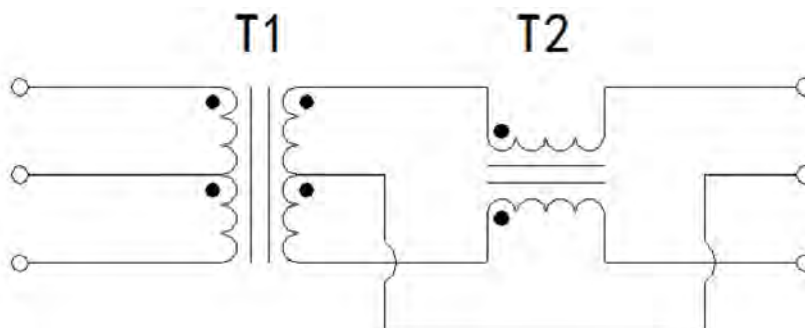
Affected P/Ns: 7499211123, 74990111215, 74990110013, 7499111443

Above: Material of plastic insert changed from PA10T to PA66



Affected P/Ns: S16100001, 7499410213, S17100055, S16100013, 7499210213, 7499211123A, 7499210211, 7499211123, 7499211002A, 74992101211, 7499211122A, 7499210122, 7499210121, 7499211121, 7499410420, 7499211121A, 7499210121A, 74992111211, 7499211220, 7499211260, 7499211230, 74990111215A, 74990111215, 74990110013, 7499012000, 7499011121, 7499011215, 7499011125, 7499010213, 74990112120, 7499011122A, 74990100040, S17100003, 7499011223A, 7499011213A, S13100040, 74990110031, 74990112124, 7499111443, 7499111440A, 7499111121A, 7499111001A, 7499111441A, S14100074, 7499111446, S17100096, 7499111424, 7499110122, 7499111423, 7499111213, S16100099, S20100137, S14100141, S13100049, S14100137, S18100064, 7499211123, 74990111215, 74990110013, 7499111443

Above: Change of inner pin design



Content	Specification
T1 core	3.43x1.78x2.06 mm
T2 core	2.64x1.40x1.27 mm
Wire	0.10mm QPN
T1 Turns	12T
T2 Turns	10T

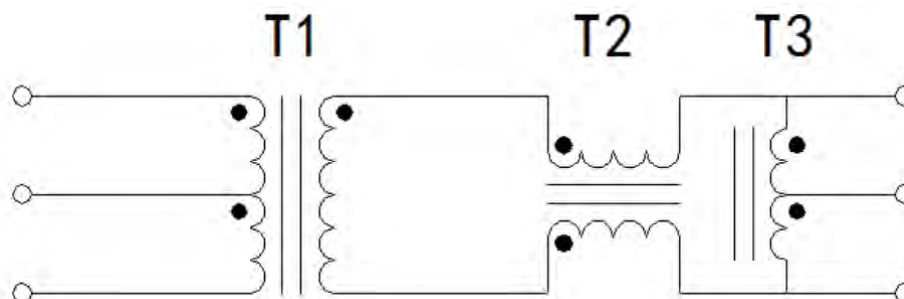
Content	Specification
T1 core	3.05x1.78x2.03 mm
T2 core	2.64x1.40x1.27 mm
Wire	0.09mm QPN
T1 Turns	14T
T2 Turns	10T

Above: 7499210213, 74990100040, S17100003, 7499011223A, 7499111440A, 7499111121A, 7499111001A, 7499111441A, S16100099, 7499010441, S14100137, S18100064, 74990102133

Content	Specification
T1 core	3.05x1.78x1.52 mm
T2 core	2.64x1.40x1.27 mm
Wire	0.09mm QPN
T1 Turns	15T
T2 Turns	10T

Content	Specification
T1 core	3.05x1.78x2.03 mm
T2 core	2.64x1.40x1.27 mm
Wire	0.09mm QPN
T1 Turns	14T
T2 Turns	10T

Above: 7499111213, 7499011127



Content	Specification
T1 core	3.43x1.78x2.06 mm
T2 core	2.64x1.40x1.27 mm
T3 core	3.43x1.78x2.06 mm
Wire	0.10mm QPN
T1 Turns	12T
T2 Turns	10T
T3 Turns	23T

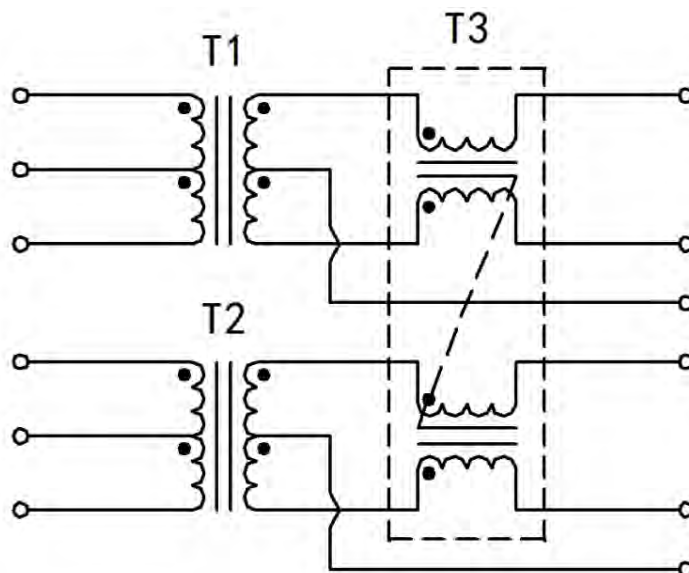
Content	Specification
T1 core	3.43x1.78x2.06 mm
T2 core	2.64x1.40x1.27 mm
T3 core	3.43x1.78x2.06 mm
Wire	0.10mm QPN
T1 Turns	12T
T2 Turns	10T
T3 Turns	23T

Above: 7499211121A, 7499210121A, 74992111211, 7499211220, 7499011122A, 7499011213A, S13100040, 74990110031, 74990112124, S14100074, S20100137, S14100141

Content	Specification
T1 core	2.92x1.62x2.41 mm
T2 core	2.64x1.40x1.27 mm
T3 core	2.92x1.62x1.78 mm
Wire	0.09mm QPN
T1 Turns	14T
T2 Turns	16T
T3 Turns	24T

Content	Specification
T1 core	3.43x1.78x2.06 mm
T2 core	2.64x1.40x1.27 mm
T3 core	3.43x1.78x2.06 mm
Wire	0.10mm QPN
T1 Turns	12T
T2 Turns	10T
T3 Turns	23T

Above: 7499210122, 7499210121, 7499211121



Content	Specification
T1 core	3.05x1.78x2.00 mm
T2 core	3.05x1.78x2.00 mm
T3 core	3.05x1.78x1.52 mm
Wire	0.10mm QPN
T1 Turns	13T
T2 Turns	13T
T3 Turns	14T

Content	Specification
T1 core	3.43x1.78x2.06 mm
T2 core	3.43x1.78x2.06 mm
T3 core	3.43x1.78x1.27 mm
Wire	0.09mm QPN
T1 Turns	12T
T2 Turns	12T
T3 Turns	10T

Above: 7499210211



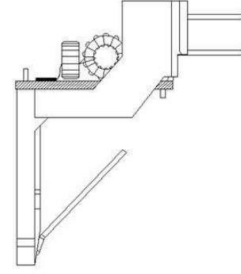
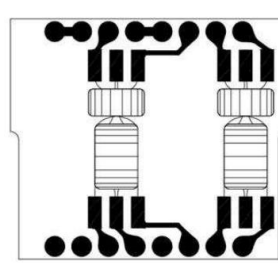
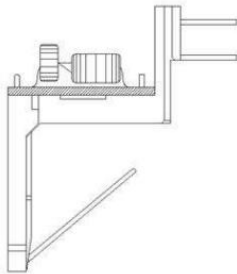
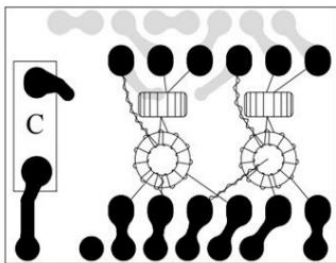
Affected P/Ns: S16100001, 7499410213, S17100055, S16100013, 7499210213, 7499211123A, 7499211123, 7499211002A, 74992101211, 7499211122A, 74990111215, 74990110013, 7499012000, 7499011121, 7499011215, 7499011125, 7499010213, 74990112120, 7499011223A

Above: Change from THT capacitor to SMD capacitor



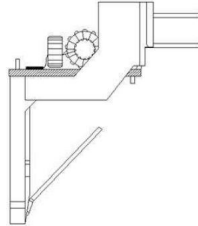
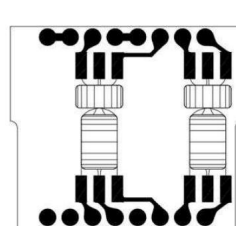
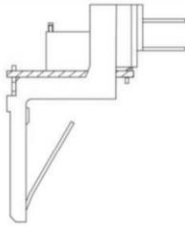
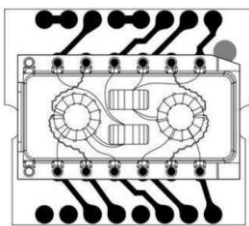
Affected P/Ns: 7499210122, 7499210121, 7499211121

Above: change rectifier bridge



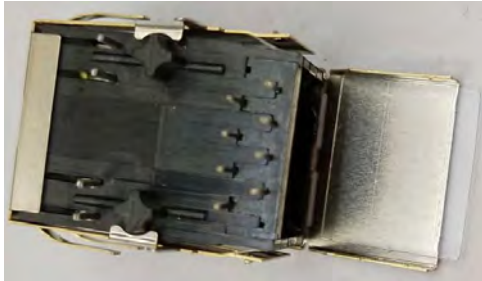
Affected P/N: 7499011223A

Above: inner structure



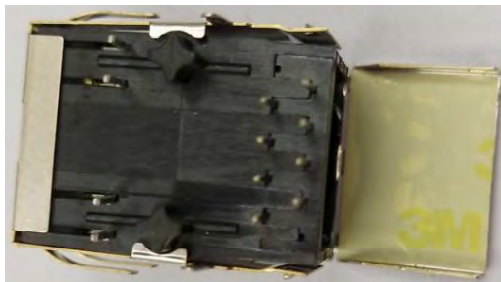
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Above: inner structure



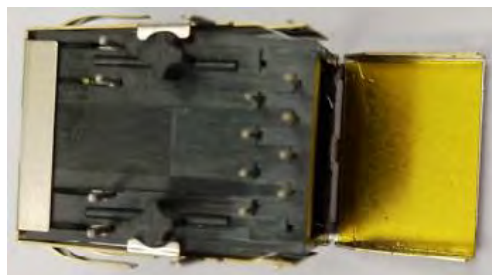
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Above: PET insulation film changed to PC insulation film



Affected P/Ns: S16100001, 7499410213, S17100055, S16100013, 7499211002A, 74992101211, 7499211122A, 7499211260, 7499211230, 74990111215, 74990110013, 7499010213, 74990112120, 7499111440A, 7499111121A, 7499111001A, 7499111441A, 7499111446, S16100099, 7499010441, S20100137, S13100049, S14100137, S18100064, 74990102133

Above: Polyethylene terephthalate film insulating tape changed to PC insulation film



Affected P/Ns: 7499211123, 7499111443

Above: Polyimide film insulating tape changed to PC insulation film

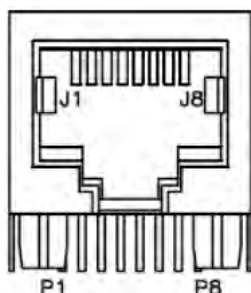
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Above: Insulating film is removed

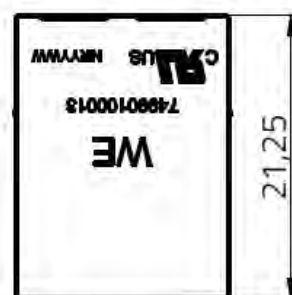
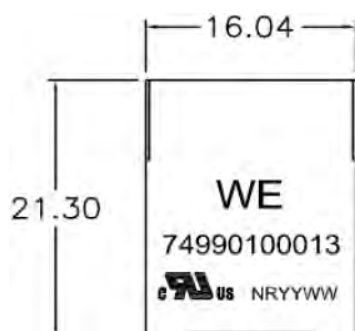
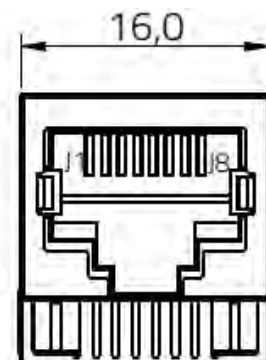
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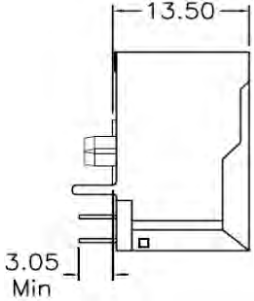
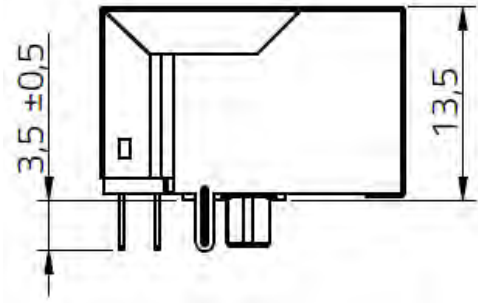
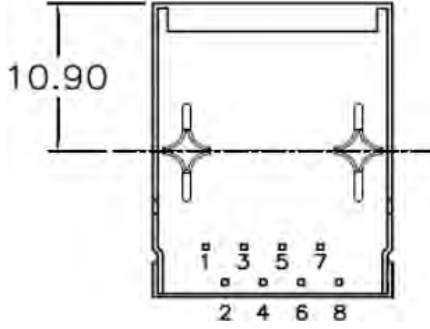
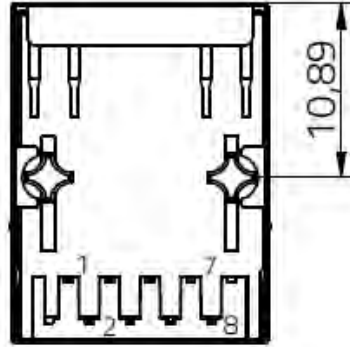
74990100013:

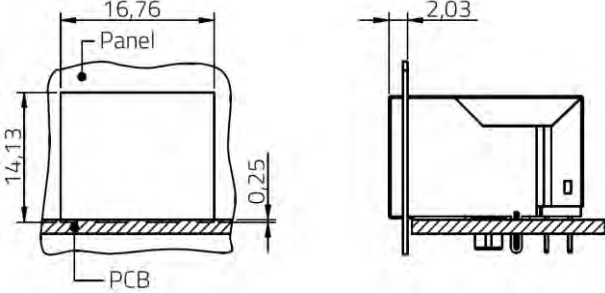
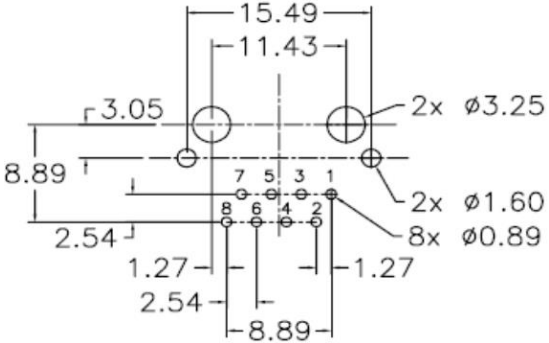
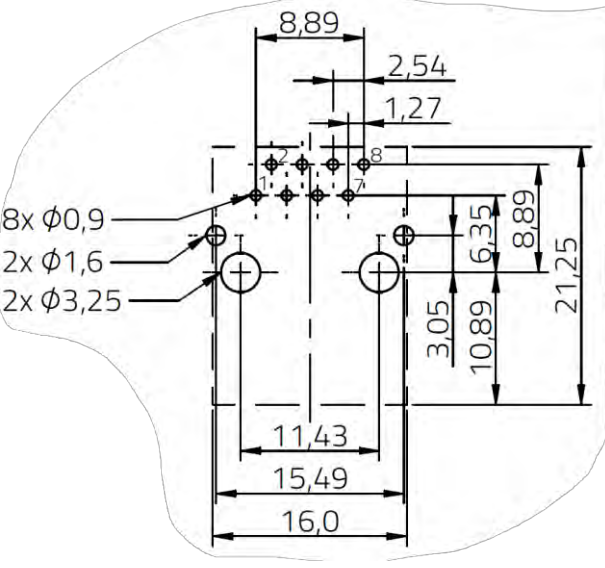
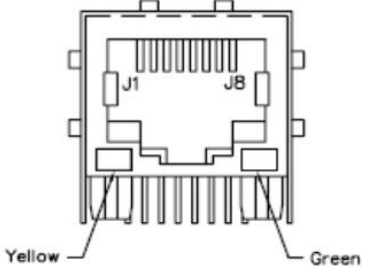
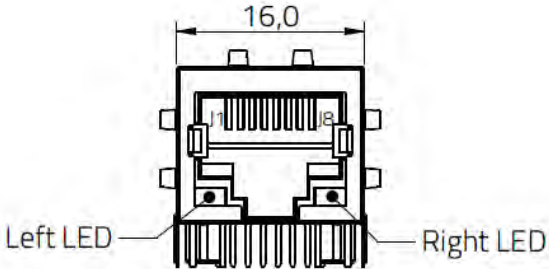
BEFORE CORRECTION

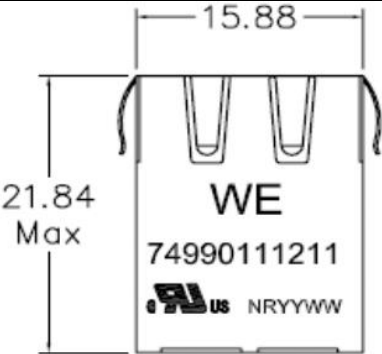
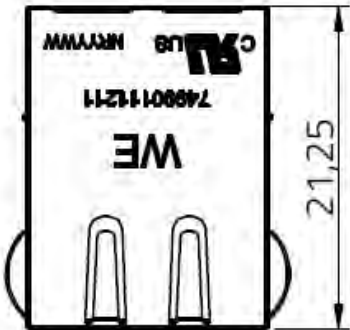
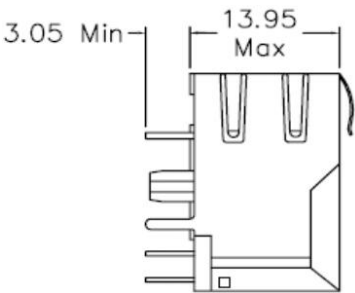
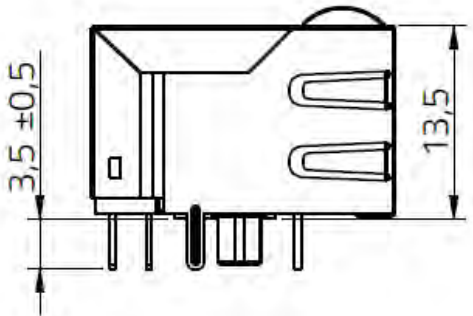
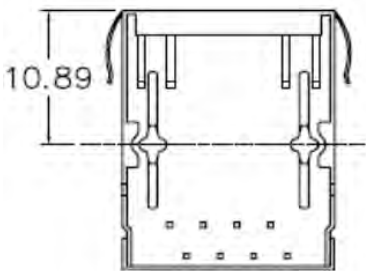
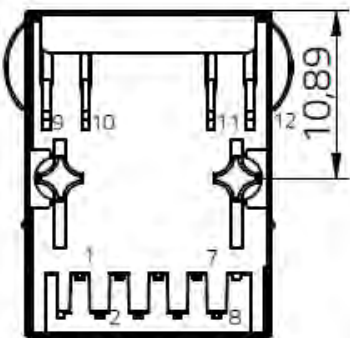


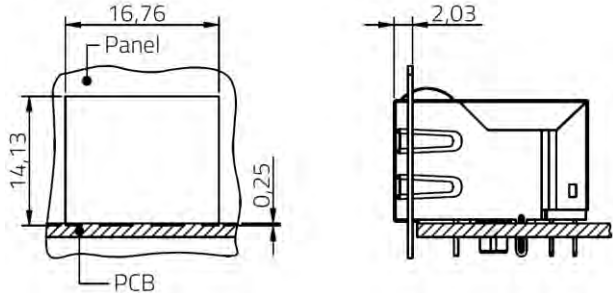
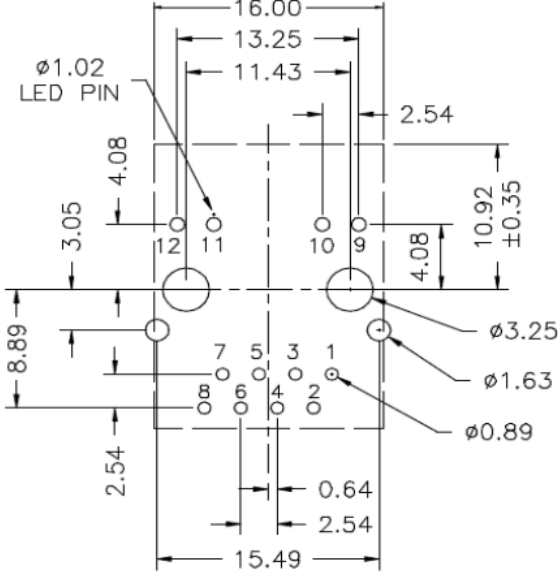
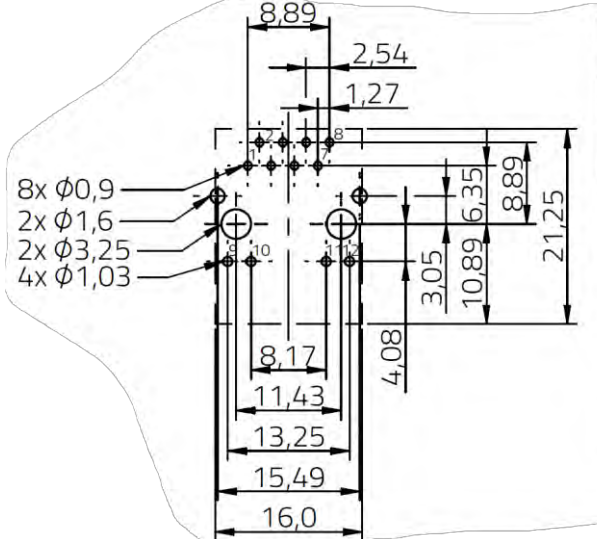
AFTER CORRECTION



	
	
Return Loss: 1-30 MHz 40 MHz 50 MHz 60-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 30 MHz 60 MHz 100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 80 MHz	Crosstalk: 1-60 MHz 60-100 MHz

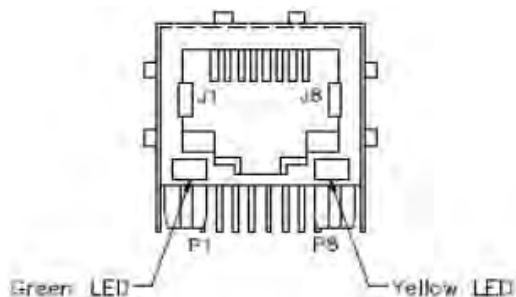
No panel cutout	
	
74990111211:	
BEFORE CORRECTION 	AFTER CORRECTION 

	
	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-50 MHz 50-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz

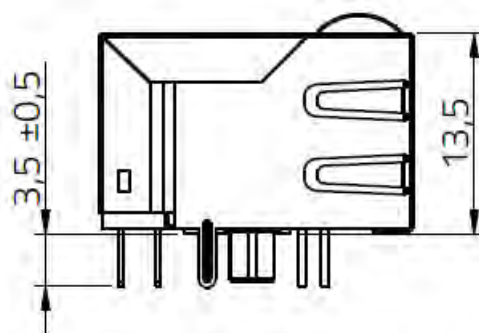
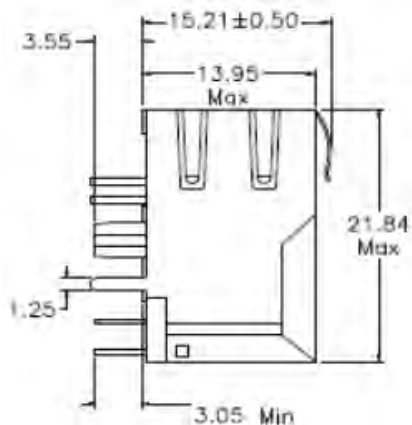
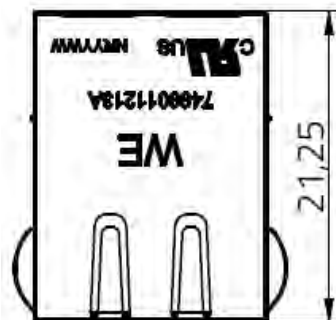
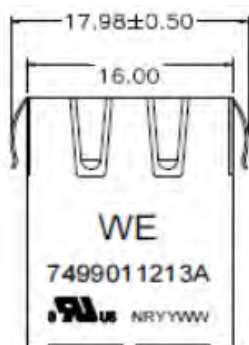
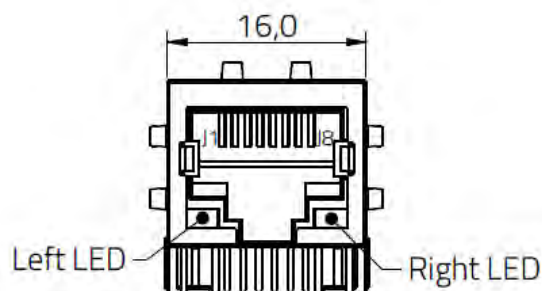
Crosstalk: 1-30 MHz 30-60 MHz 60-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
 (Component Side View)	

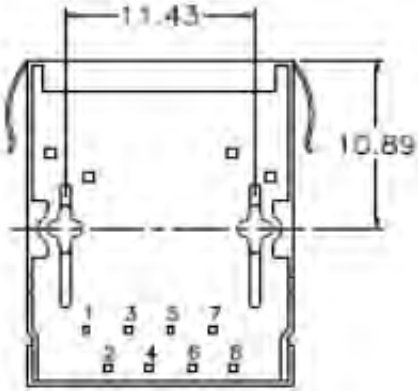
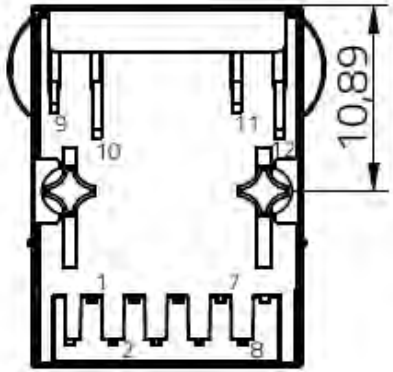
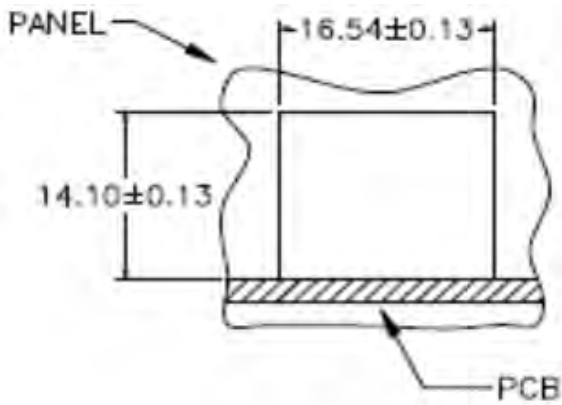
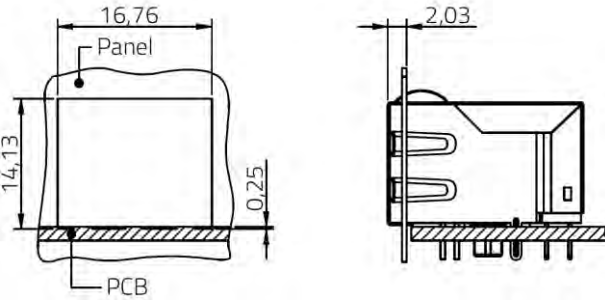
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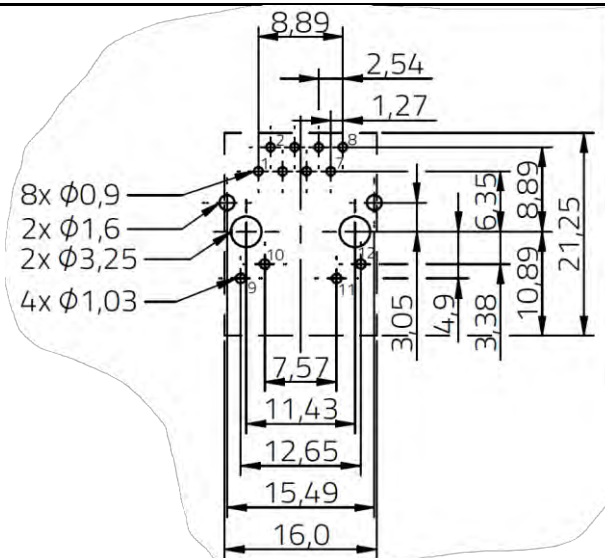
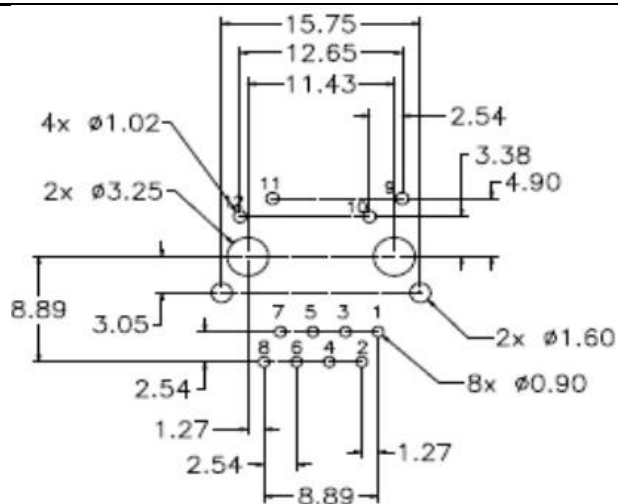
BEFORE CORRECTION



AFTER CORRECTION

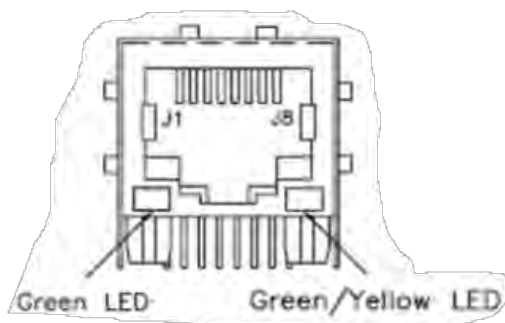


	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-50 MHz 50-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-30 MHz 30-60 MHz 60-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
	

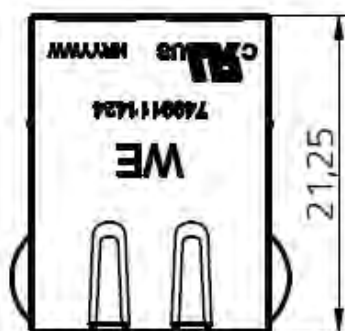
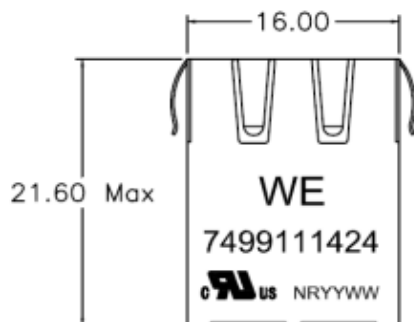
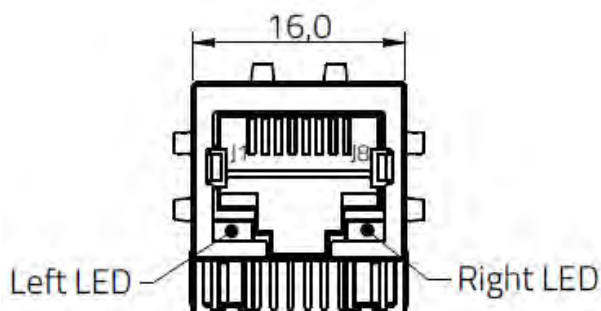


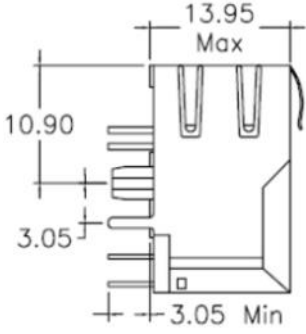
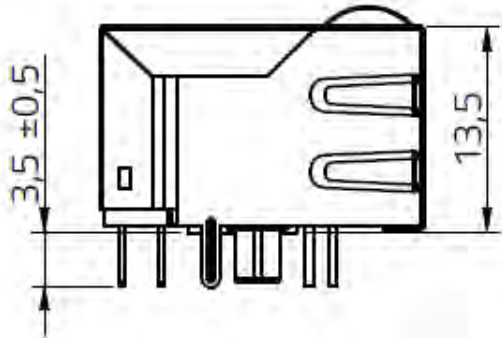
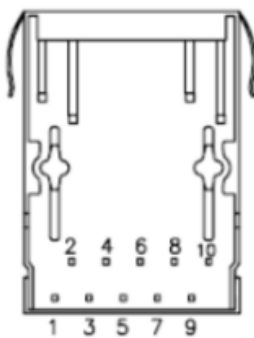
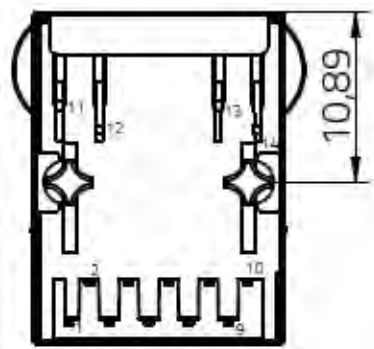
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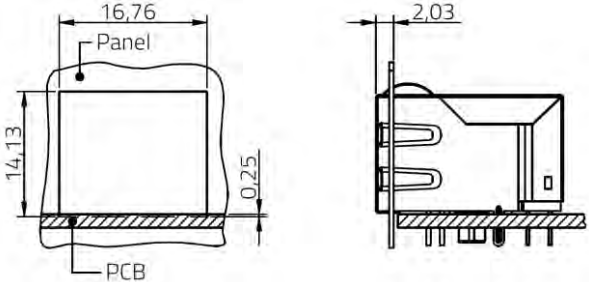
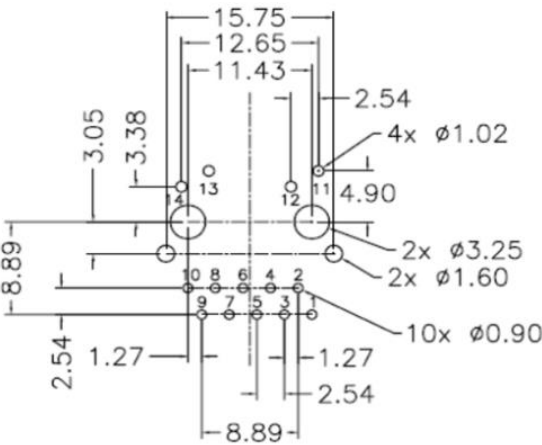
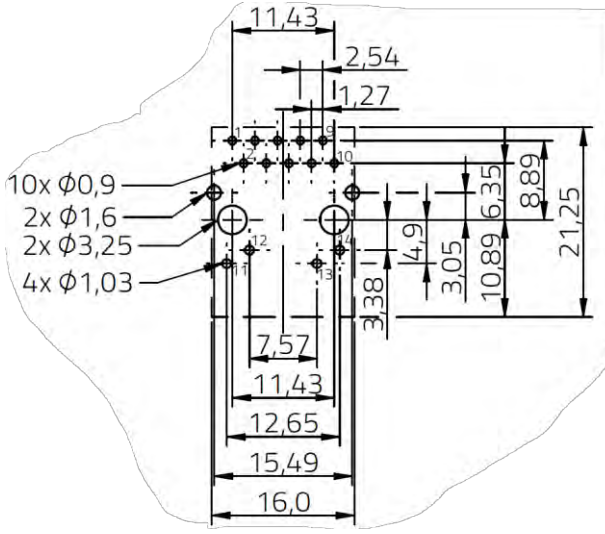
BEFORE CORRECTION



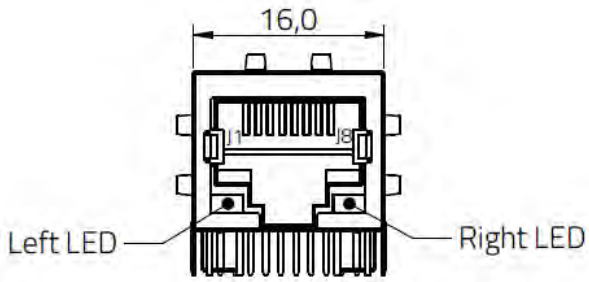
AFTER CORRECTION

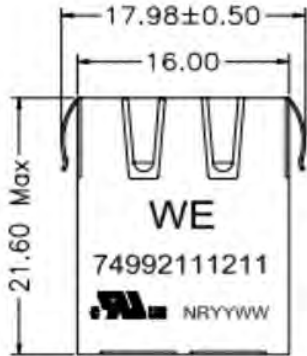
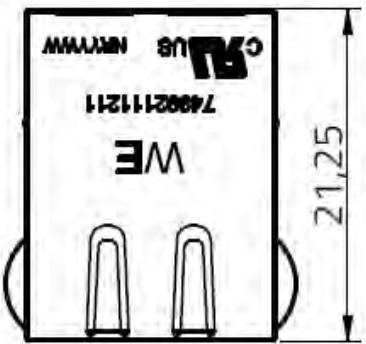
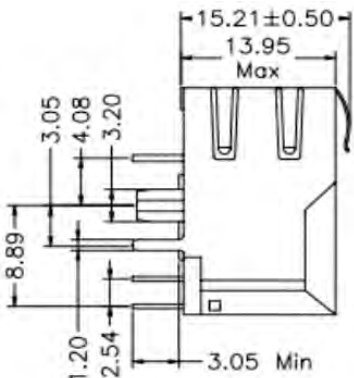
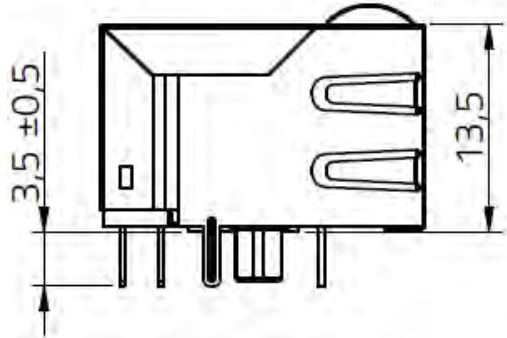
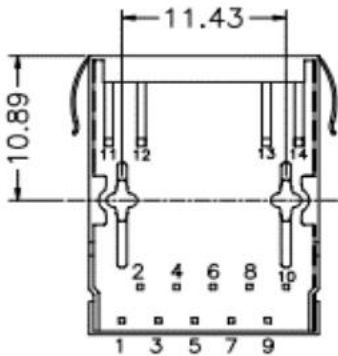
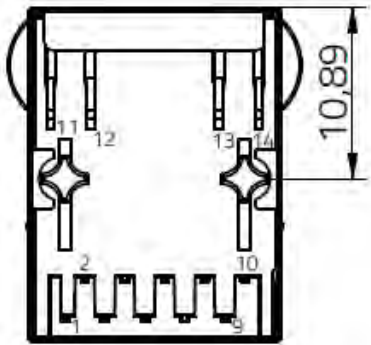


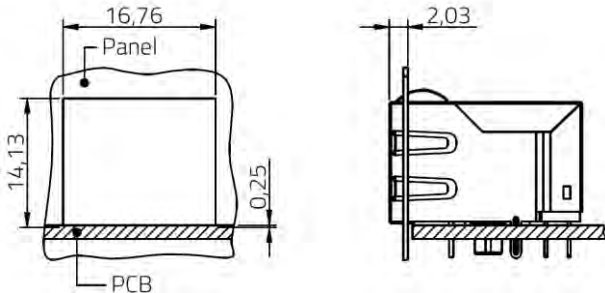
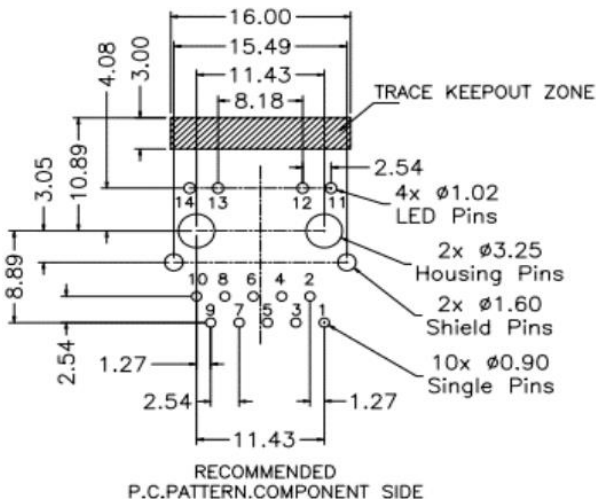
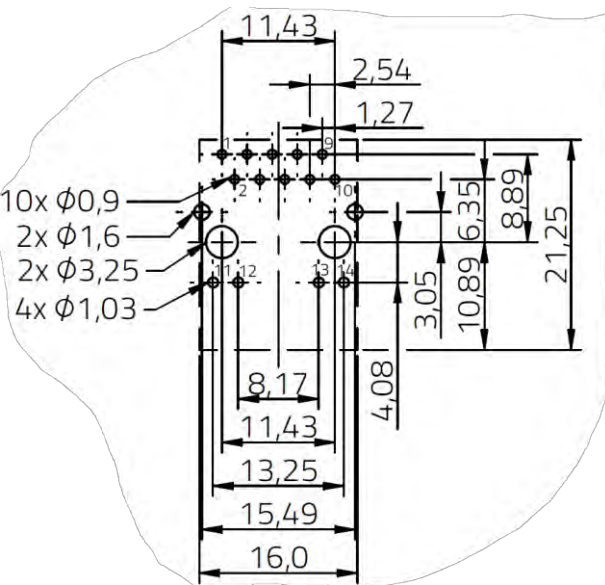
	
	
Return Loss: 1-30 MHz 40 MHz 50 MHz 60-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

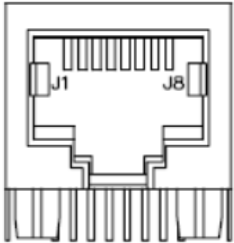
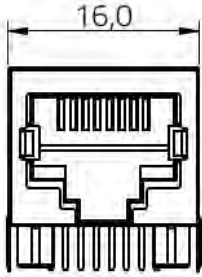
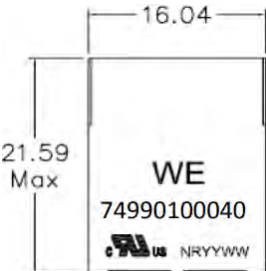
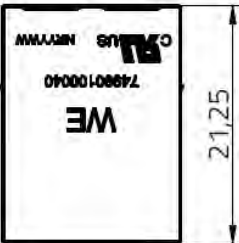
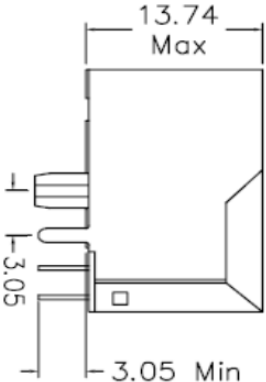
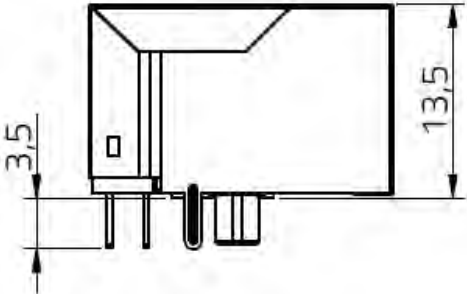
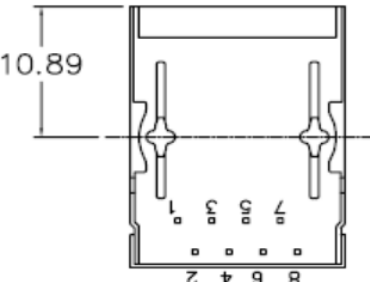
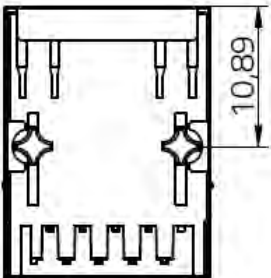
No panel cutout	
 RECOMMENDED P.C.PATTERN.COMPONENT SIDE	

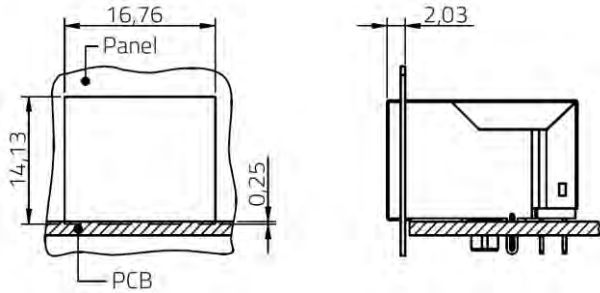
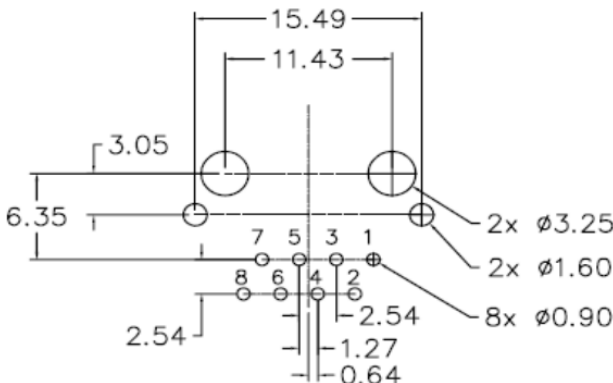
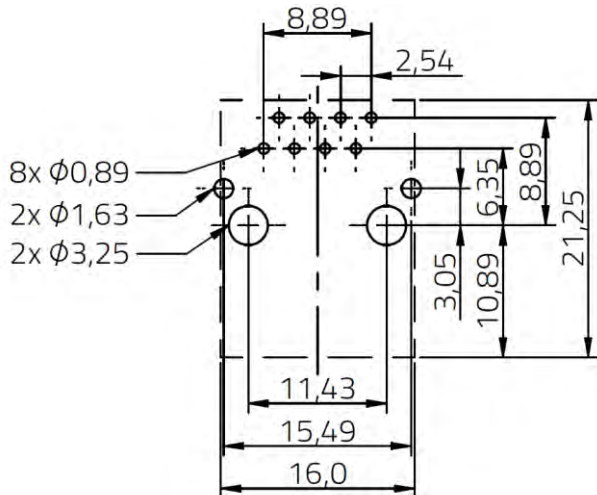
74992111211:

BEFORE CORRECTION	AFTER CORRECTION
No front view	

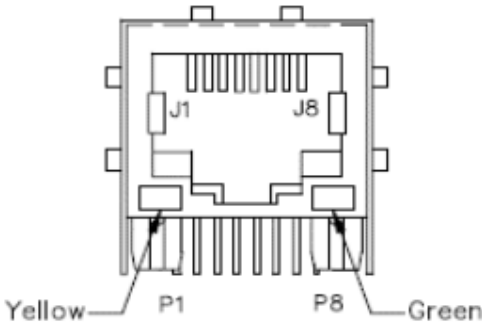
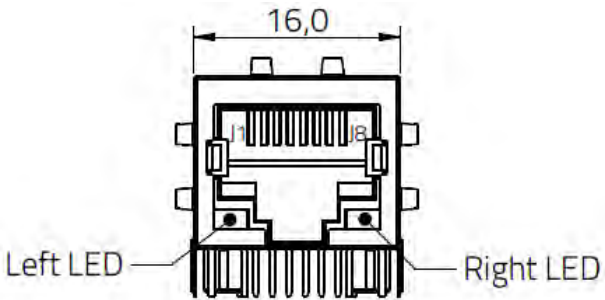
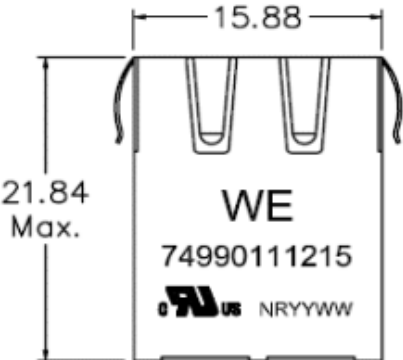
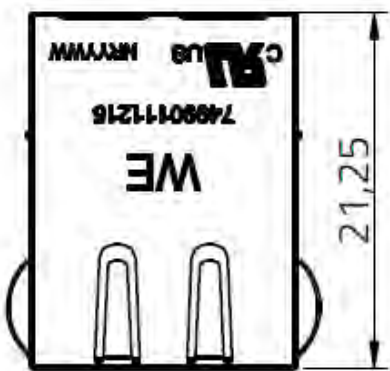
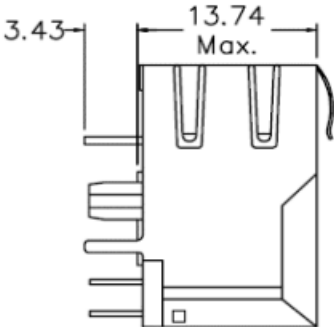
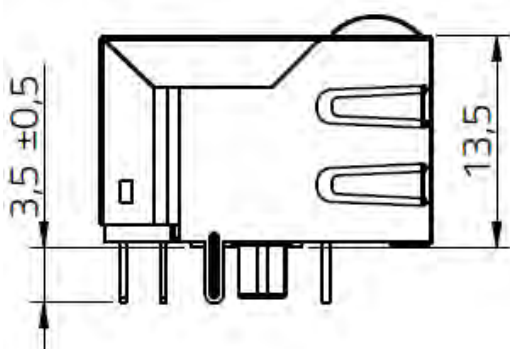
	
	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz

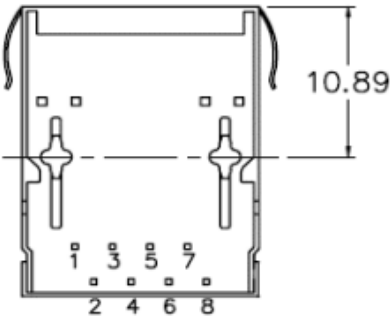
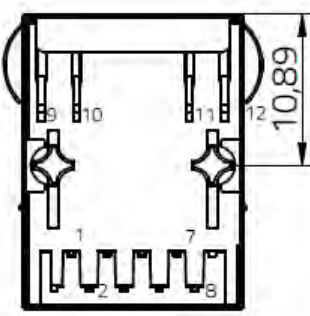
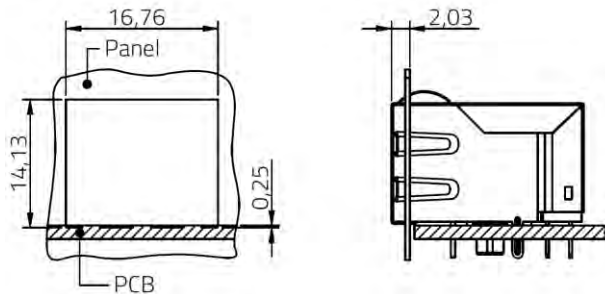
	30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
	

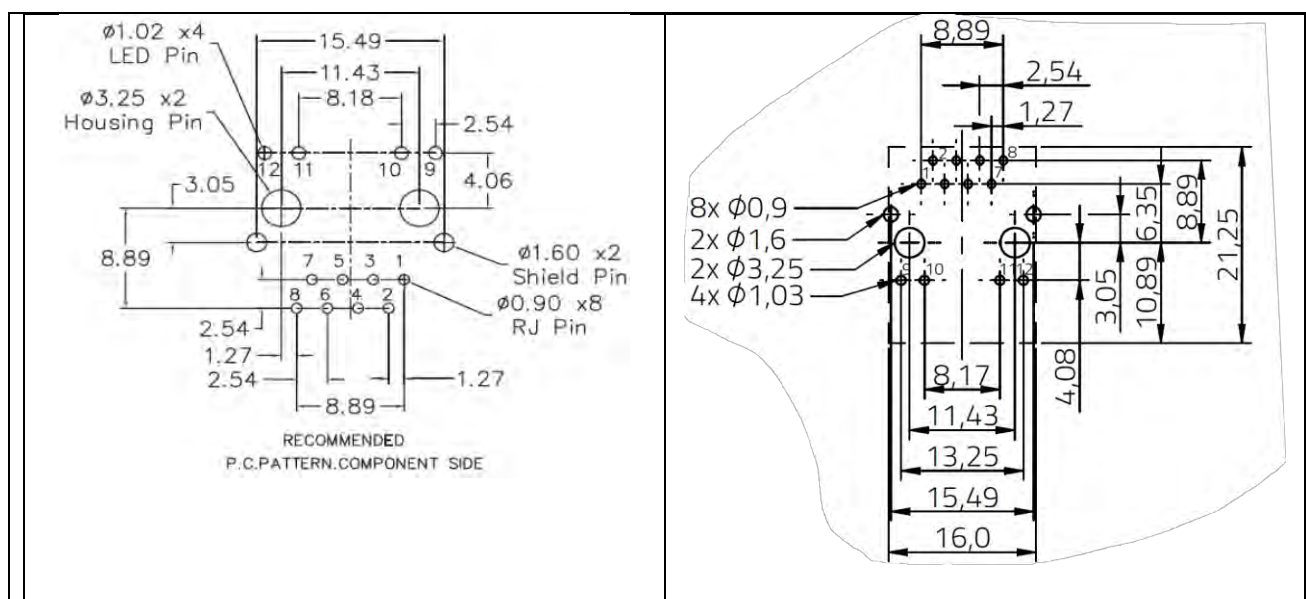
74990100040: BEFORE CORRECTION	AFTER CORRECTION
	
	
	
	

Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
 RECOMMENDED P.C.PATTERN.COMPONENT SIDE	

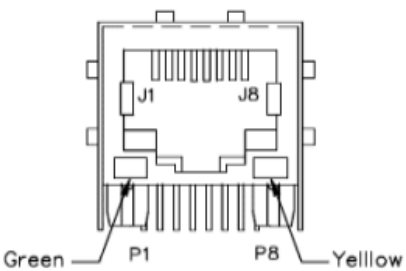
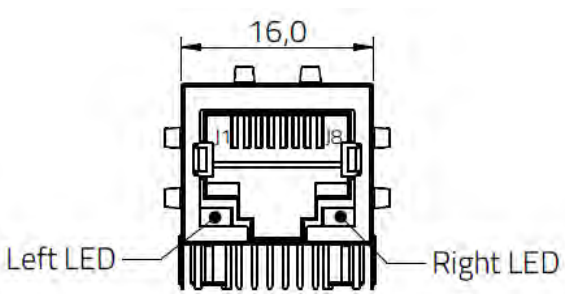
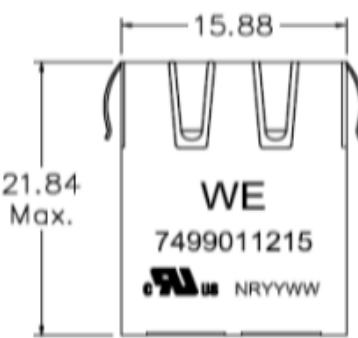
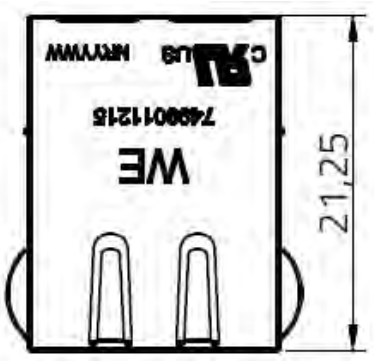
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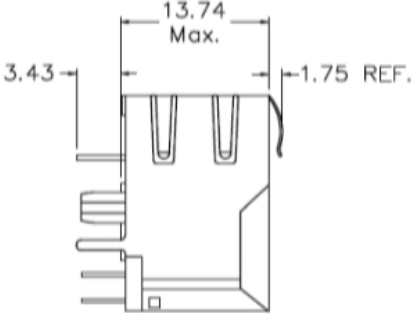
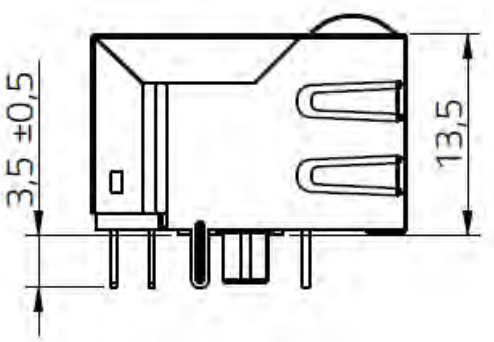
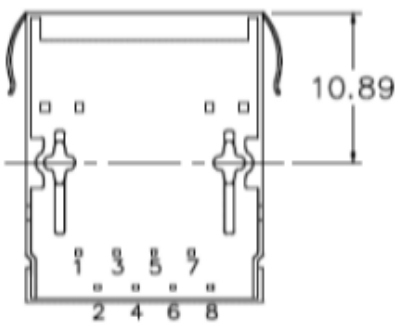
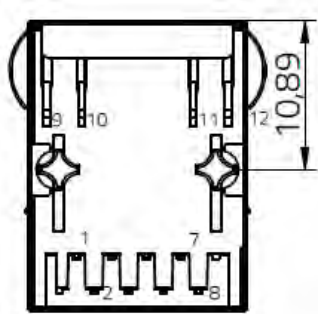
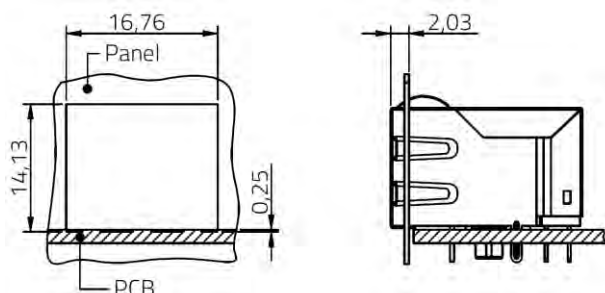
BEFORE CORRECTION	AFTER CORRECTION
	
	
	

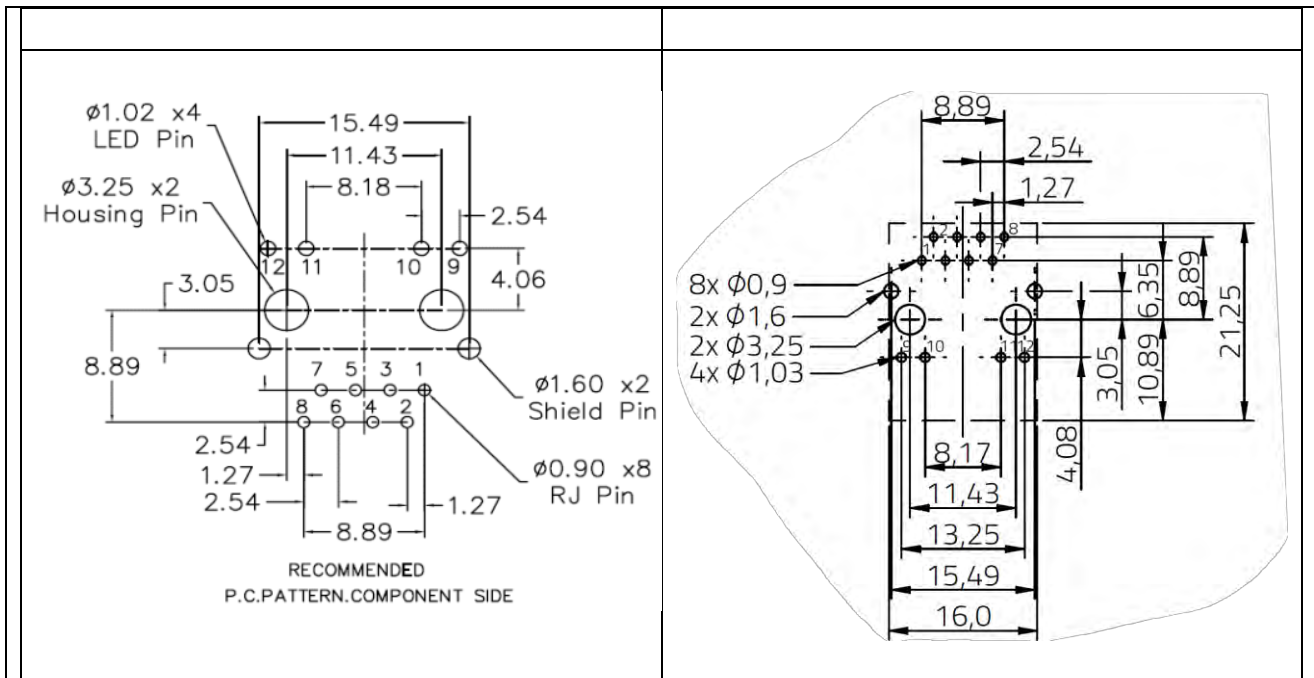
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz 100-500MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	



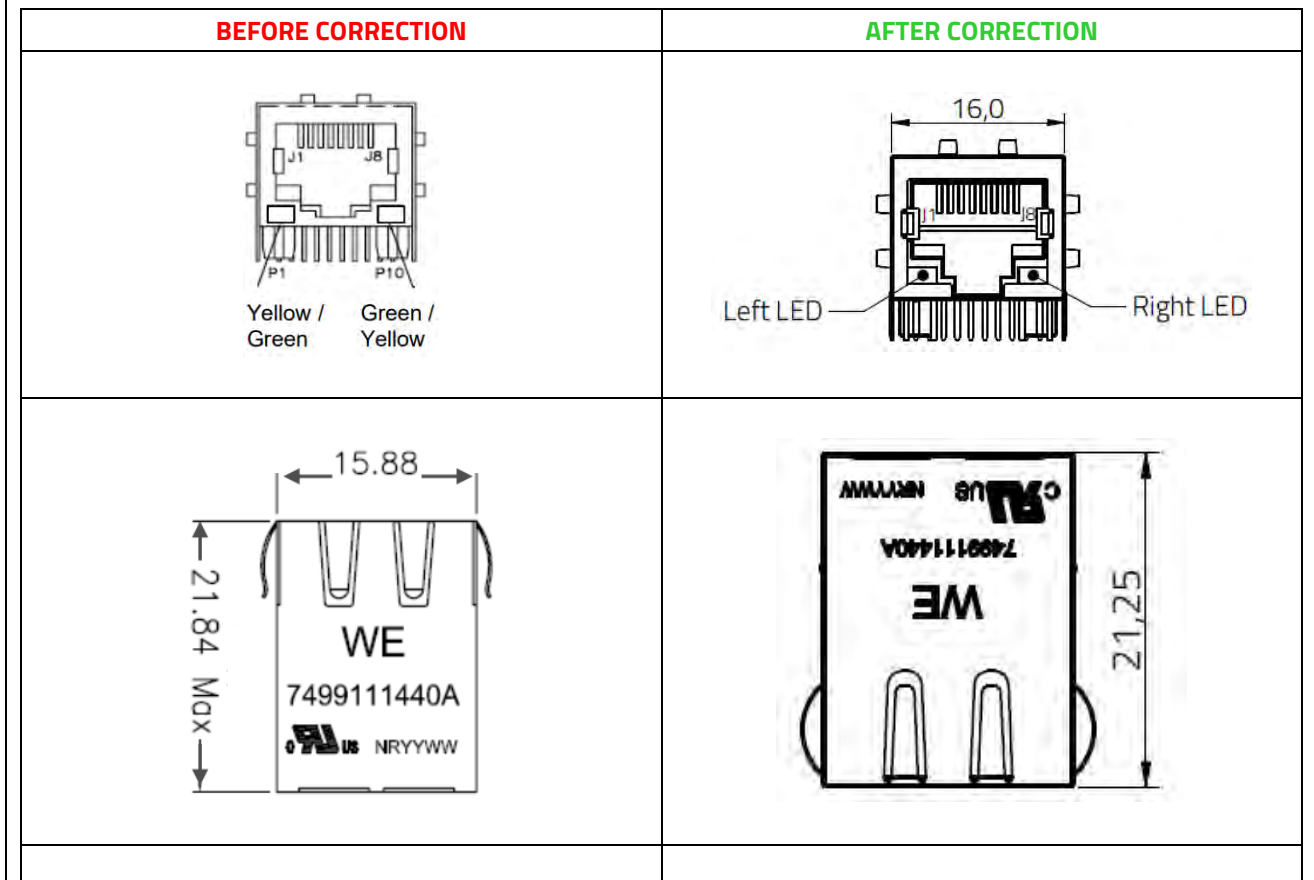
7499011215

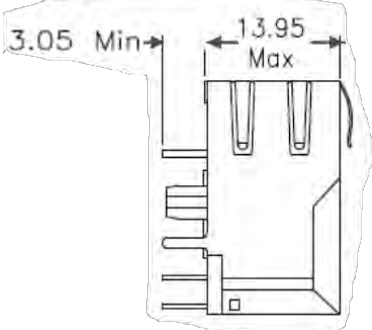
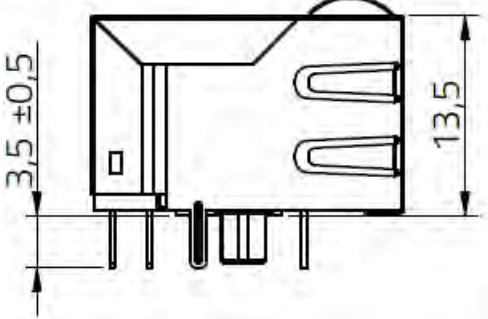
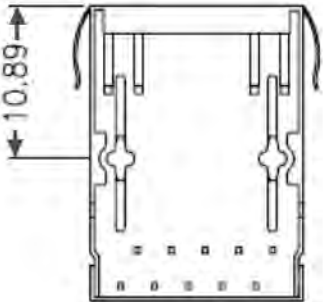
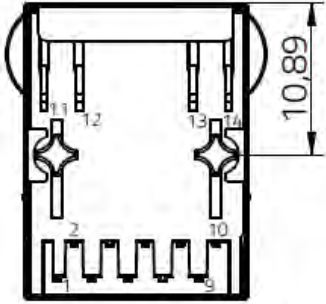
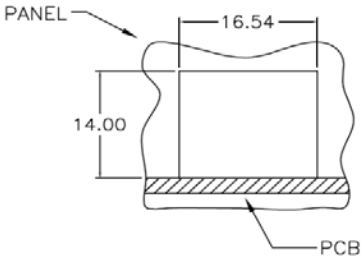
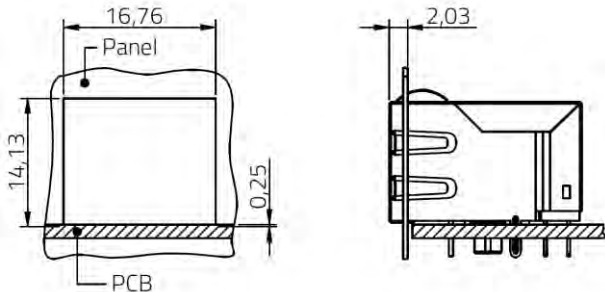
BEFORE CORRECTION	AFTER CORRECTION
	
	

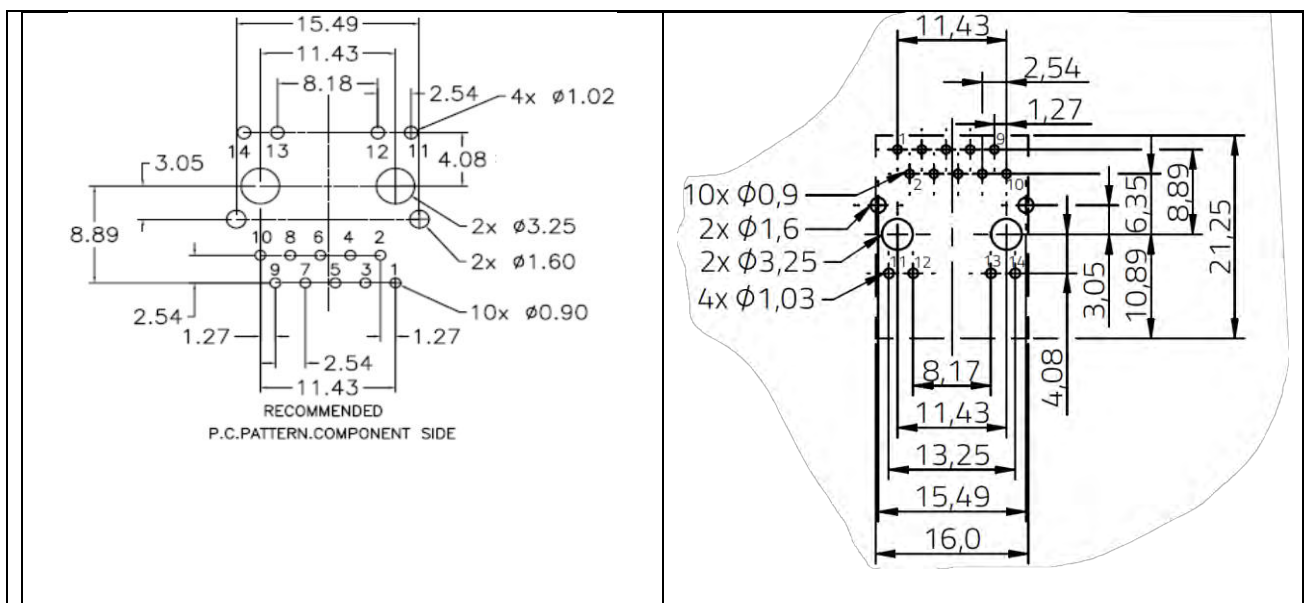
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	



7499111440A

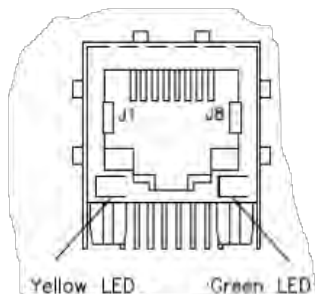


	
	
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
	

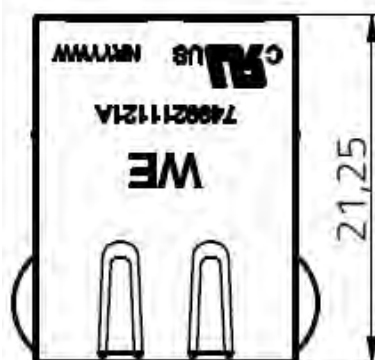
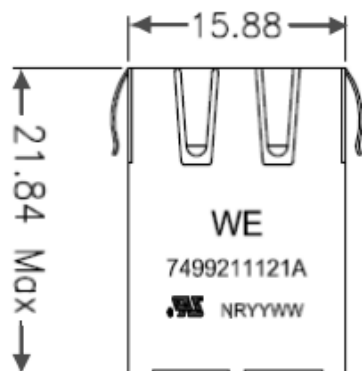
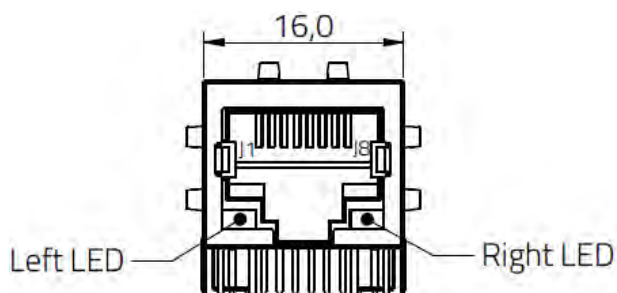


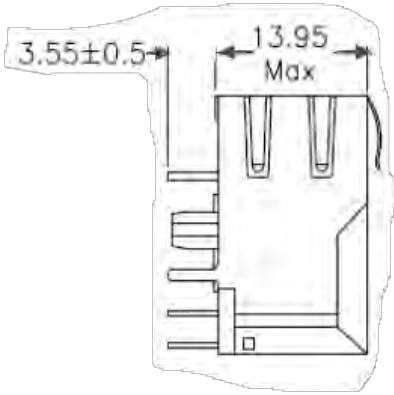
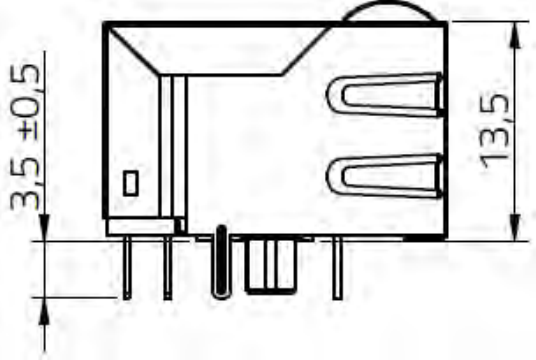
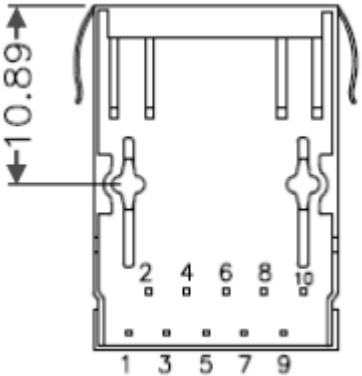
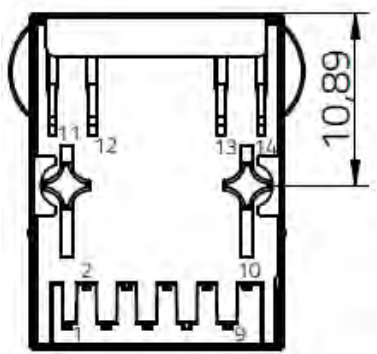
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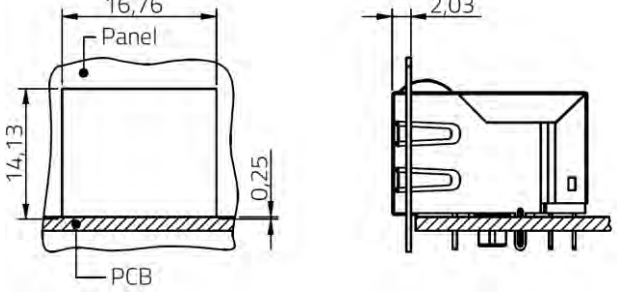
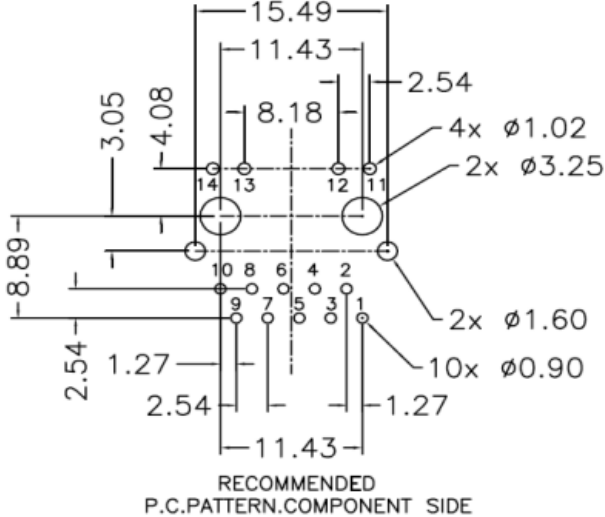
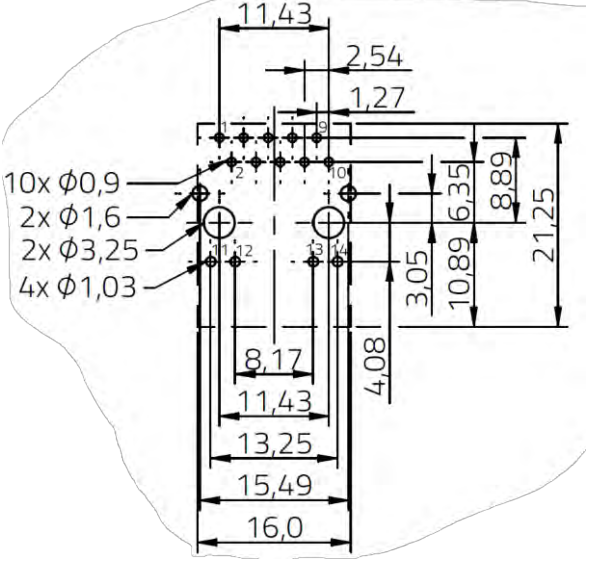
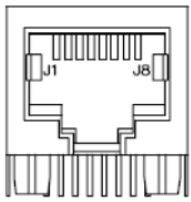
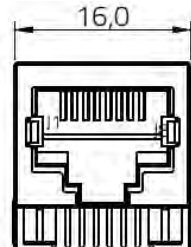
BEFORE CORRECTION

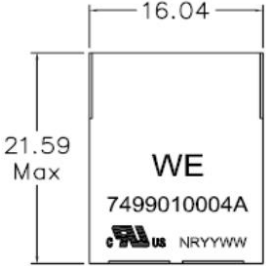
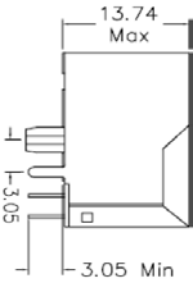
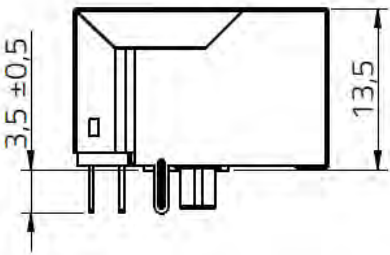
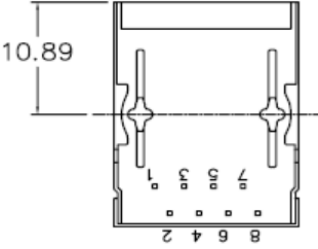
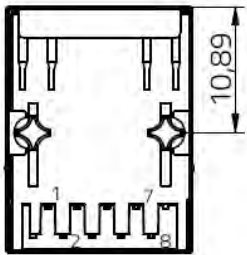


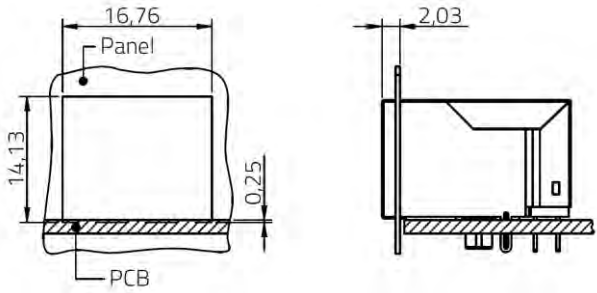
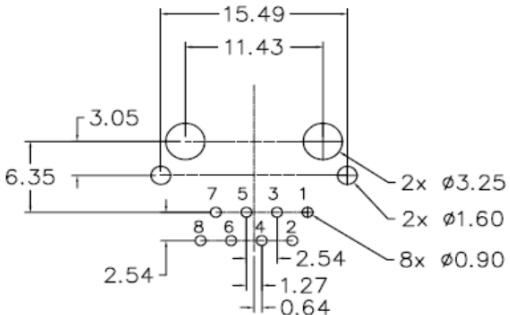
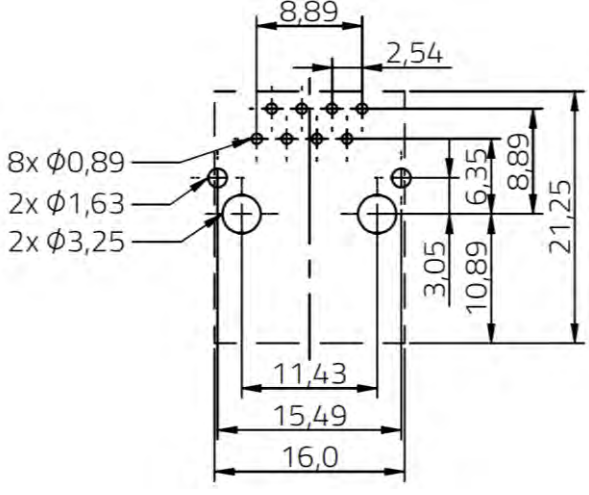
AFTER CORRECTION



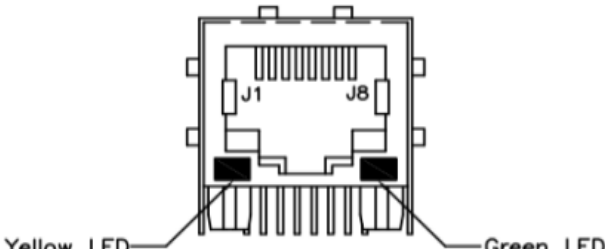
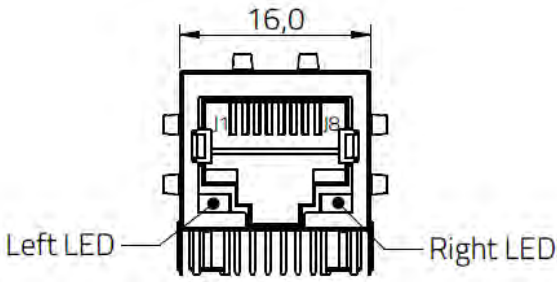
	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

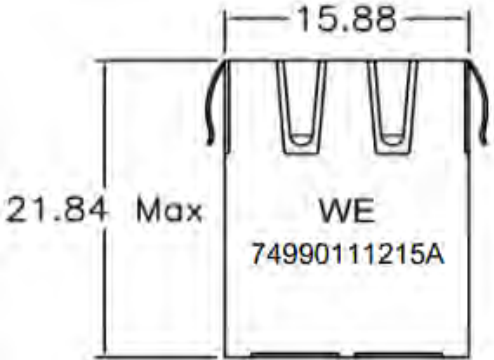
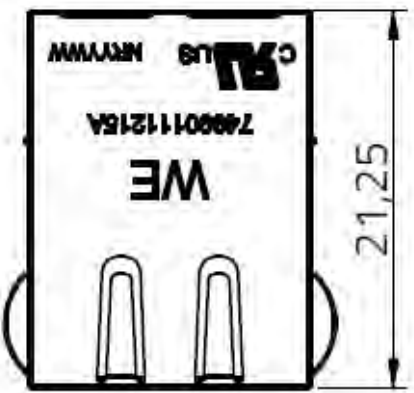
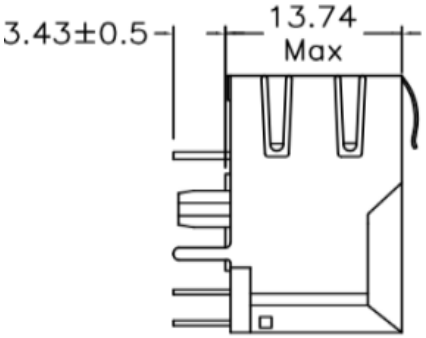
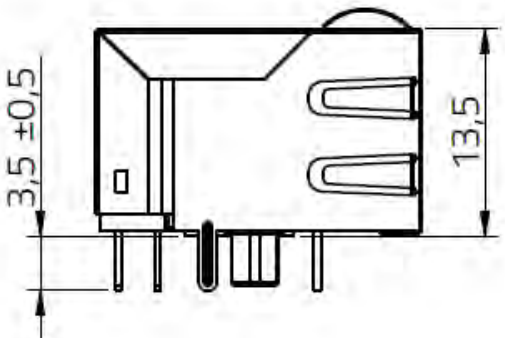
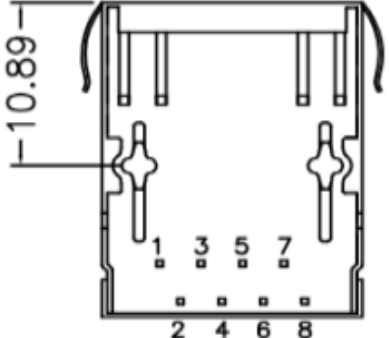
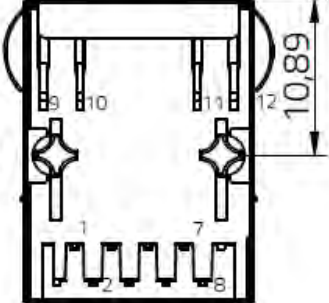
No panel cutout	
	
7499010004A:	
BEFORE CORRECTION 	AFTER CORRECTION 

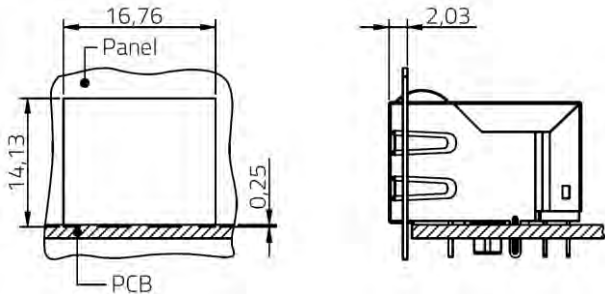
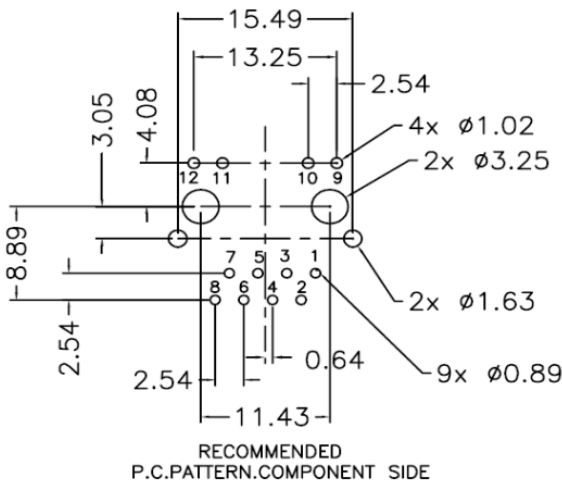
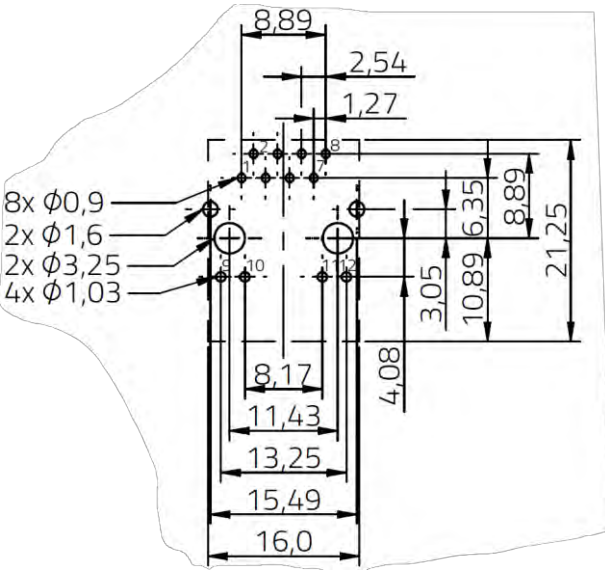
	
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

No panel cutout	
	

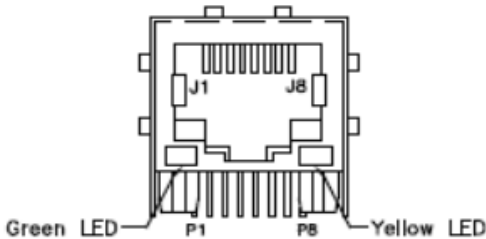
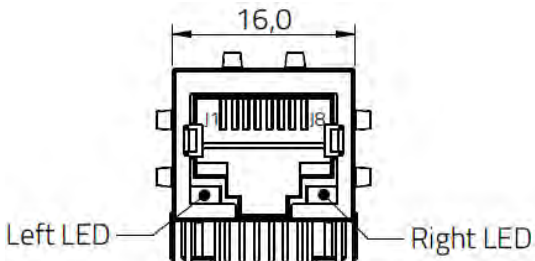
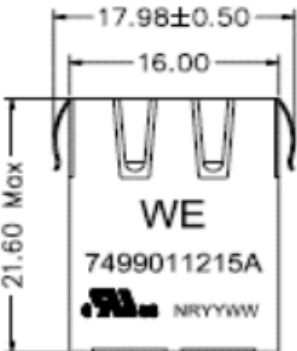
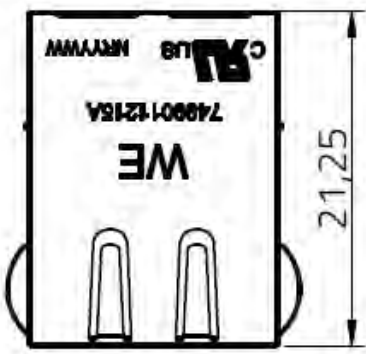
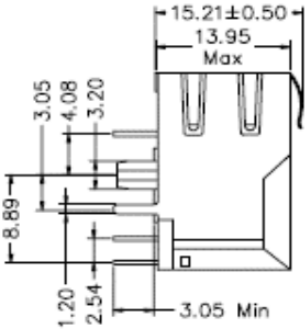
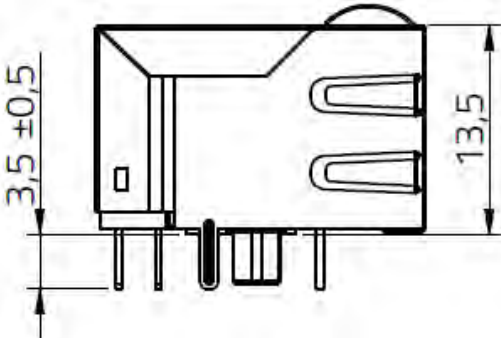
74990111215A

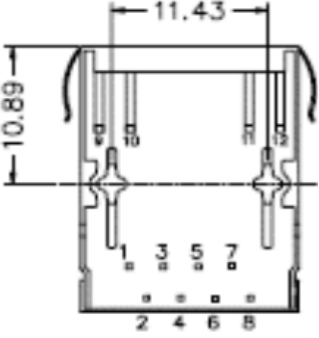
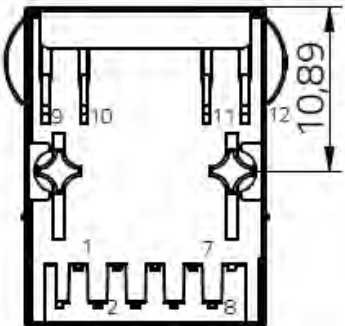
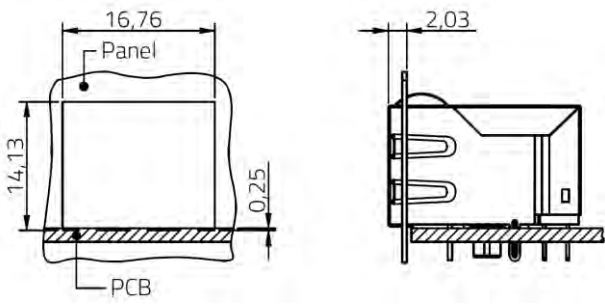
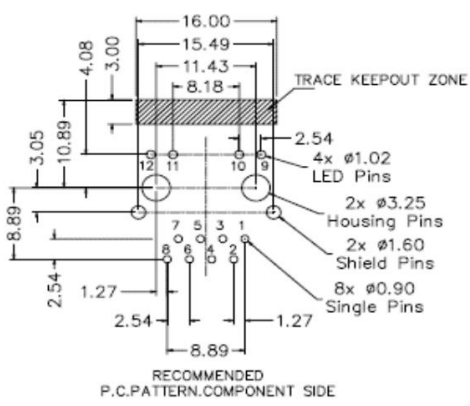
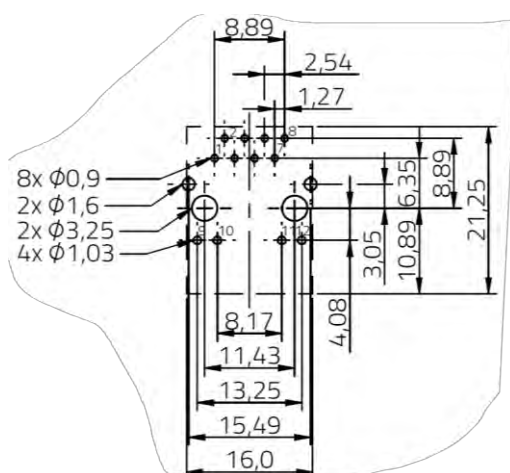
BEFORE CORRECTION	AFTER CORRECTION
	

	
	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-500 MHz	Common Mode Rejection: 1-30 MHz

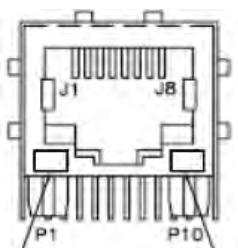
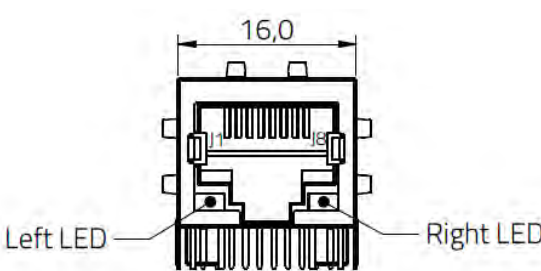
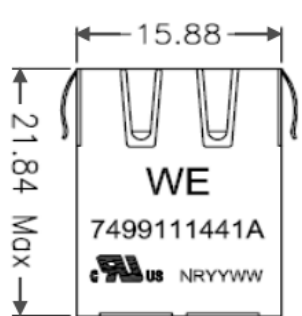
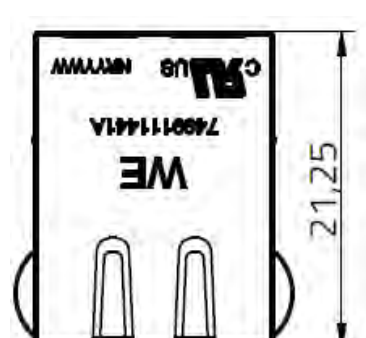
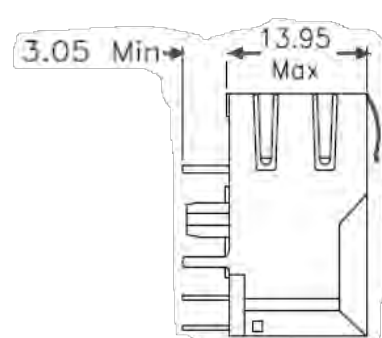
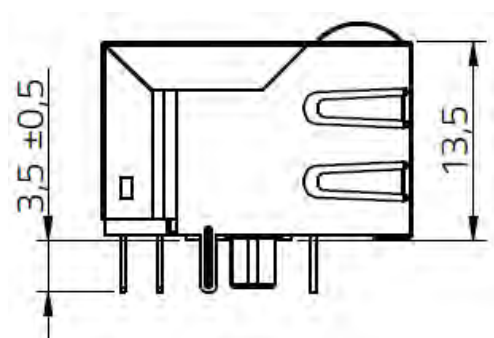
	30-60 MHz 60-100 MHz
Crosstalk: 1-30 MHz 30-60 MHz 60-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
 RECOMMENDED P.C.PATTERN.COMPONENT SIDE	

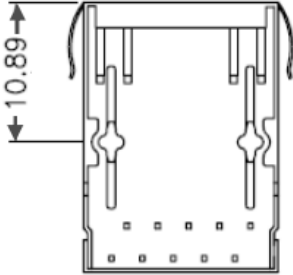
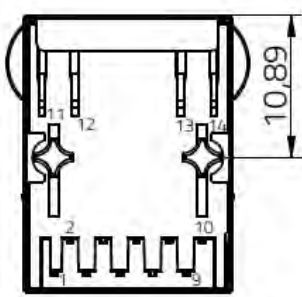
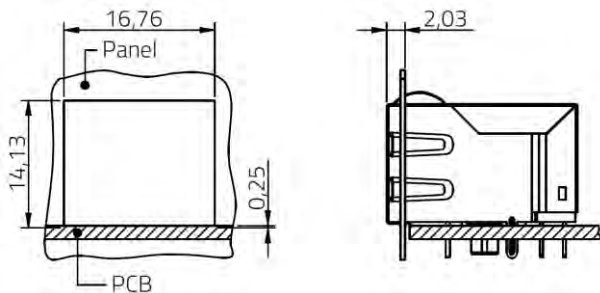
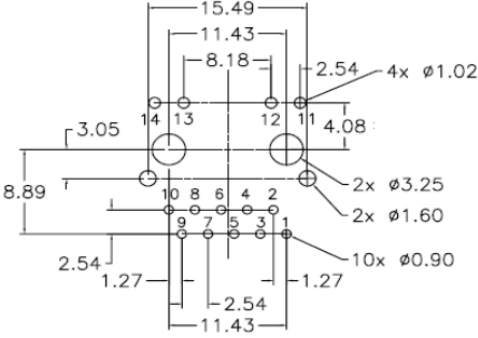
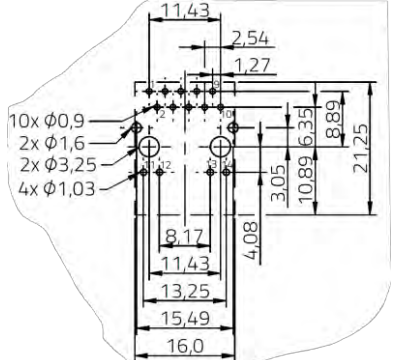
7499011215A:

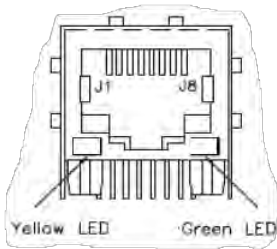
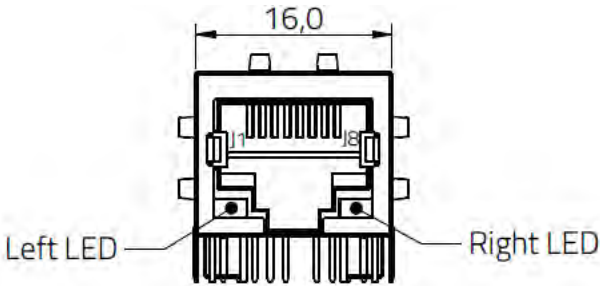
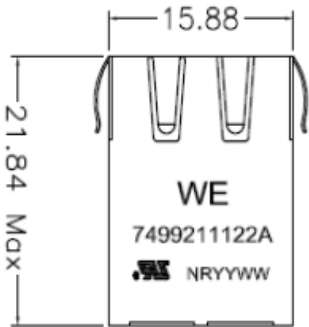
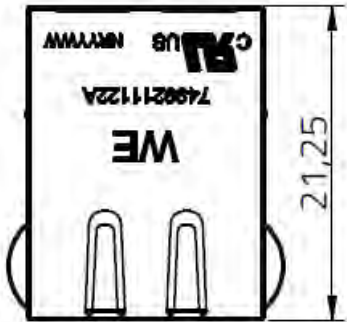
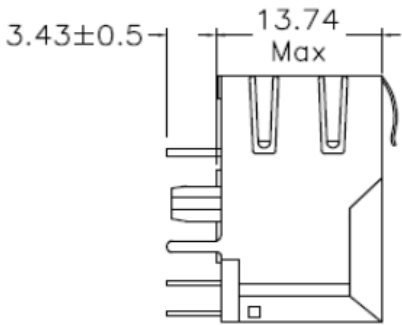
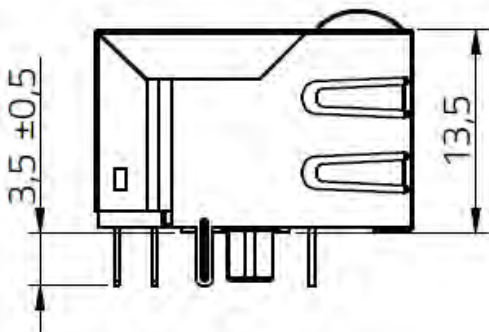
BEFORE CORRECTION	AFTER CORRECTION
	
	
	

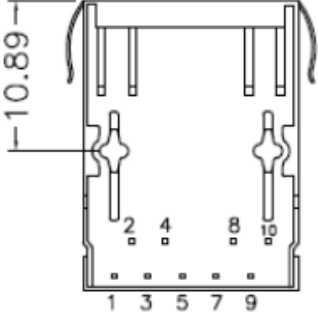
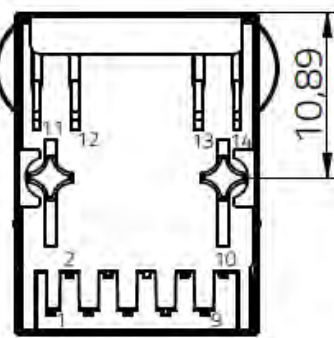
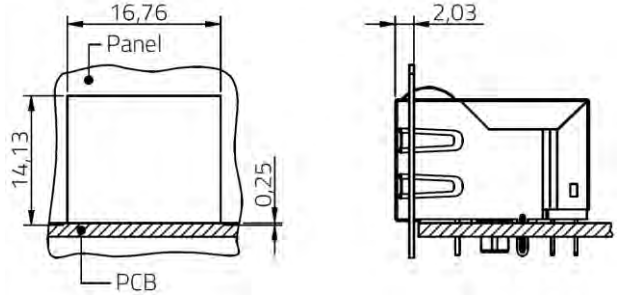
	
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
	

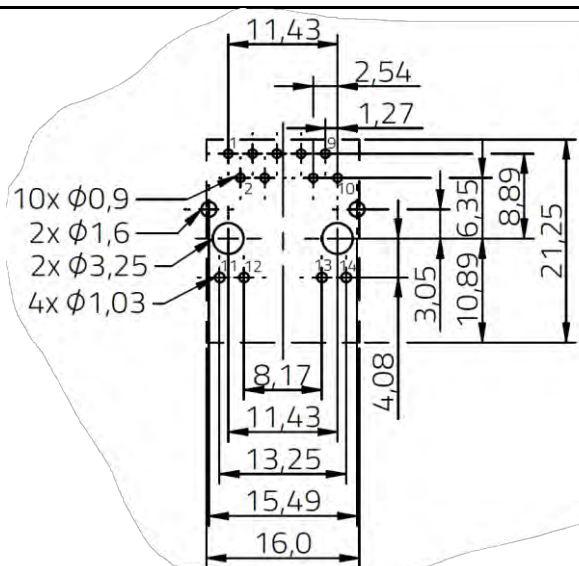
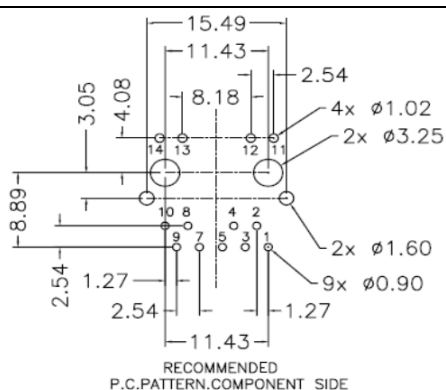
7499111441A:

BEFORE CORRECTION	AFTER CORRECTION
 Yellow / Green Green / Yellow	 16,0 Left LED Right LED
 15.88 21.84 Max WE 7499111441A	 21,25 WE 7499111441A
 3.05 Min 13.95 Max	 3,5 ±0,5 13,5

	
Return Loss: 1-40 MHz 40-60 MHz 60-80 MHz 80-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
	

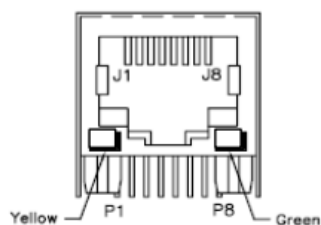
7499211122A:	
BEFORE CORRECTION	AFTER CORRECTION
	
	
	

	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

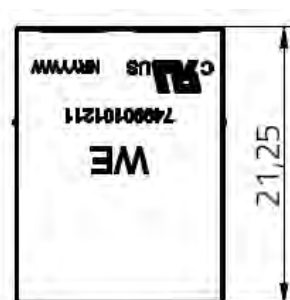
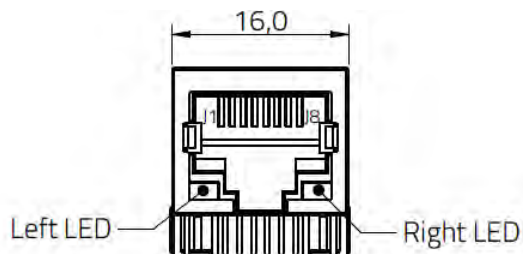


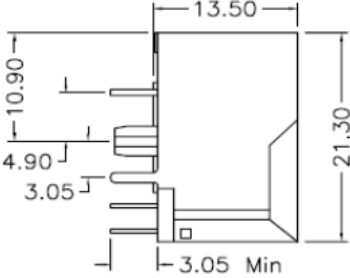
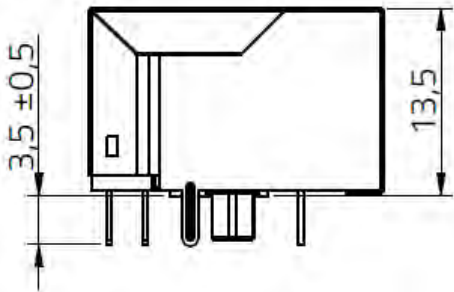
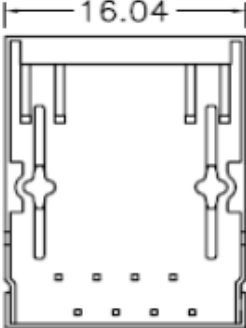
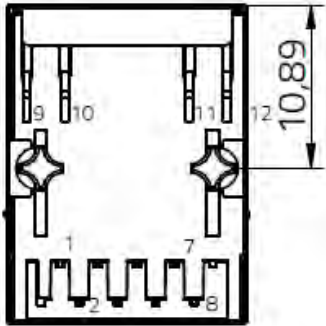
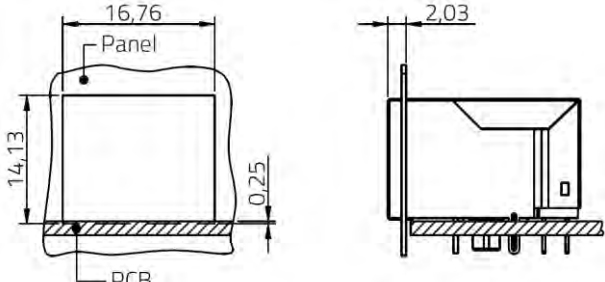
74990101211:

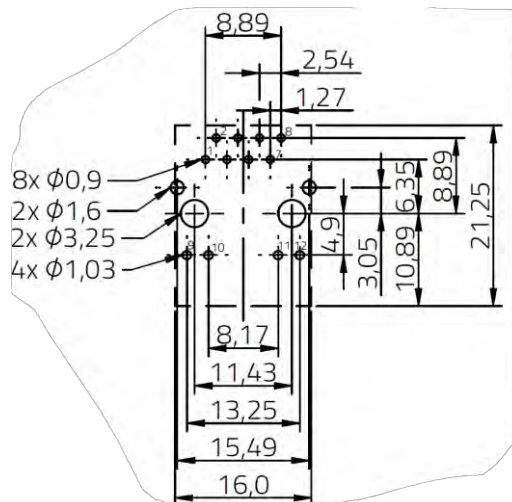
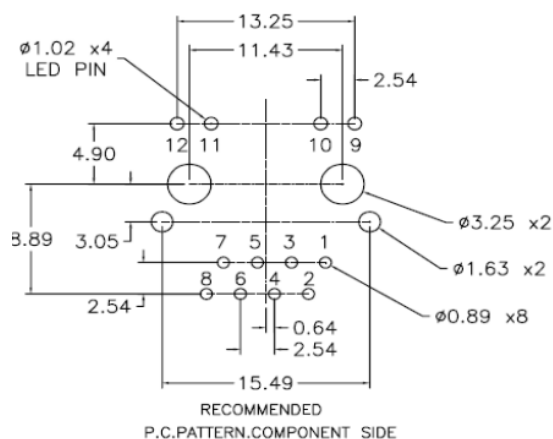
BEFORE CORRECTION



AFTER CORRECTION

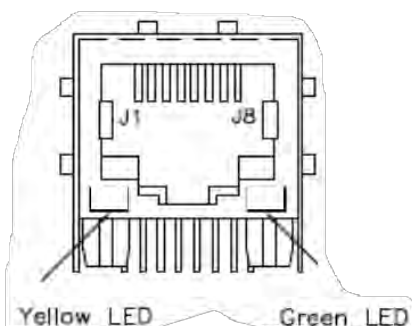


	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

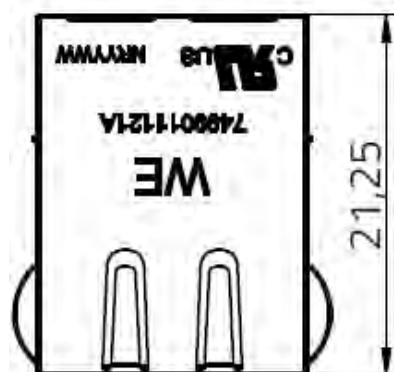
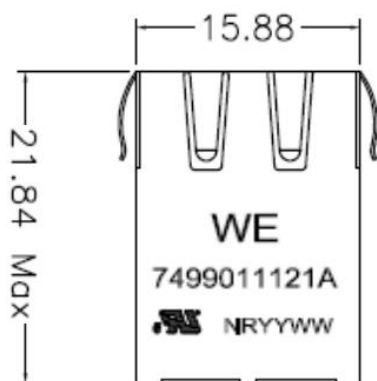
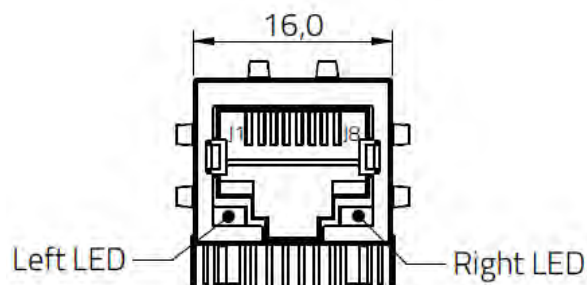


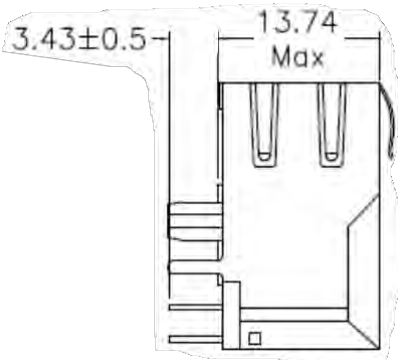
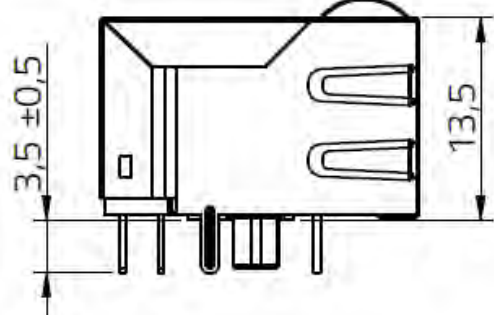
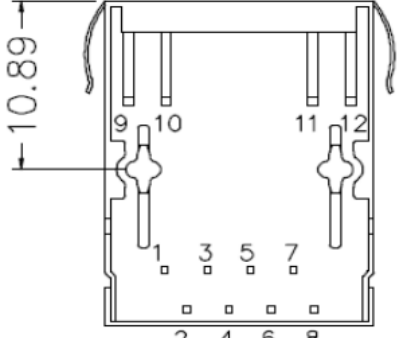
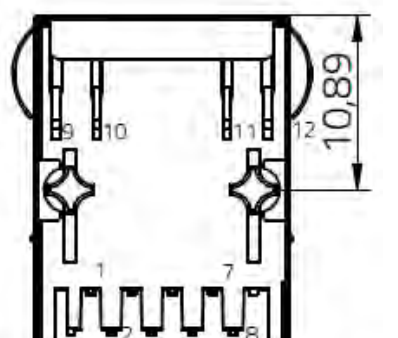
7499011121A:

BEFORE CORRECTION

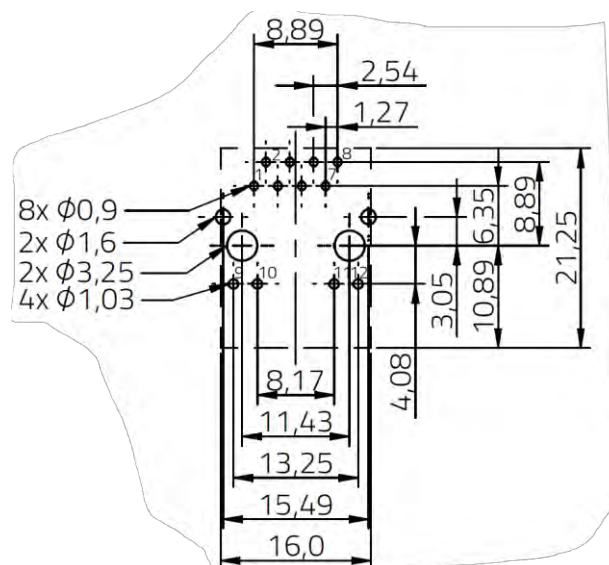
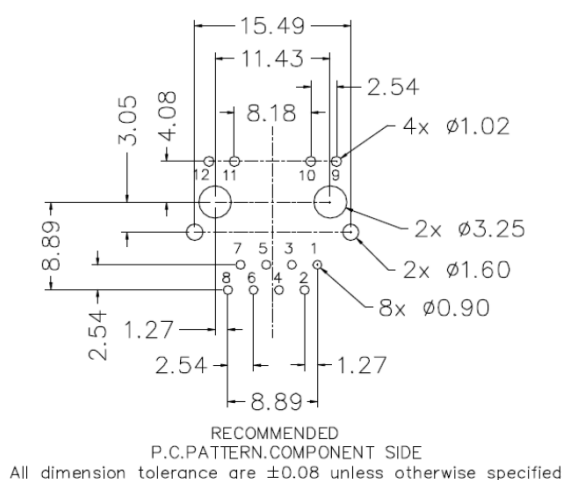
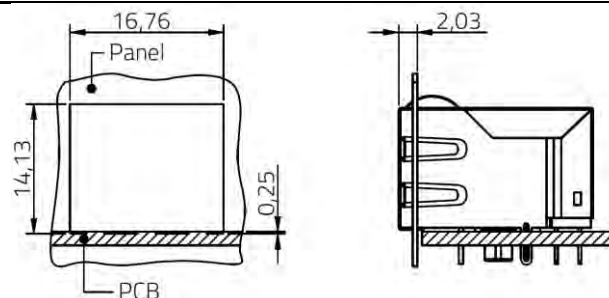


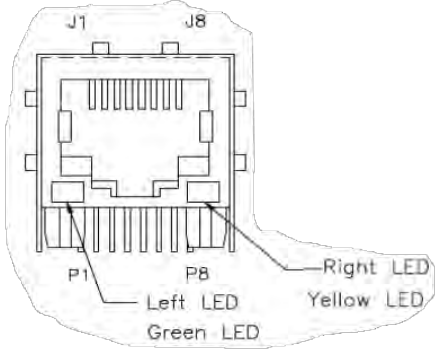
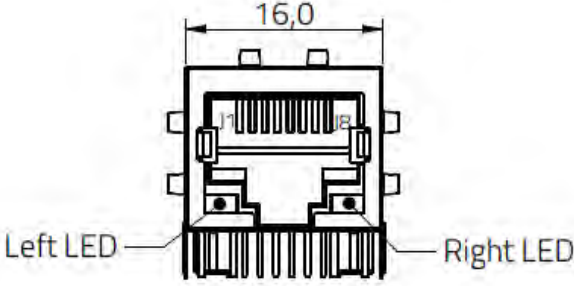
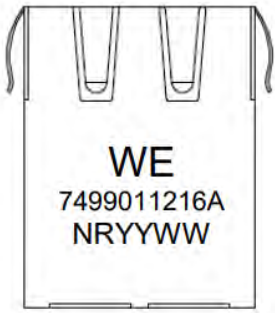
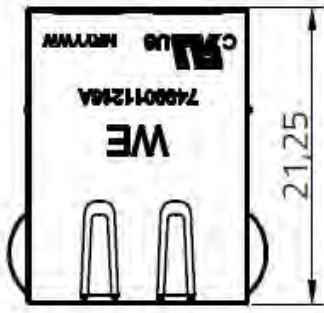
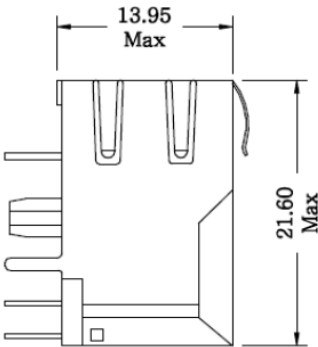
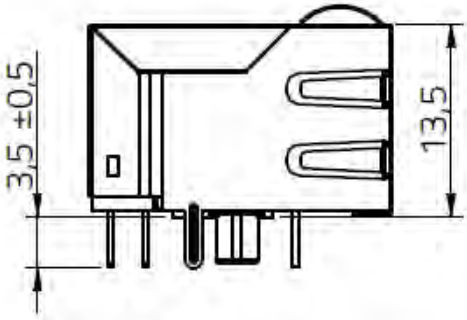
AFTER CORRECTION

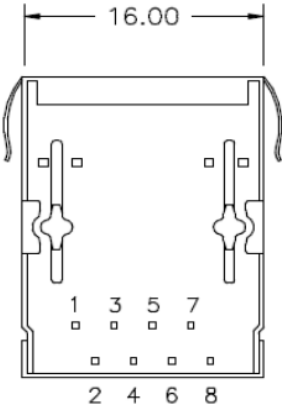
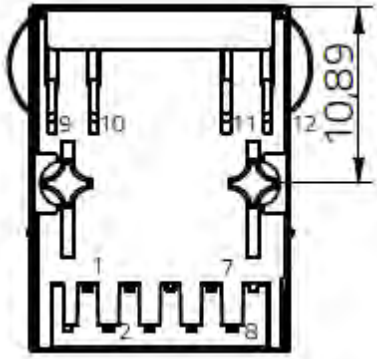
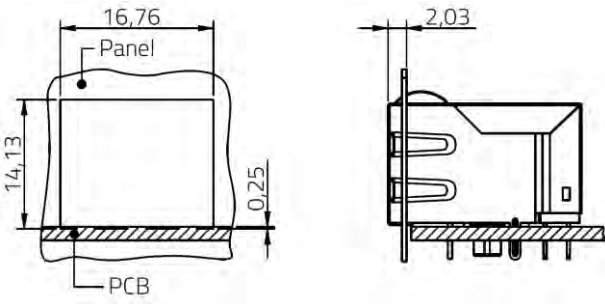


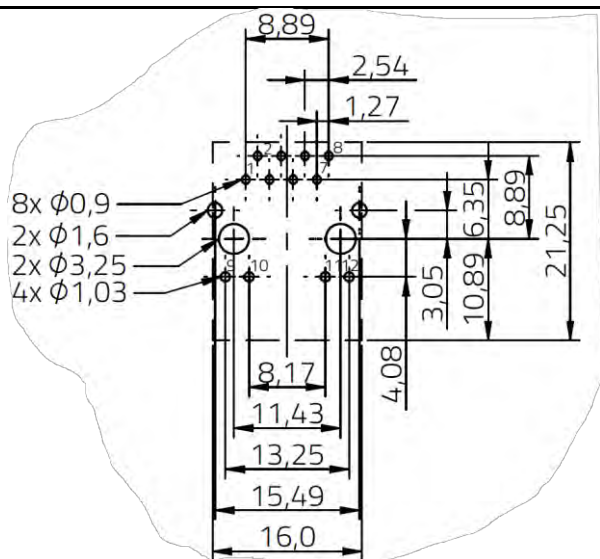
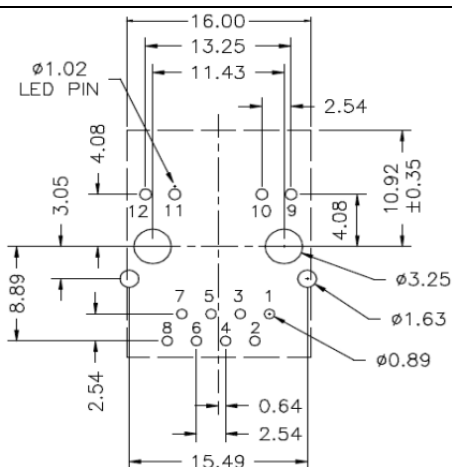
	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

No panel cutout



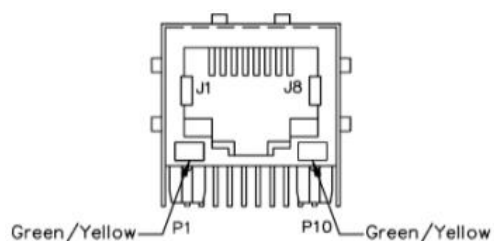
7499011216A	
BEFORE CORRECTION	AFTER CORRECTION
	
	
	

	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-50 MHz 50-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-30 MHz 30-60 MHz 60-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

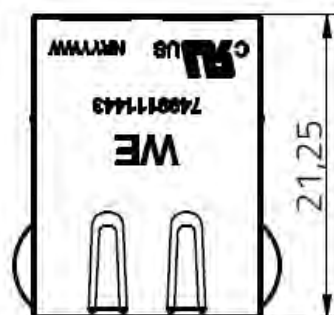
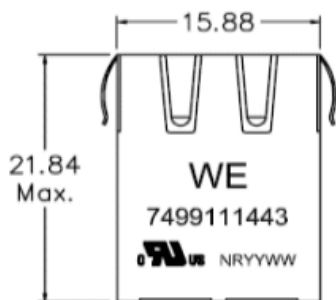
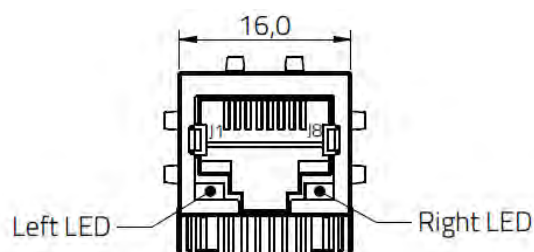


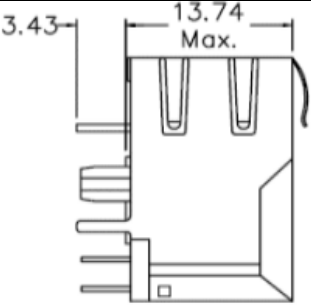
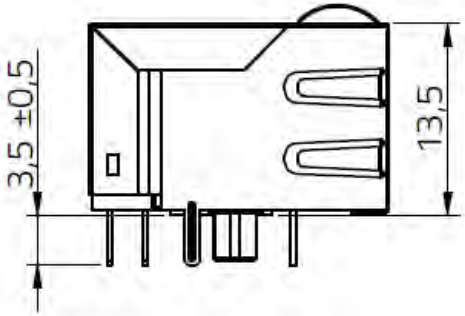
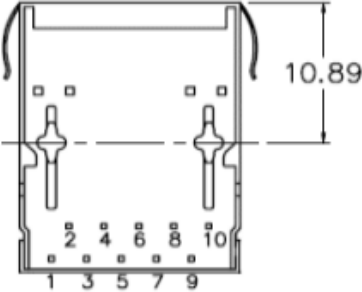
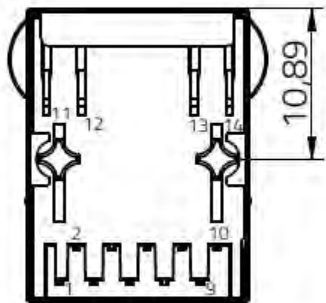
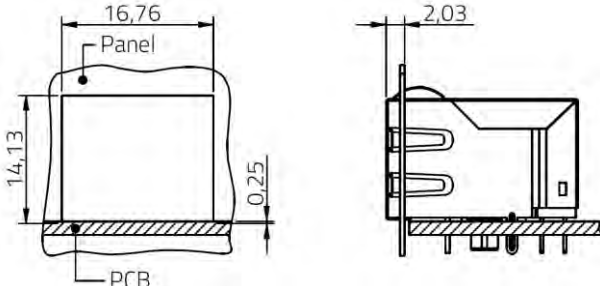
7499111443:

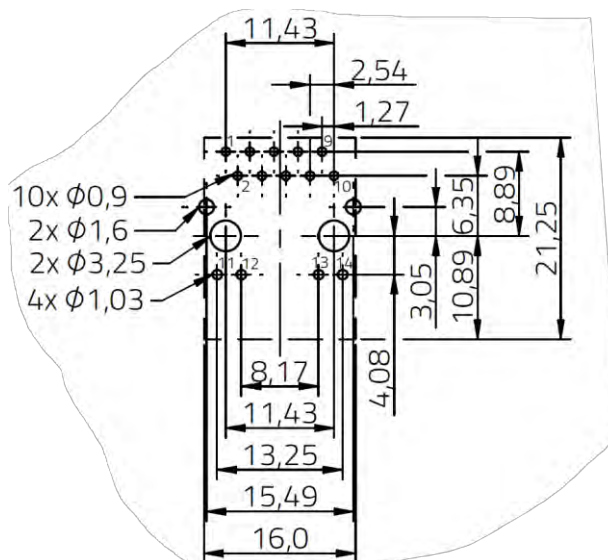
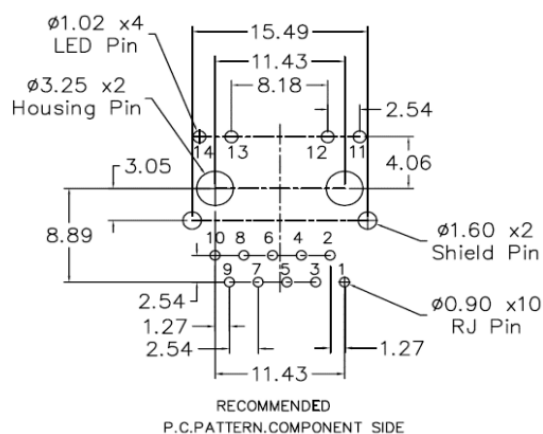
BEFORE CORRECTION



AFTER CORRECTION

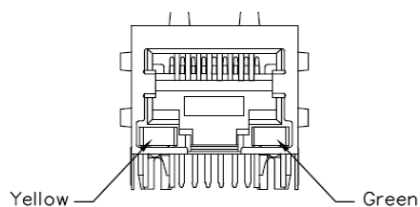


	
	
Return Loss: 1-40 MHz 40-60 MHz 60-80 MHz 80-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

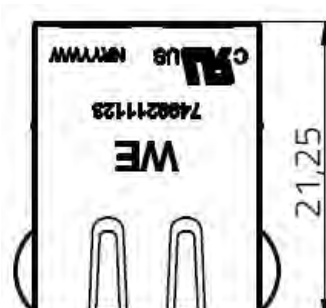
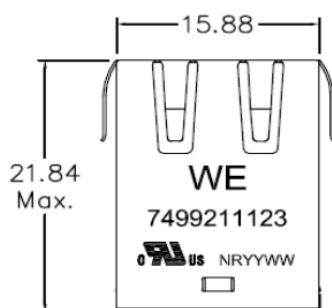
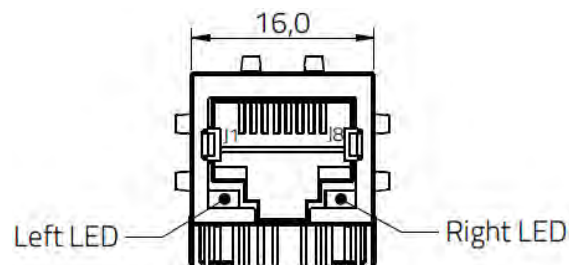


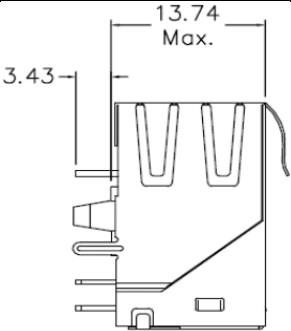
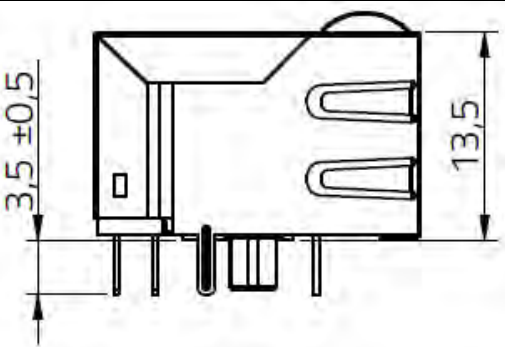
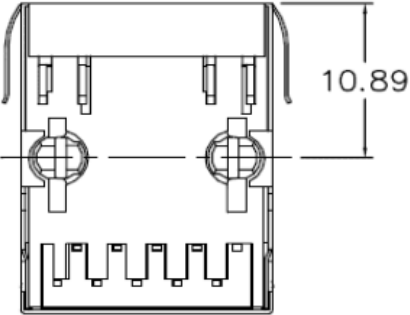
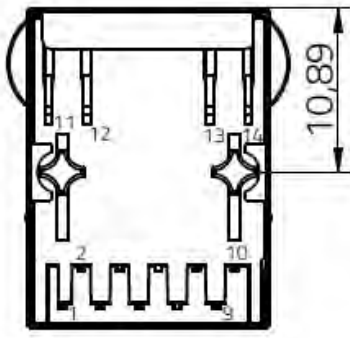
7499211123:

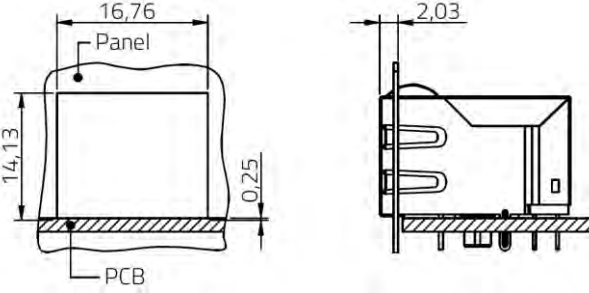
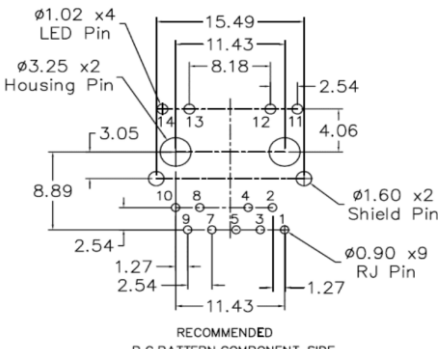
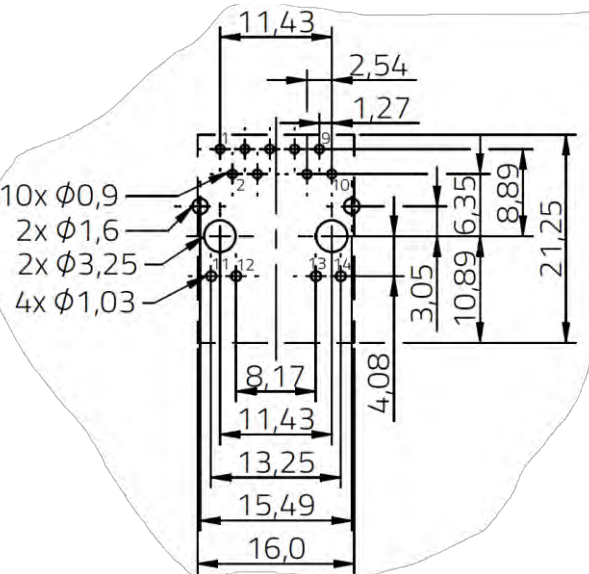
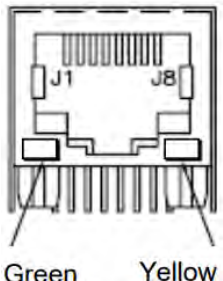
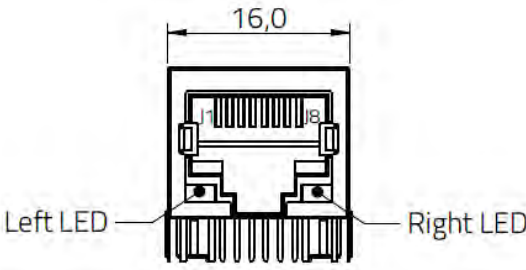
BEFORE CORRECTION

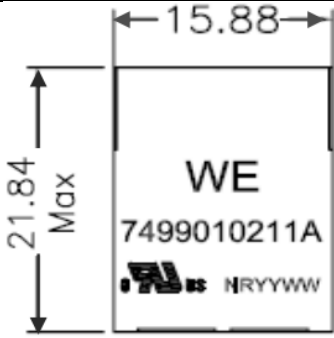
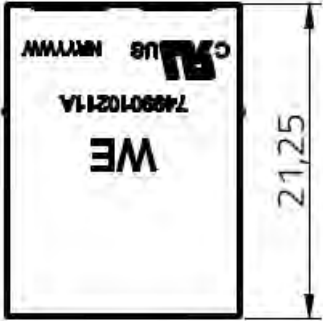
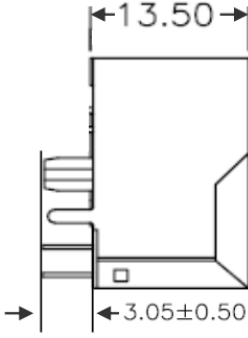
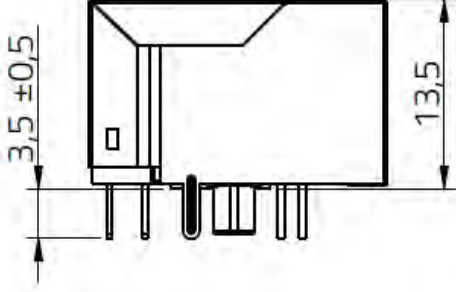
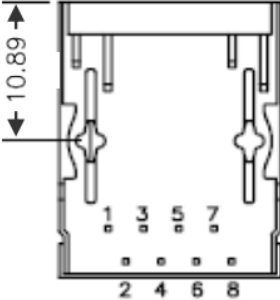
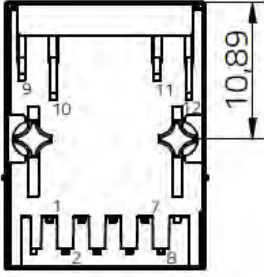


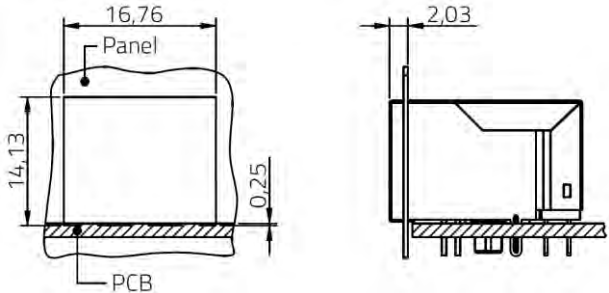
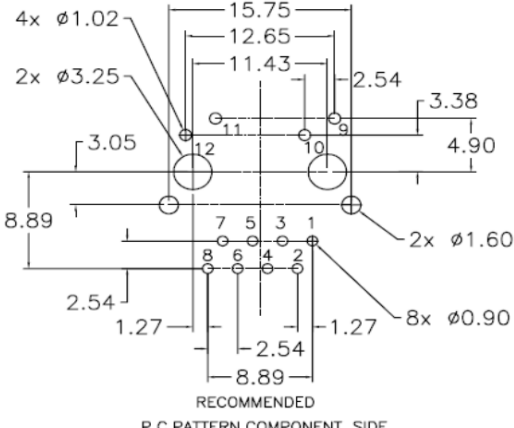
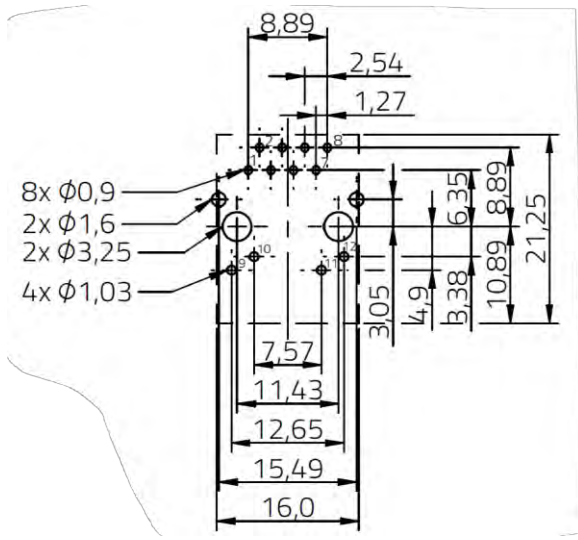
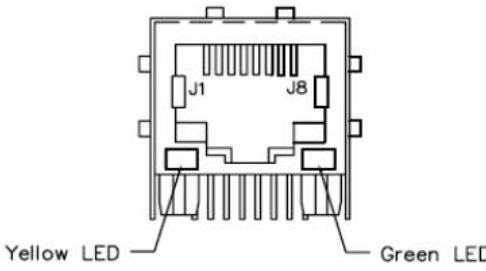
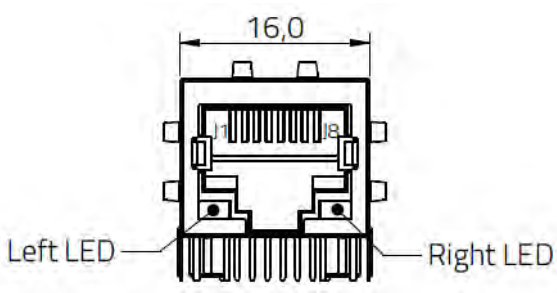
AFTER CORRECTION

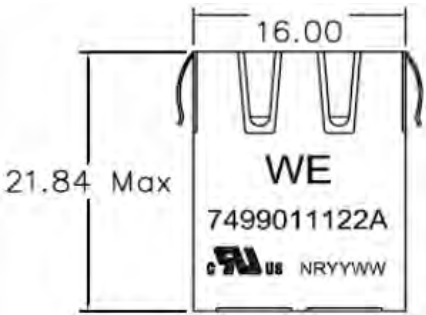
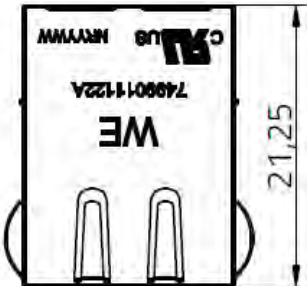
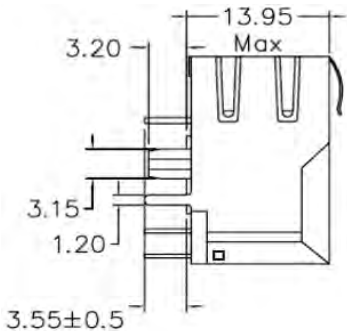
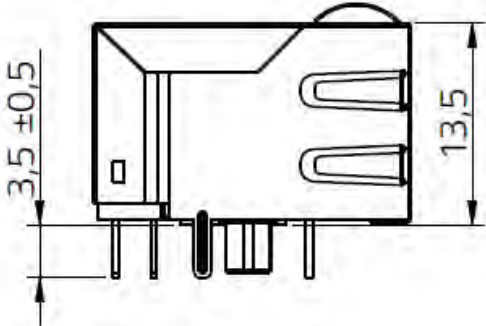
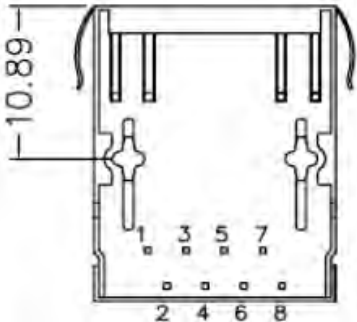
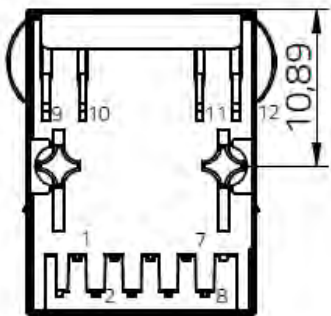


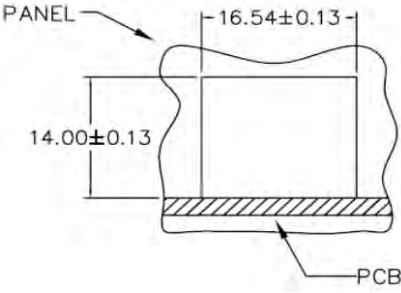
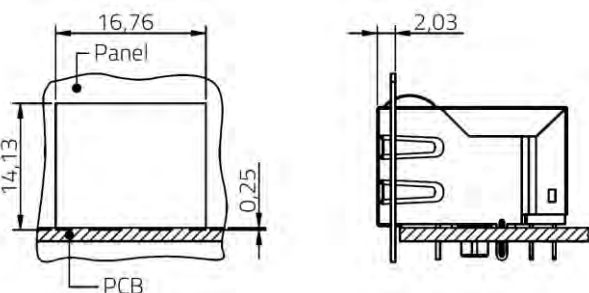
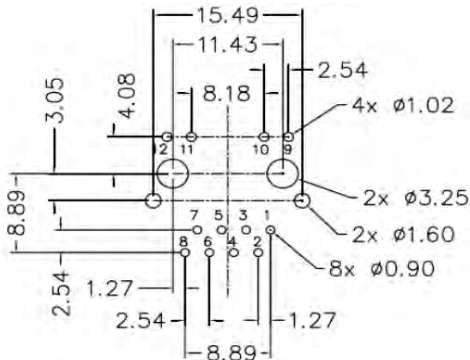
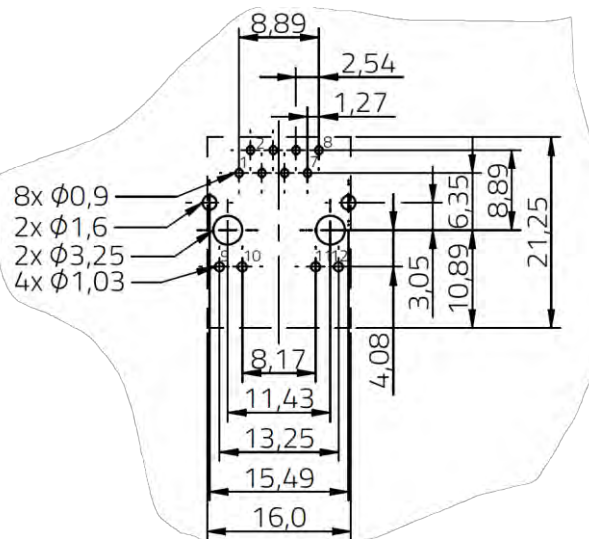
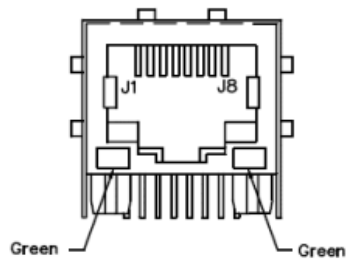
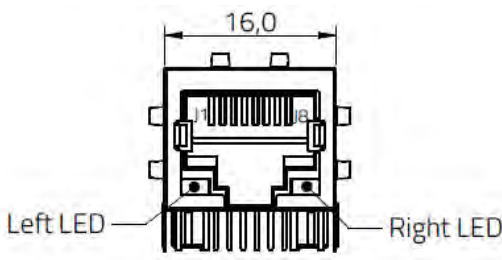
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz 100-500 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

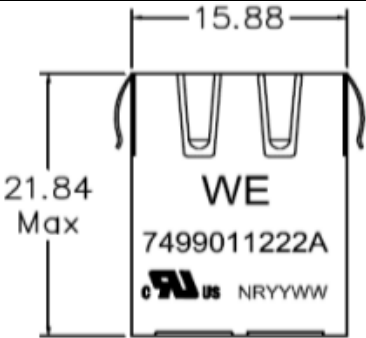
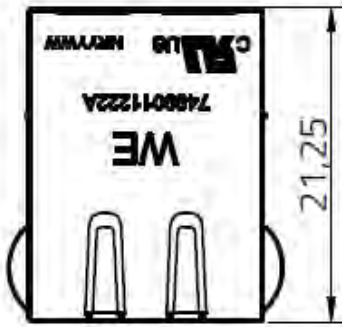
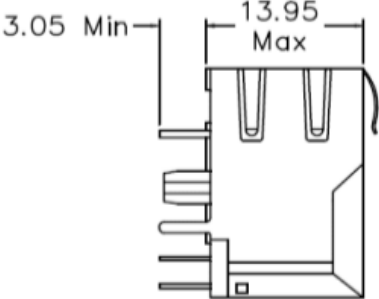
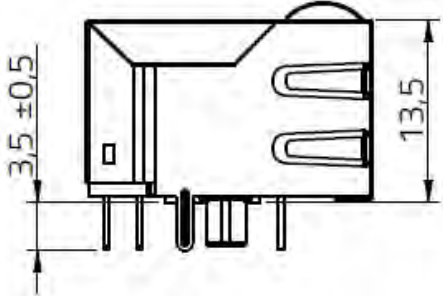
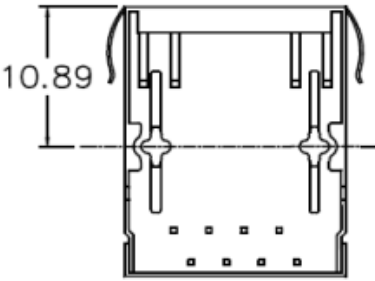
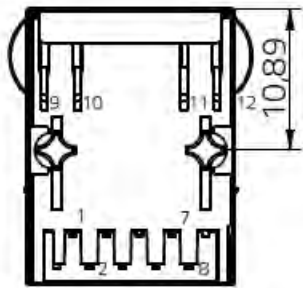
No panel cutout	
 RECOMMENDED P.C.PATTERN COMPONENT SIDE	
7499010211A:	
BEFORE CORRECTION 	AFTER CORRECTION 

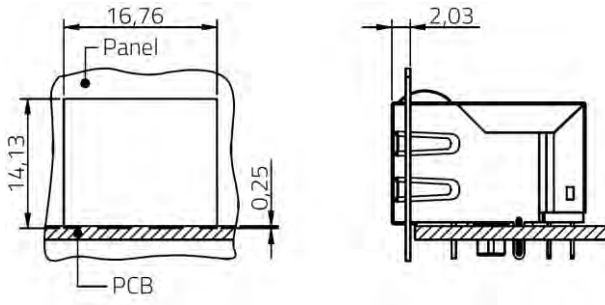
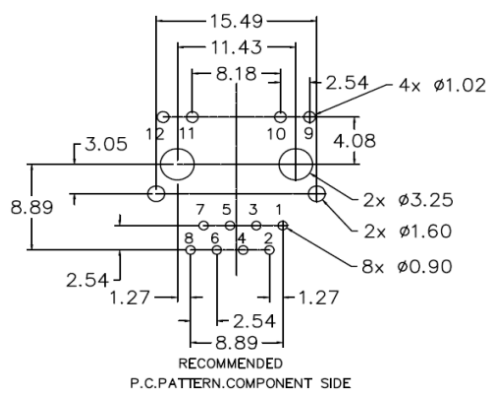
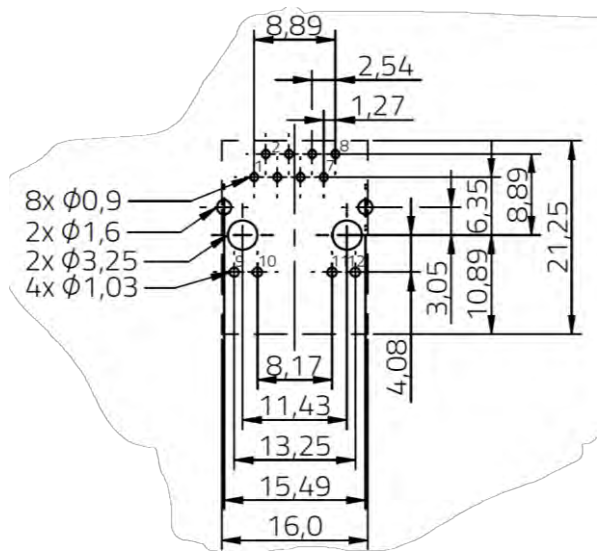
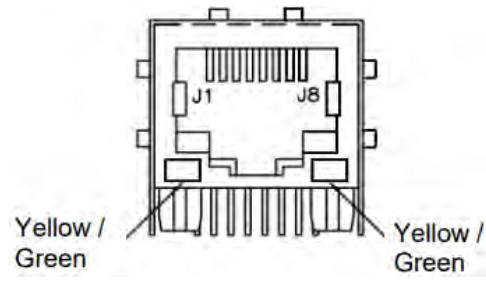
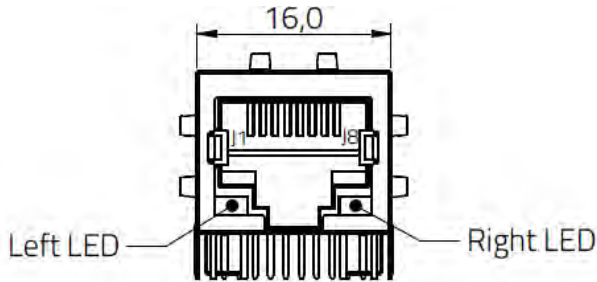
	
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz

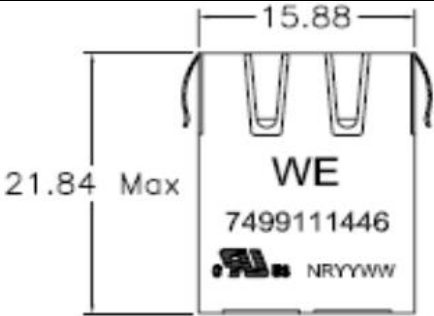
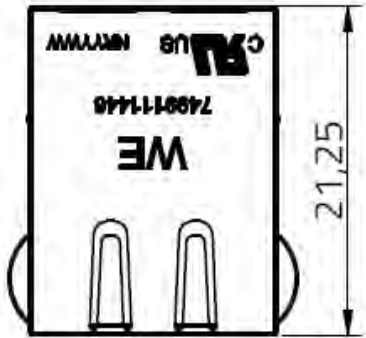
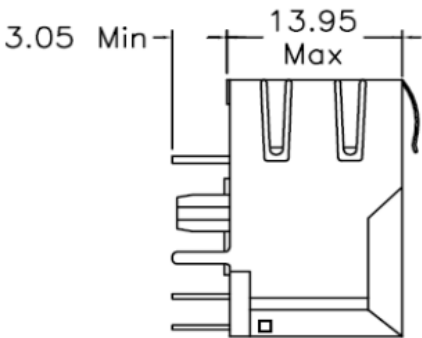
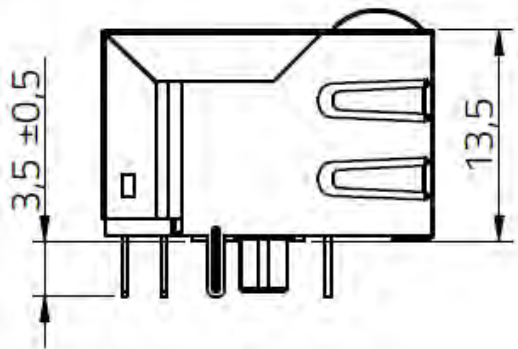
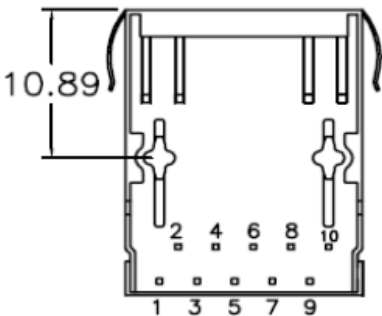
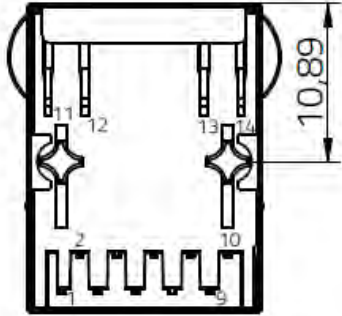
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
	
7499011122A:	
BEFORE CORRECTION 	AFTER CORRECTION 

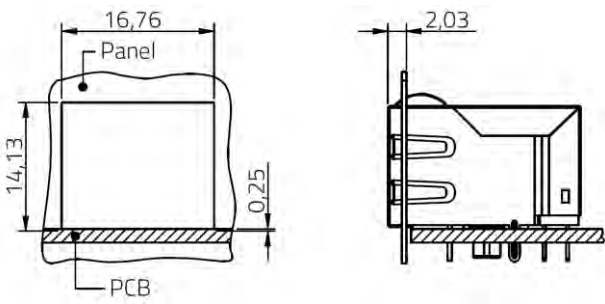
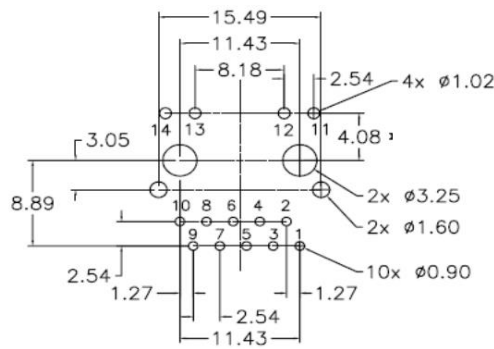
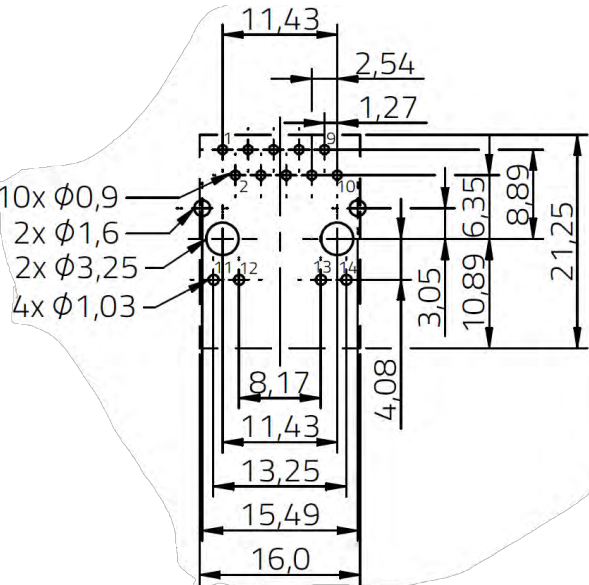
	
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz

Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
	
	
7499011222A:	
BEFORE CORRECTION 	AFTER CORRECTION 

	
	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-50 MHz 50-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-30 MHz	Crosstalk: 1-60 MHz

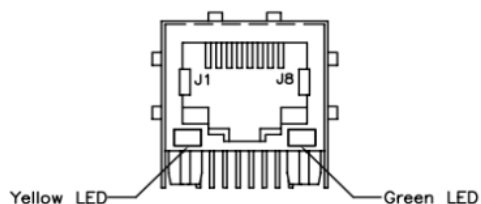
30-60 MHz 60-100 MHz	60-100 MHz
No panel cutout	
	
7499111446:	
BEFORE CORRECTION	AFTER CORRECTION
	

	
	
	
Return Loss: 1-40 MHz 40-60 MHz 60-80 MHz 80-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz

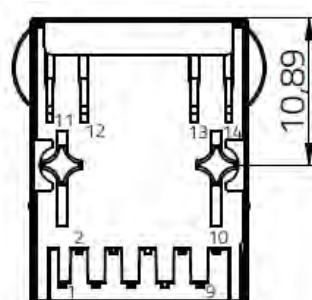
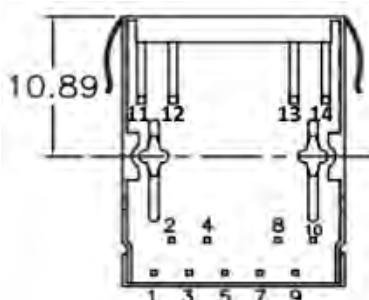
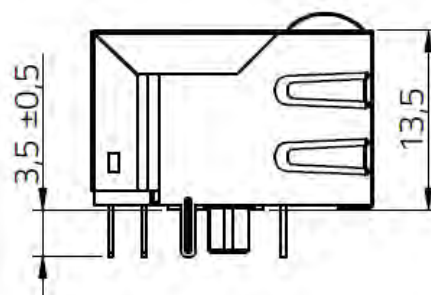
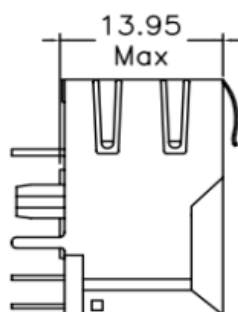
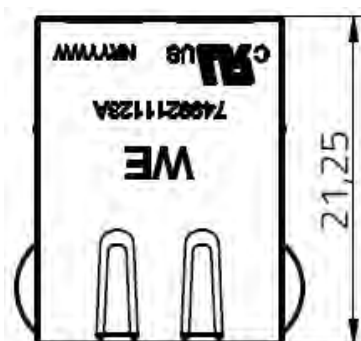
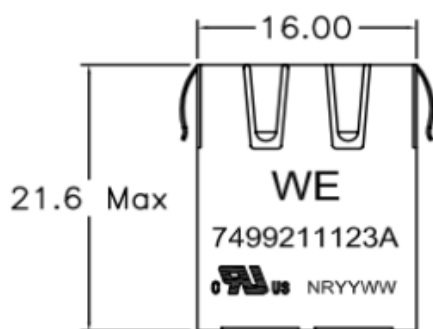
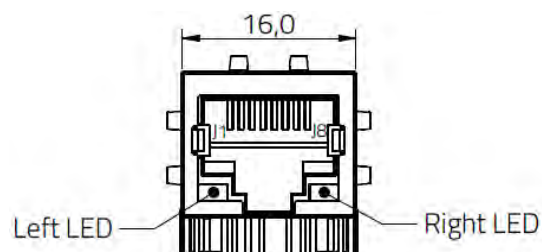
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
	

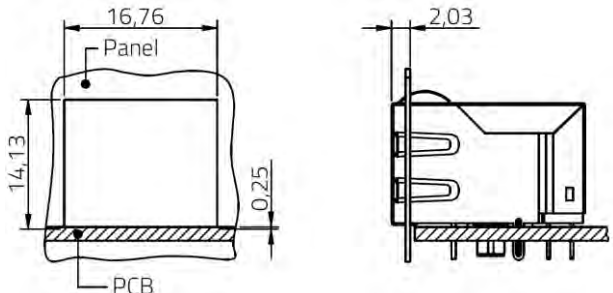
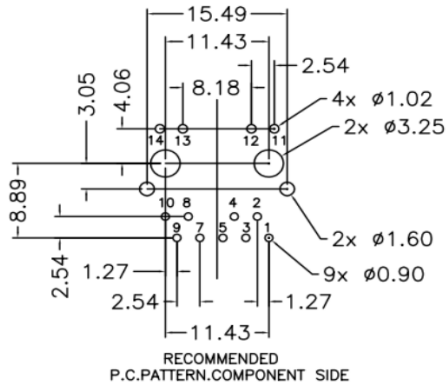
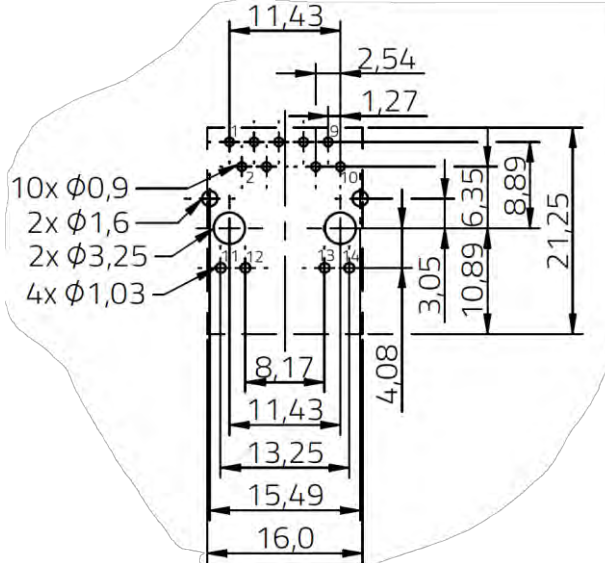
7499211123A:

BEFORE CORRECTION

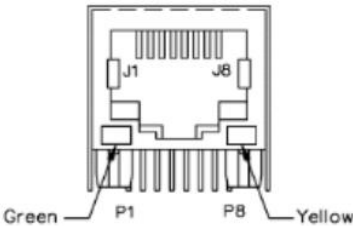
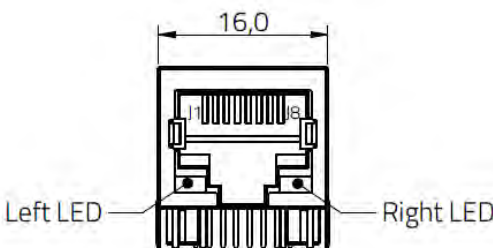
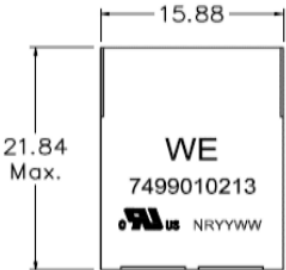
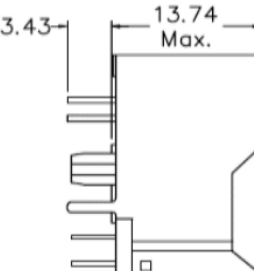
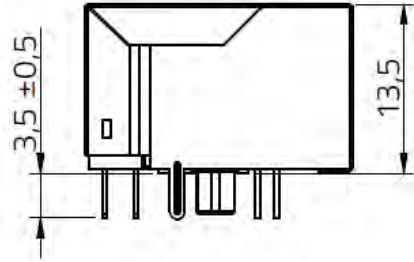
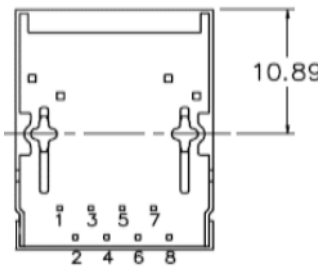
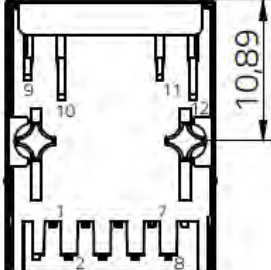


AFTER CORRECTION

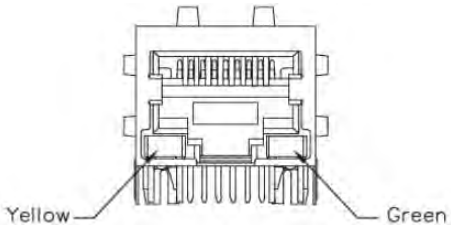
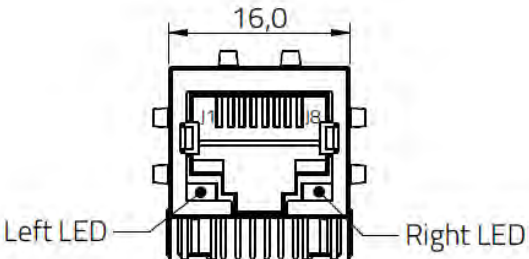
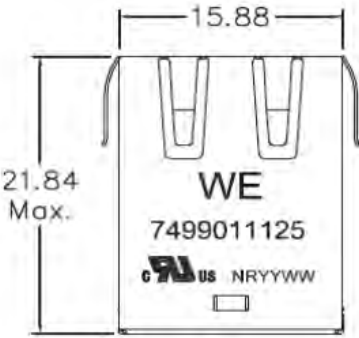
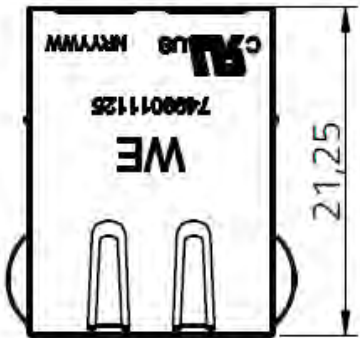
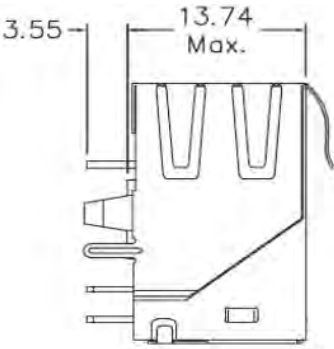
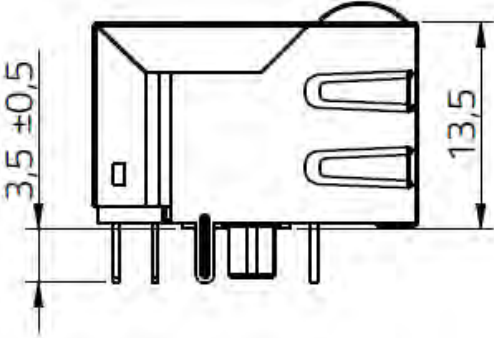


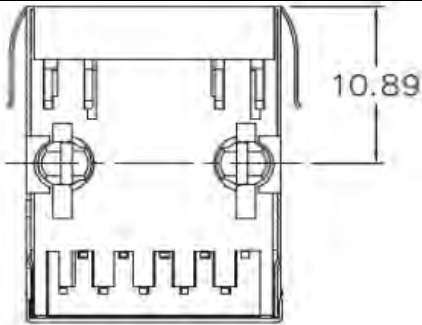
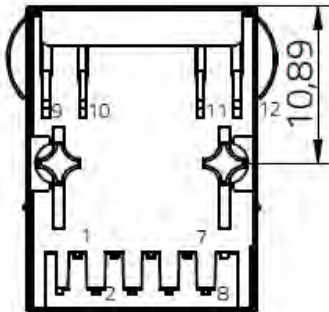
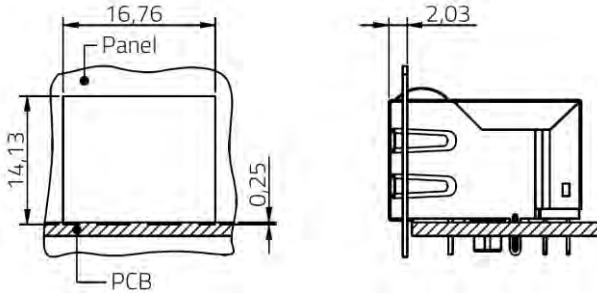
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-500 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-30 MHz 30-60 MHz 60-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
 RECOMMENDED P.C.PATTERN.COMPONENT SIDE	

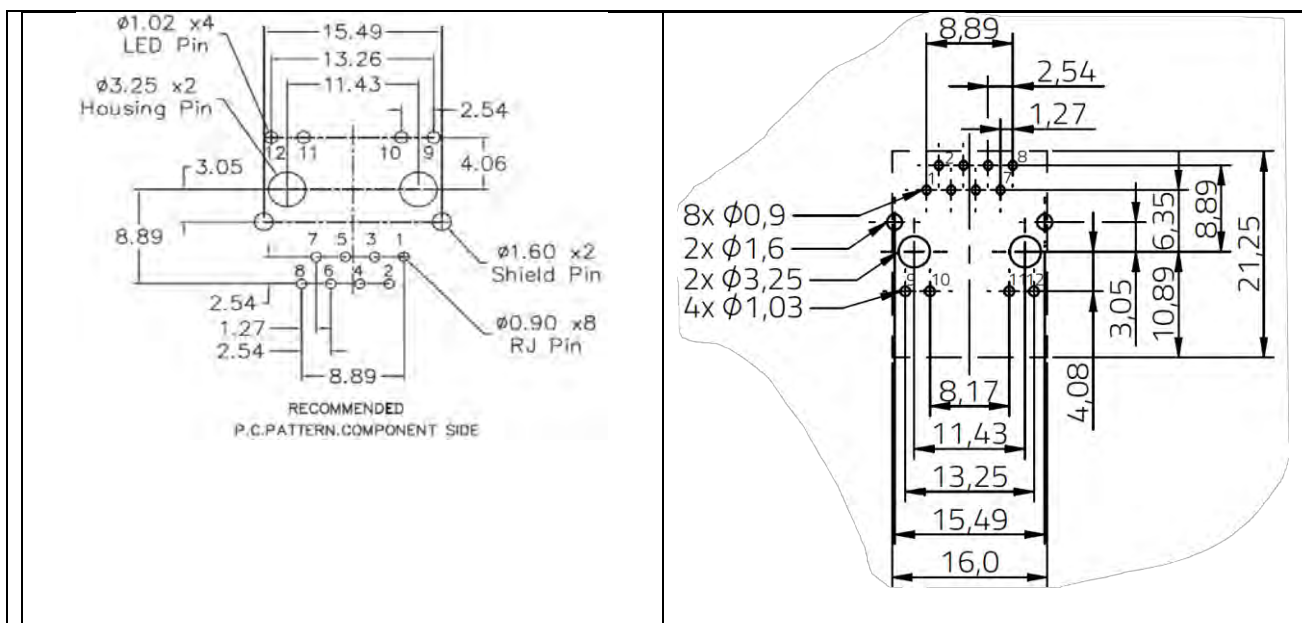
7499010213:

BEFORE CORRECTION	AFTER CORRECTION
	
	
	
	

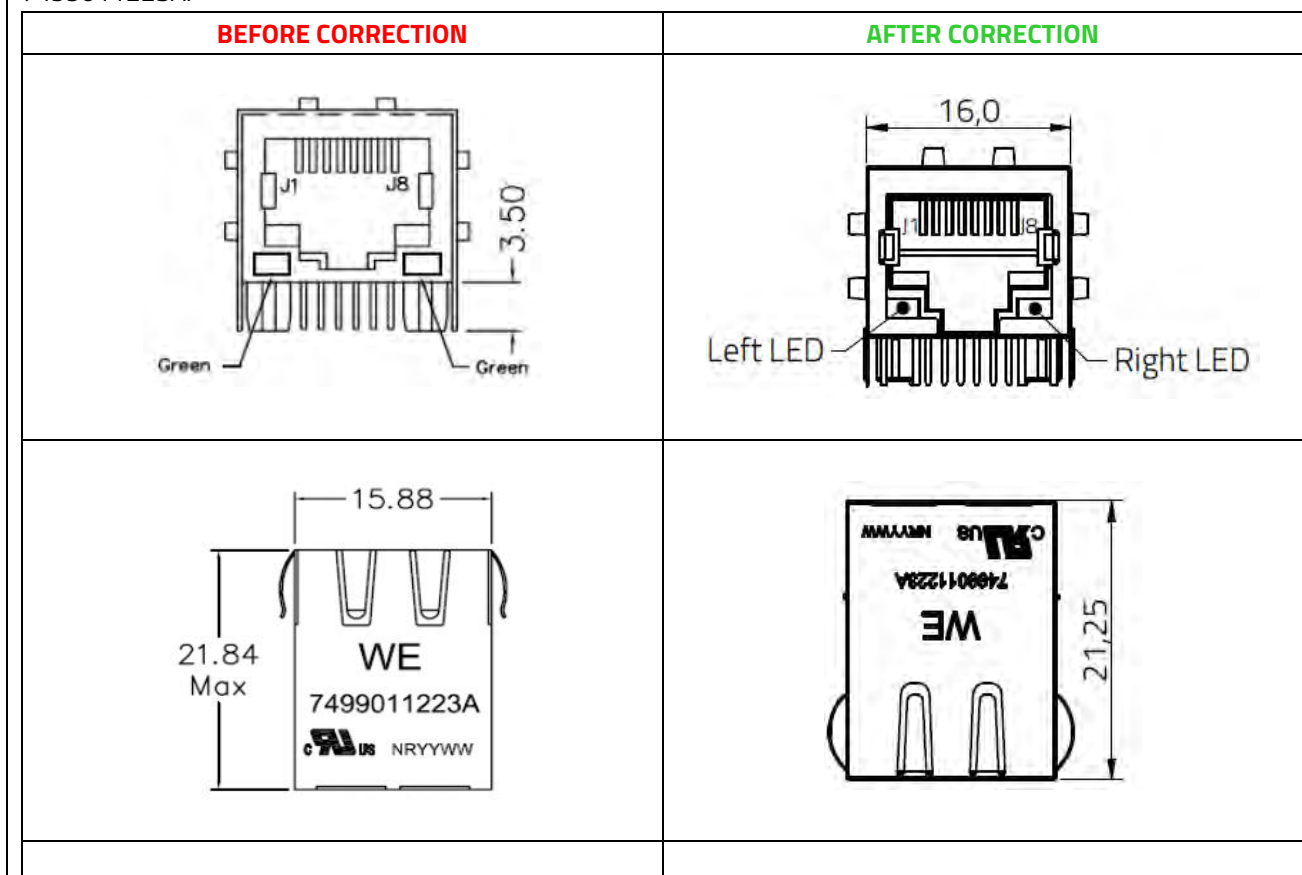
7499011125:

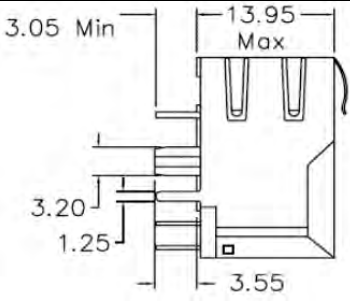
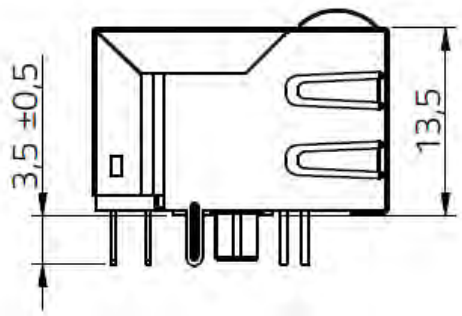
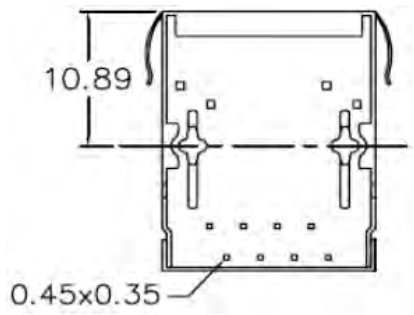
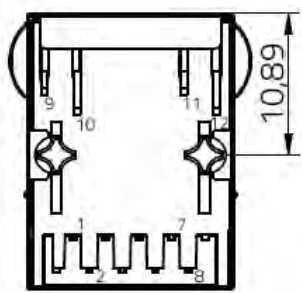
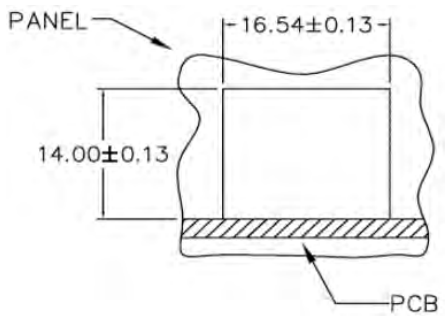
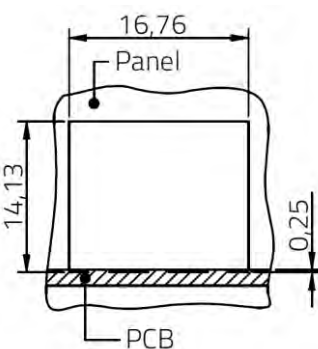
BEFORE CORRECTION	AFTER CORRECTION
	
	
	

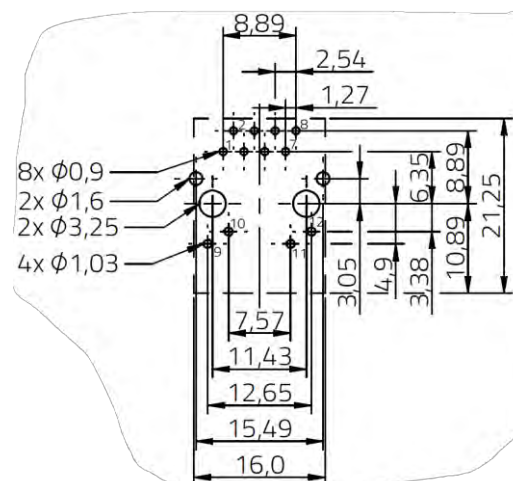
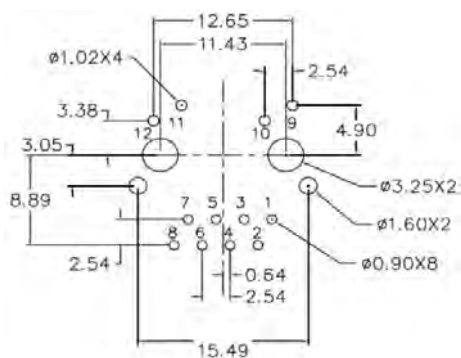
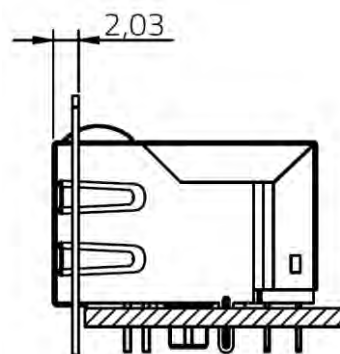
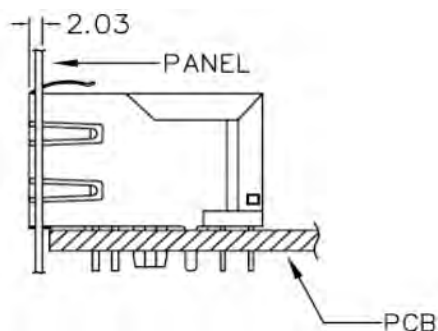
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	



7499011223A:

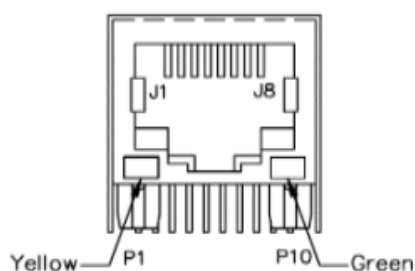


	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
	

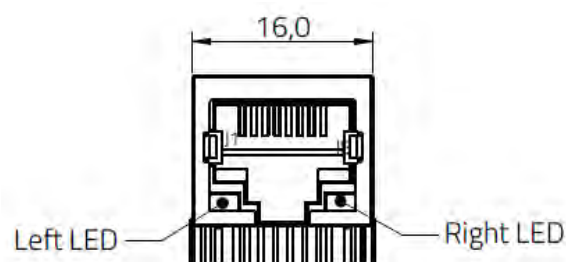


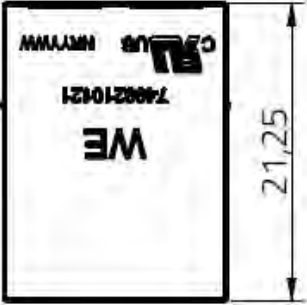
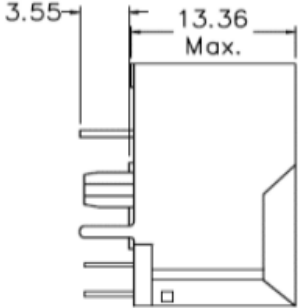
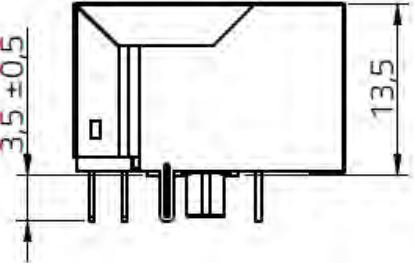
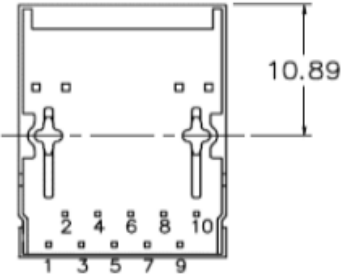
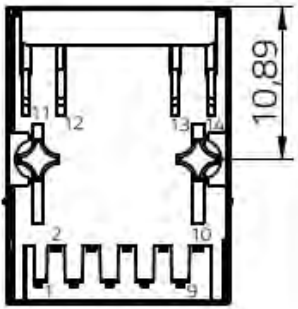
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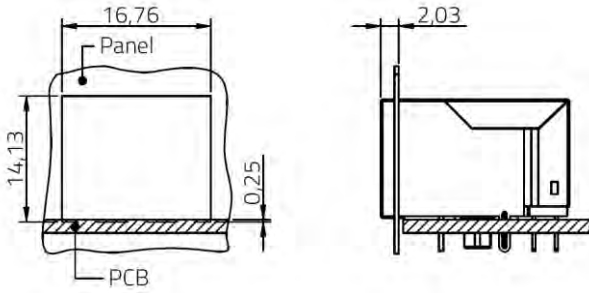
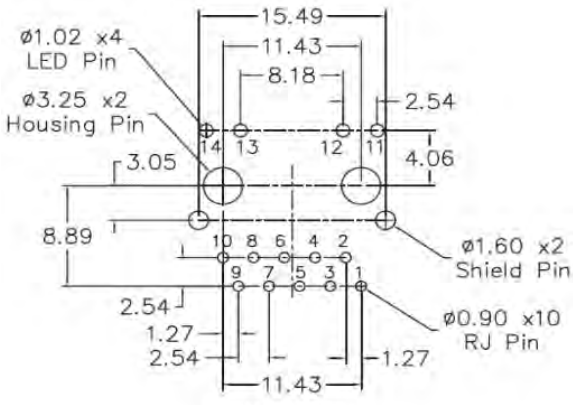
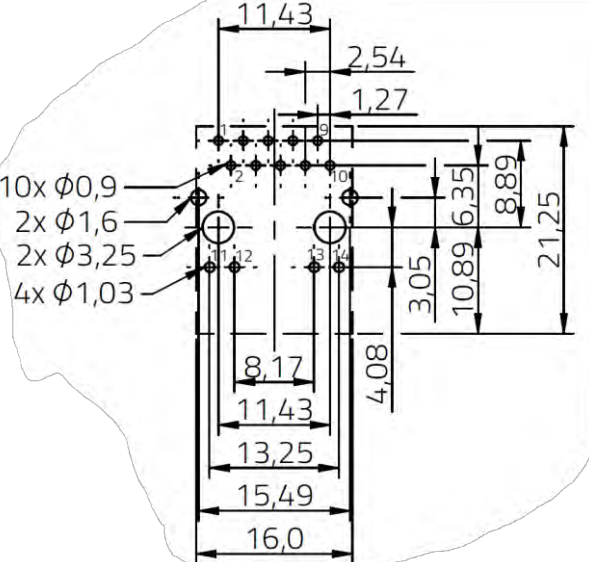
BEFORE CORRECTION



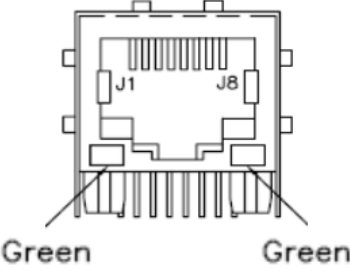
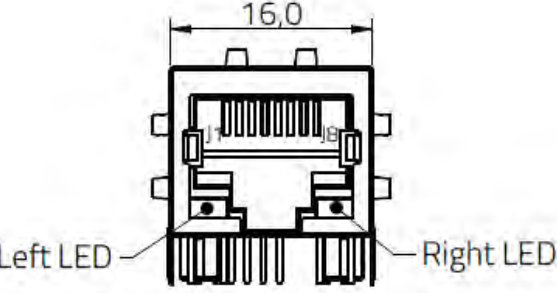
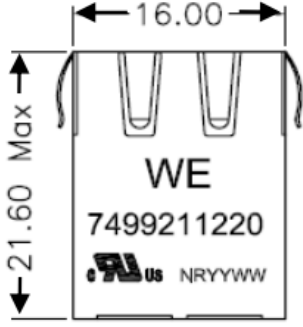
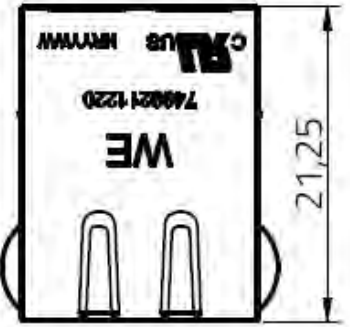
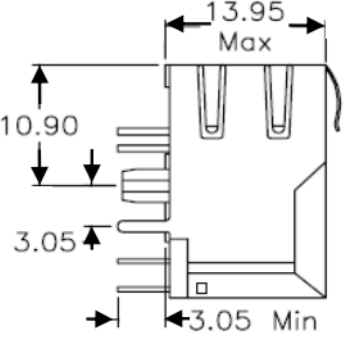
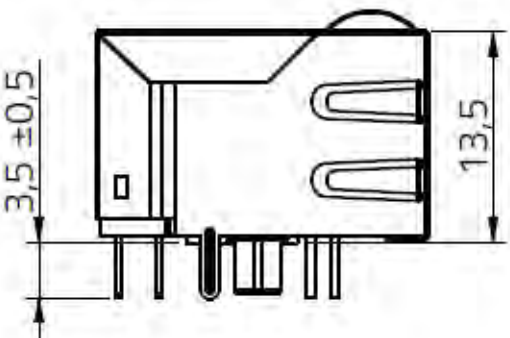
AFTER CORRECTION

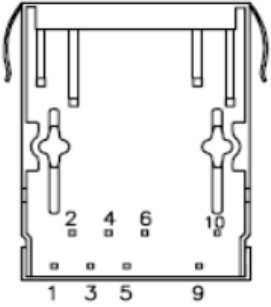
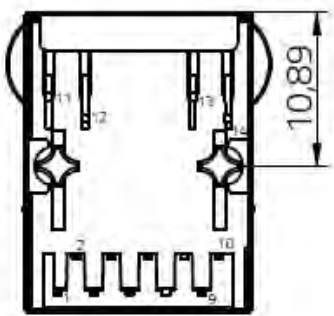
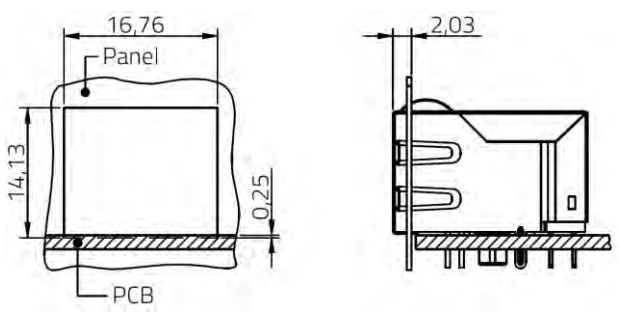


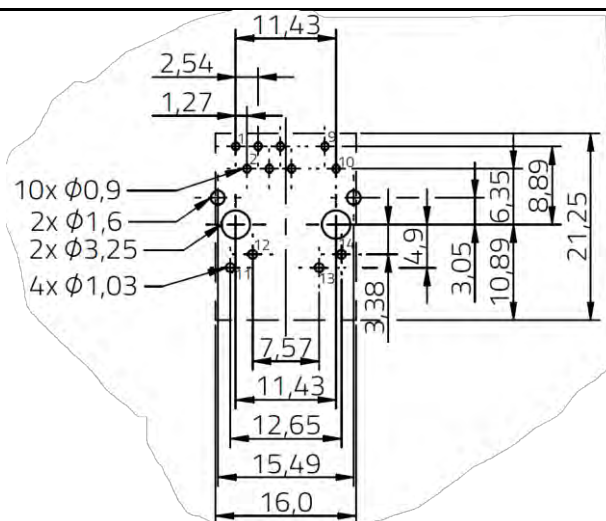
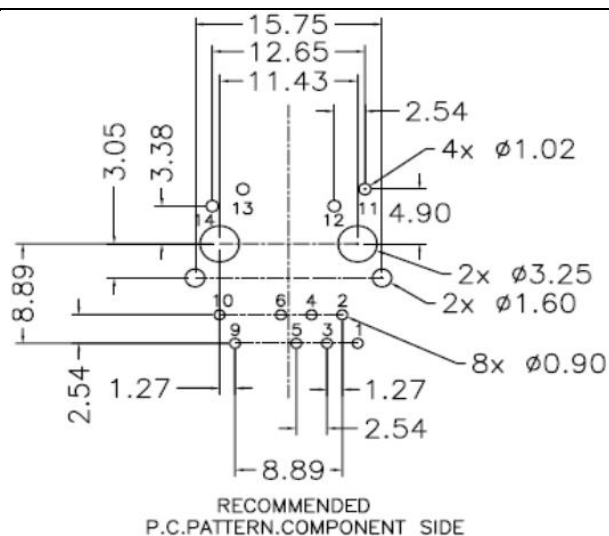
	
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz

Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
 RECOMMENDED P.C.PATTERN.COMPONENT SIDE	

7499211220:

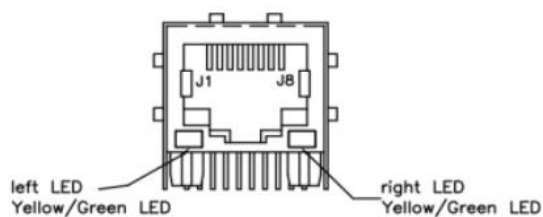
BEFORE CORRECTION	AFTER CORRECTION
 Green Green	 Left LED Right LED
 16.00 21.60 Max WE 7499211220 c RL us NRYWW	 21,25 WE 7499211220 c RL us NRYWW
 13.95 Max 10.90 3.05 3.05 Min	 3,5 ±0,5 13,5

	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

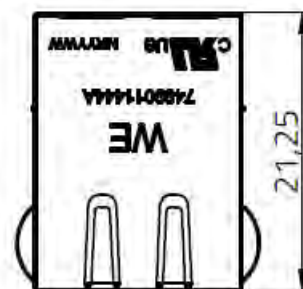
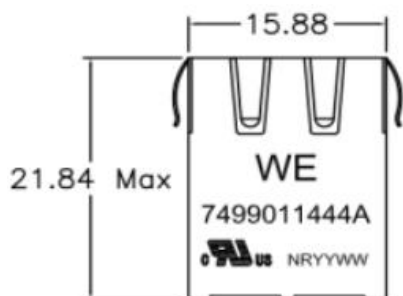
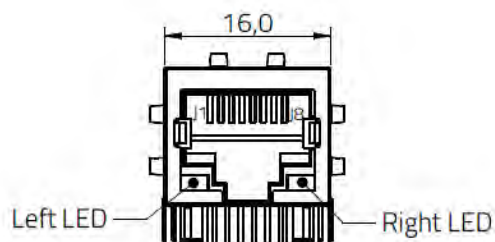


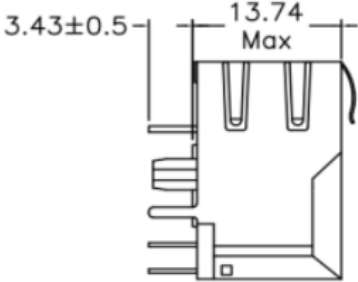
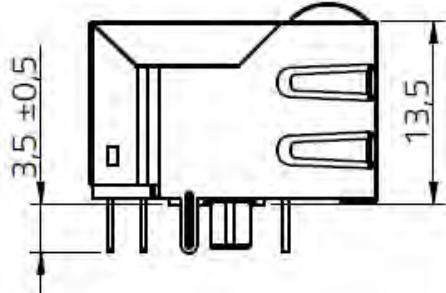
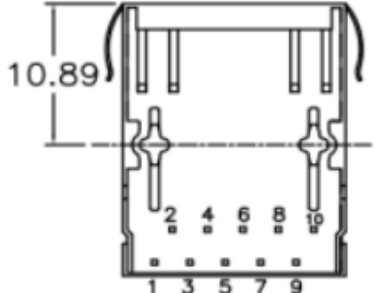
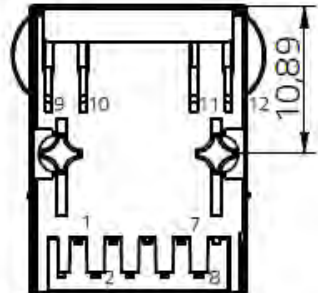
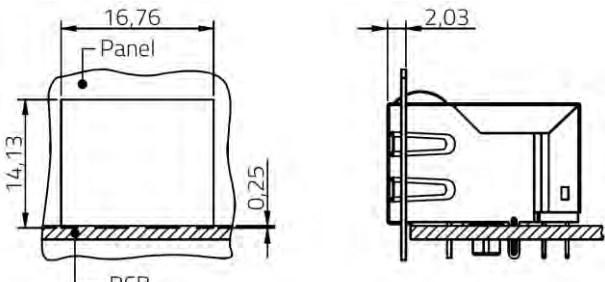
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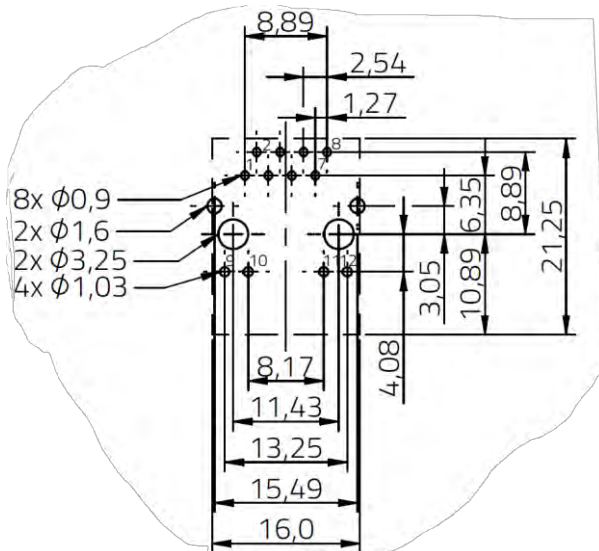
BEFORE CORRECTION

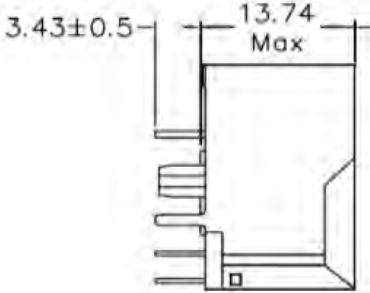
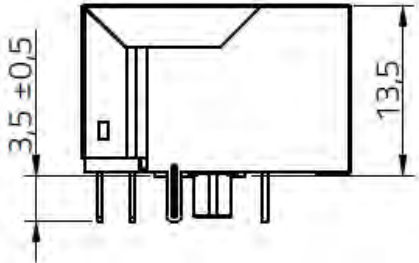
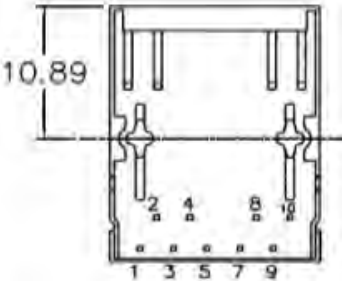
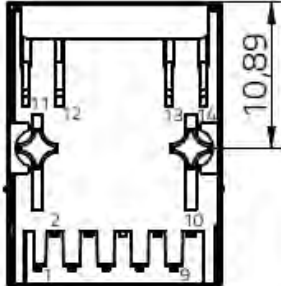
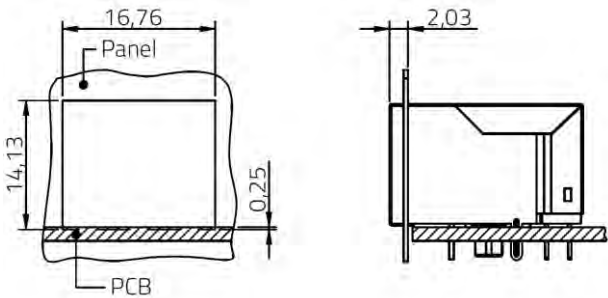


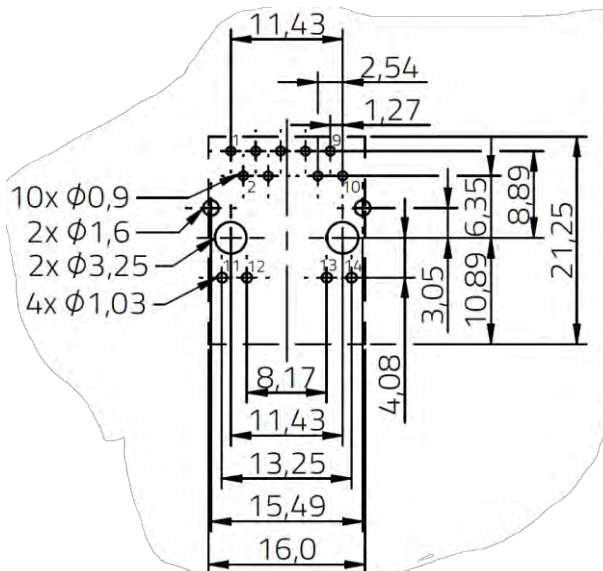
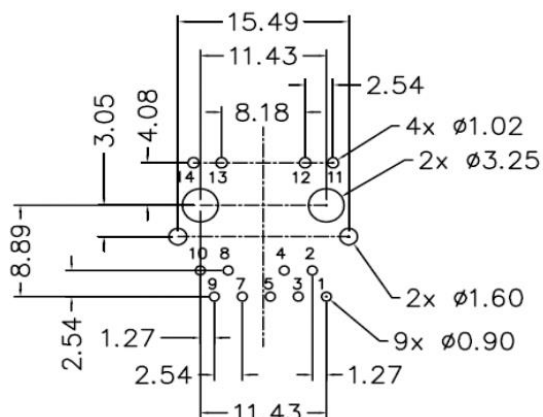
AFTER CORRECTION



	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

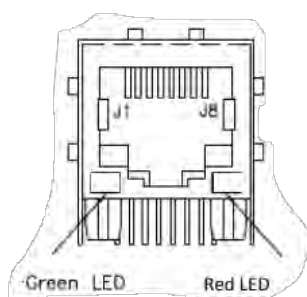


	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

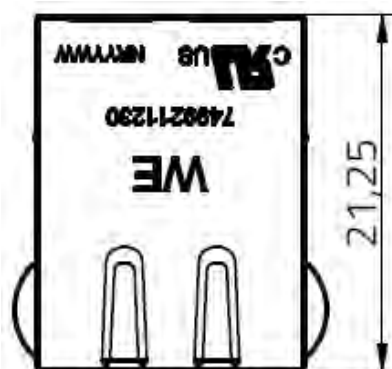
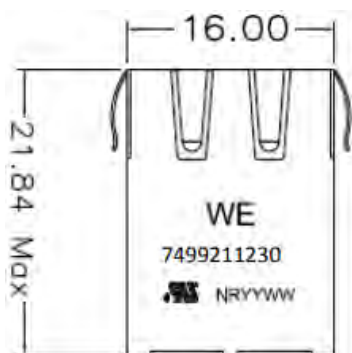
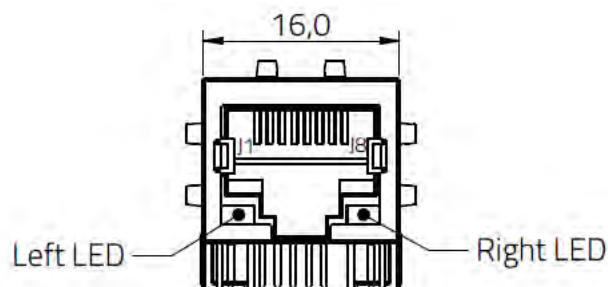


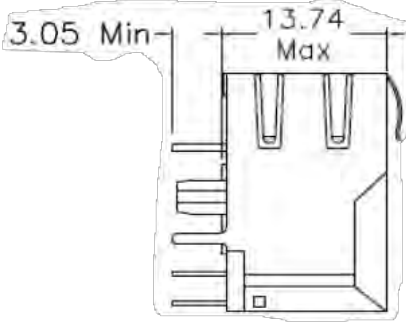
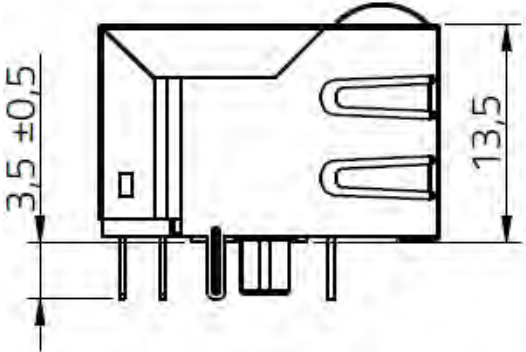
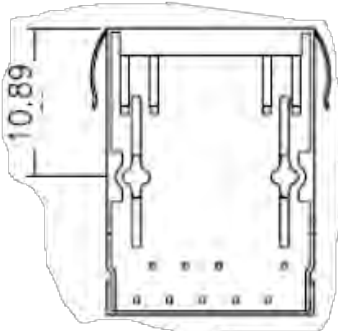
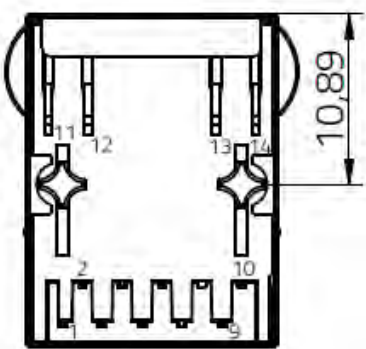
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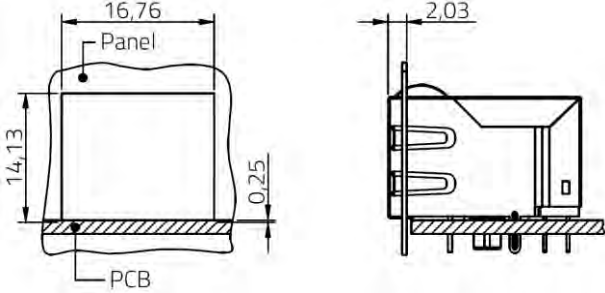
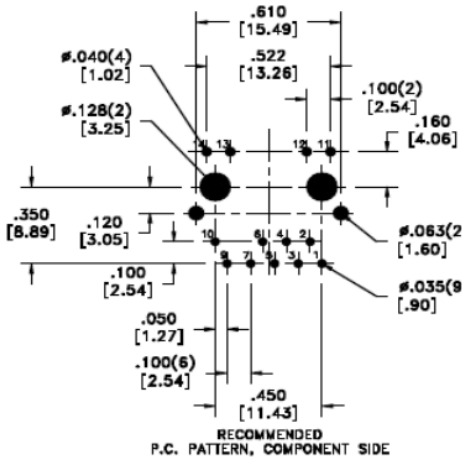
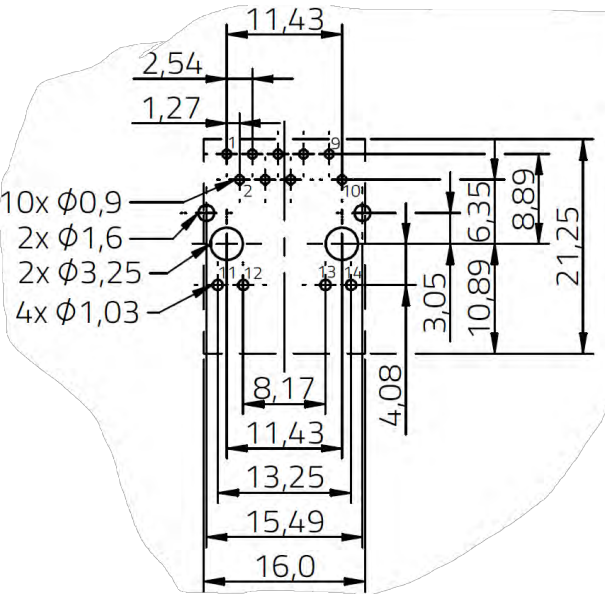
BEFORE CORRECTION



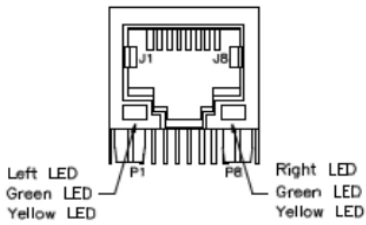
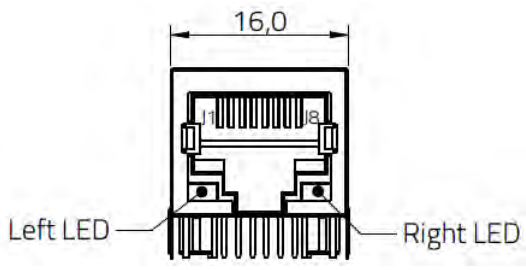
AFTER CORRECTION

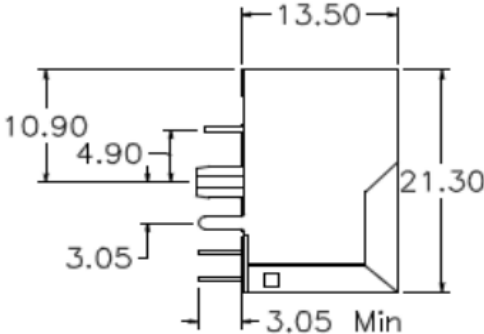
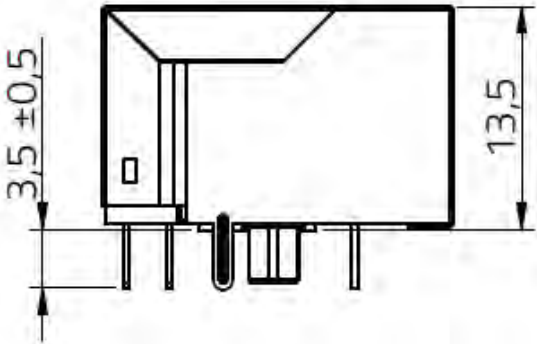
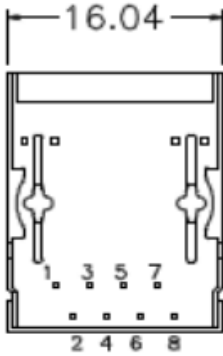
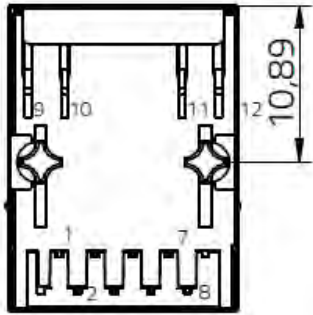


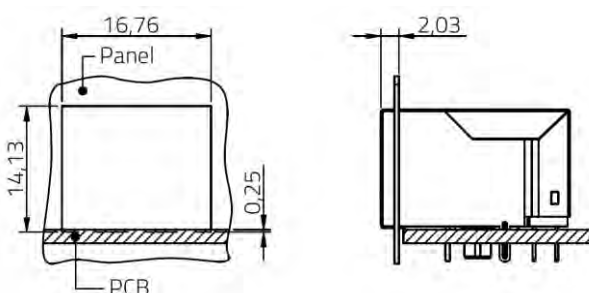
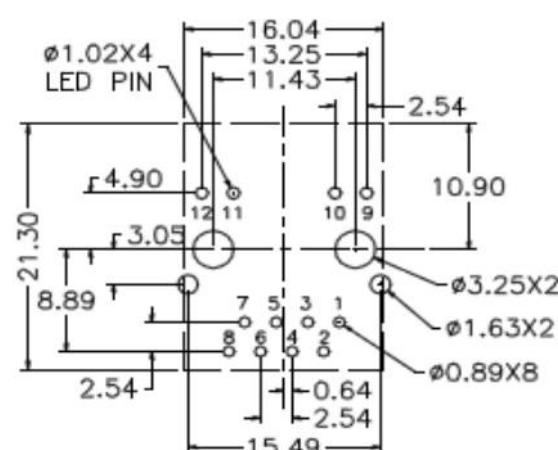
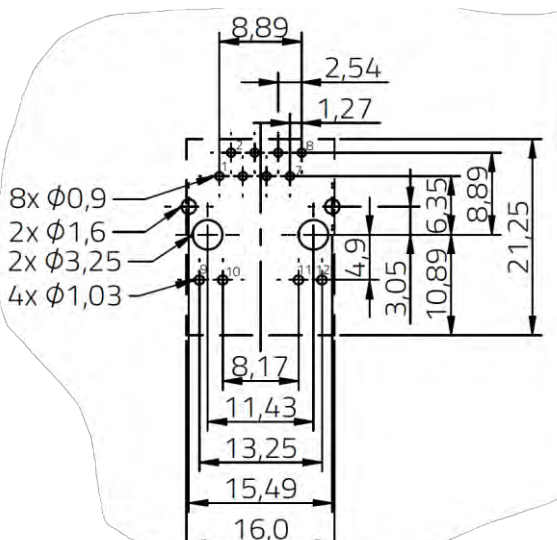
	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

No panel cutout	
	

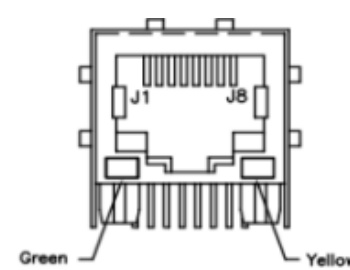
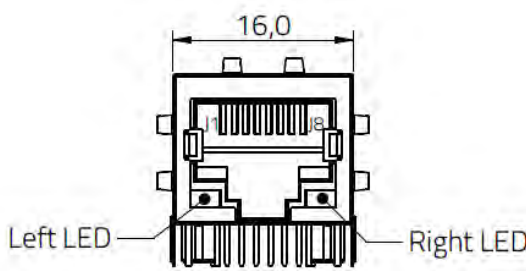
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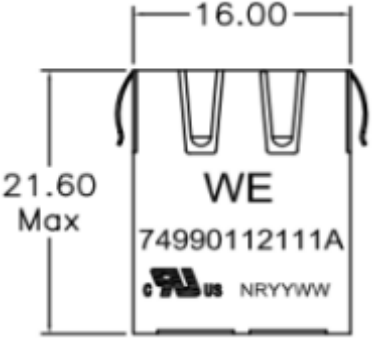
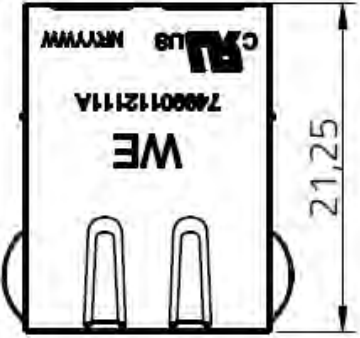
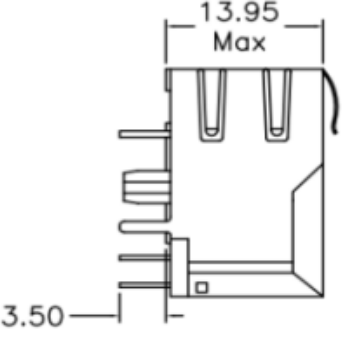
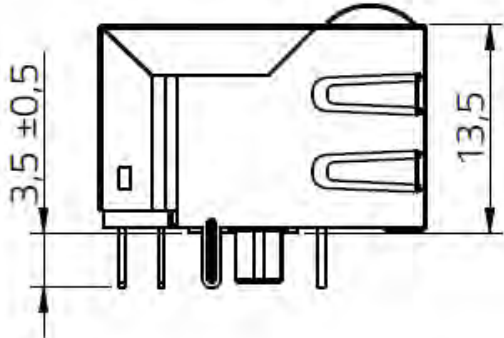
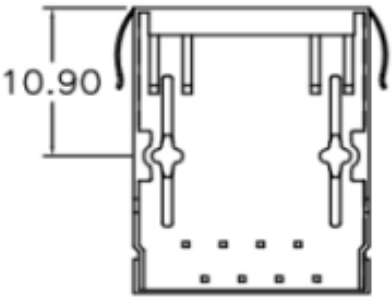
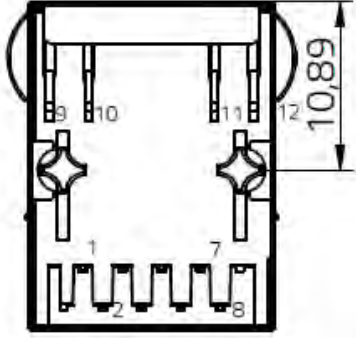
BEFORE CORRECTION	AFTER CORRECTION
	

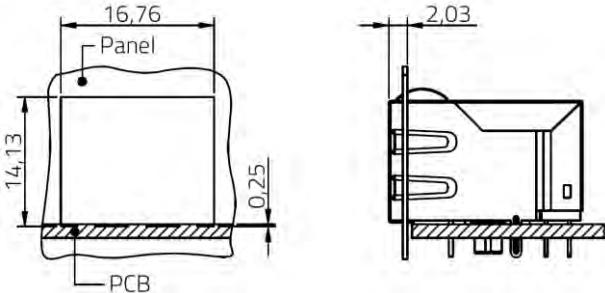
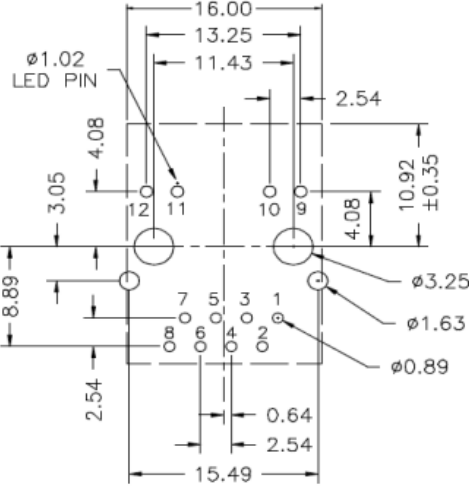
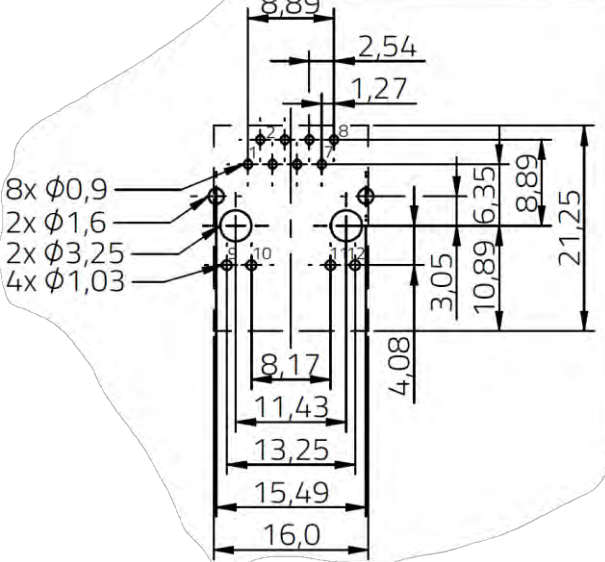
	
	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-50 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz

	60-100 MHz
Crosstalk: 1-30 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
 RECOMMENDED P.C.PATTERN.COMPONENT SIDE	

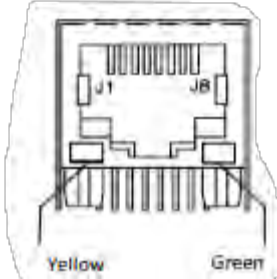
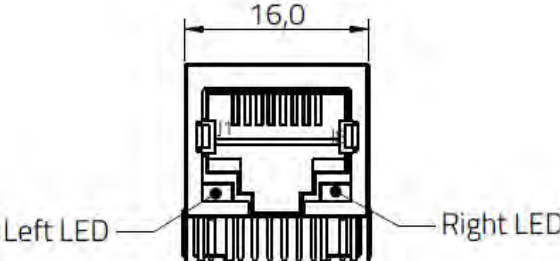
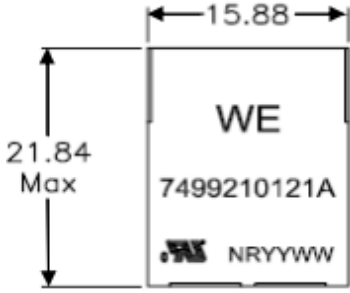
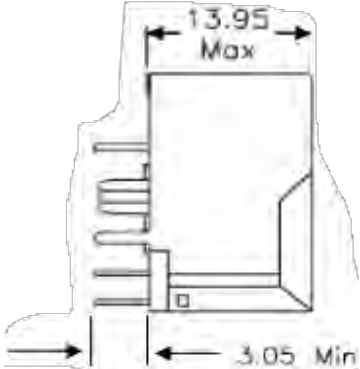
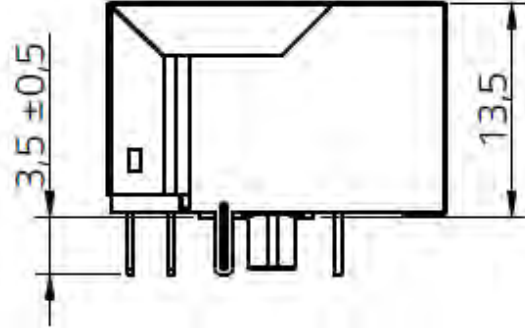
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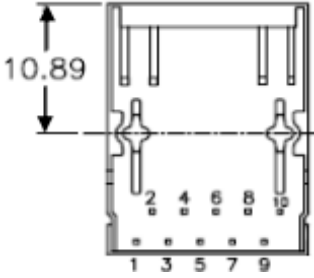
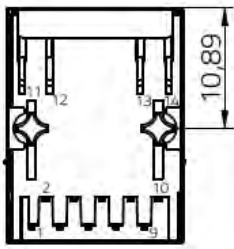
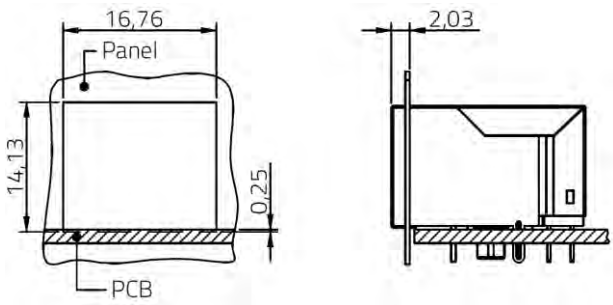
BEFORE CORRECTION	AFTER CORRECTION
	

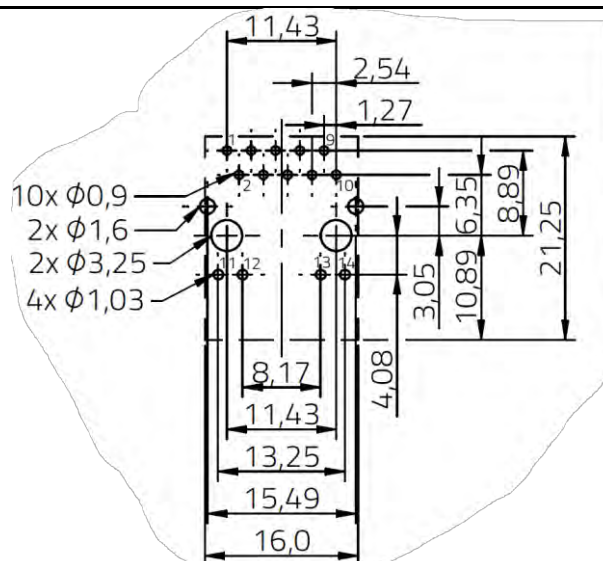
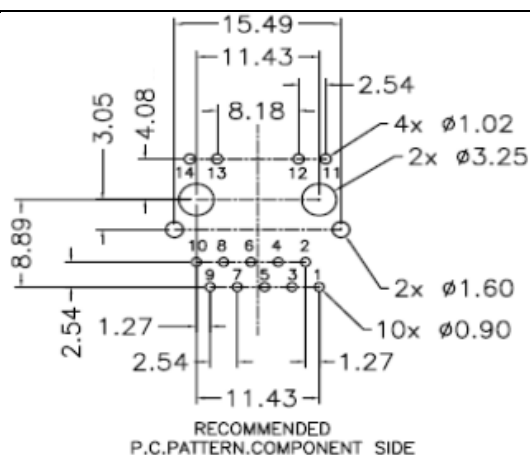
	
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz

Common Mode Rejection: 1-50 MHz 50-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-30 MHz 30-60MHz 60-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
 (Component Side View)	

7499210121A:

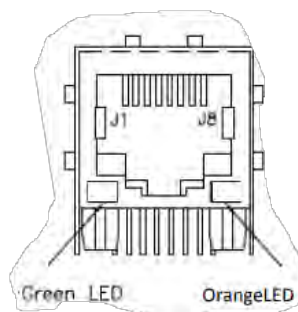
BEFORE CORRECTION	AFTER CORRECTION
	
	
	

	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

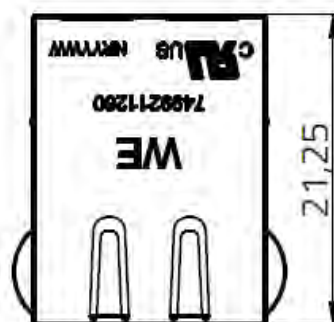
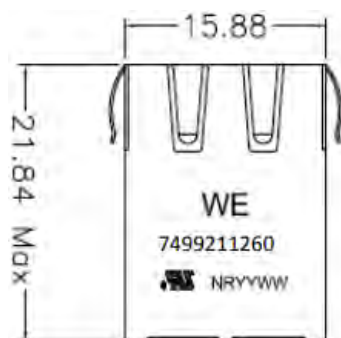
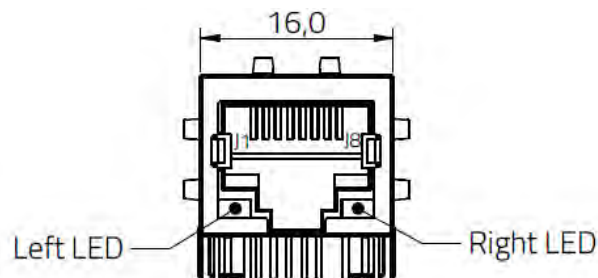


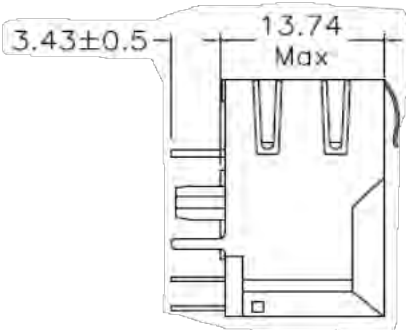
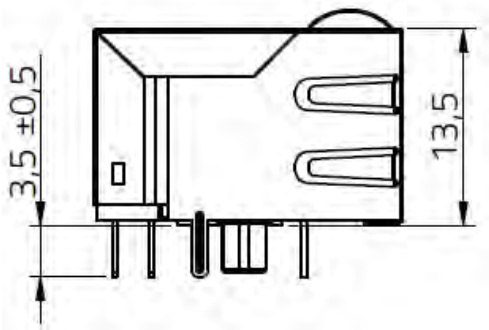
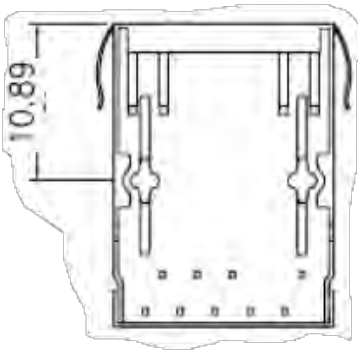
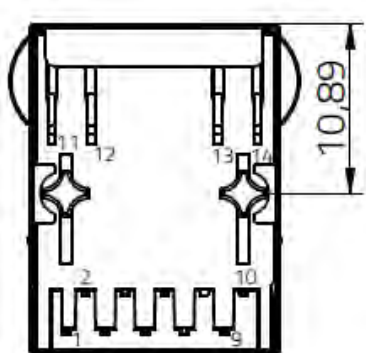
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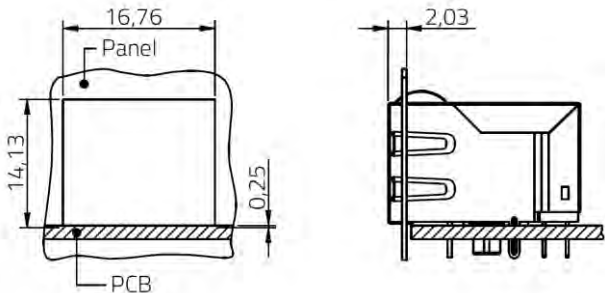
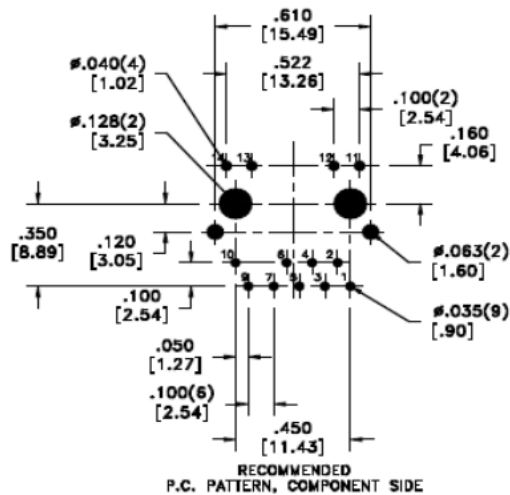
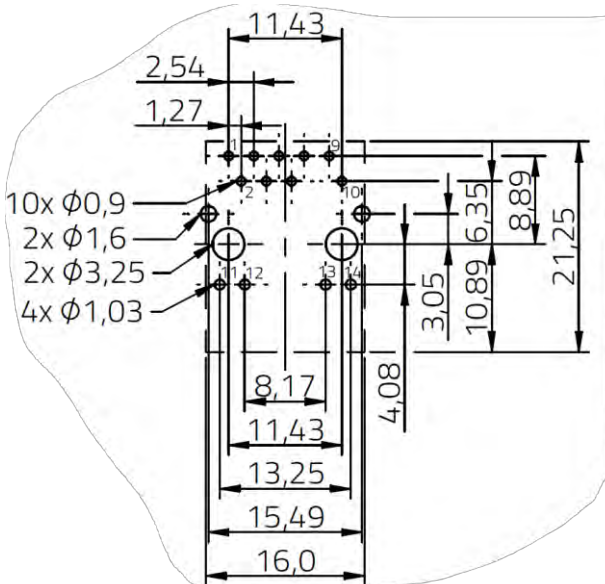
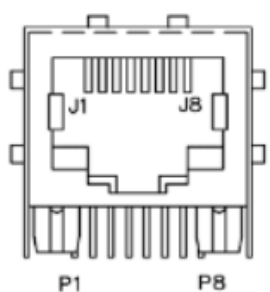
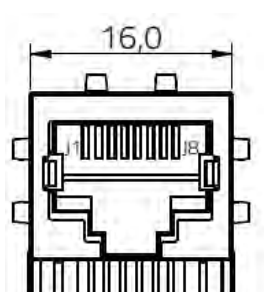
BEFORE CORRECTION

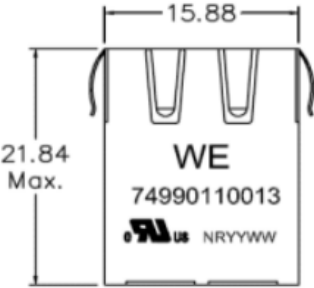
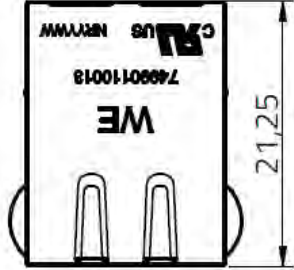
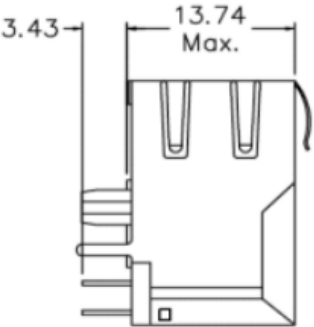
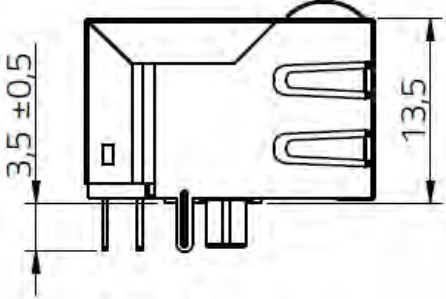
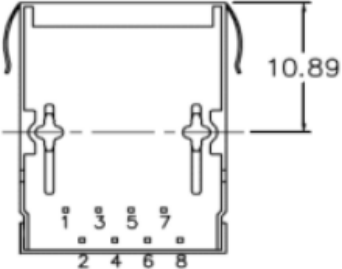
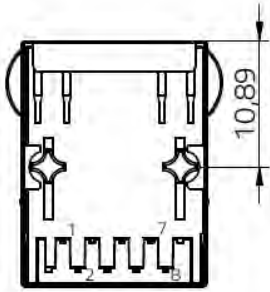


AFTER CORRECTION

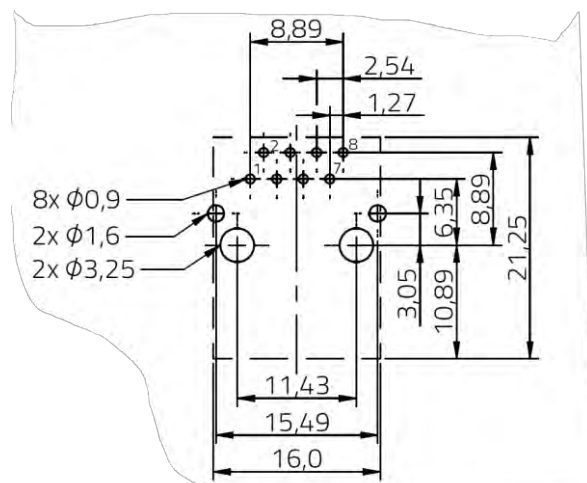
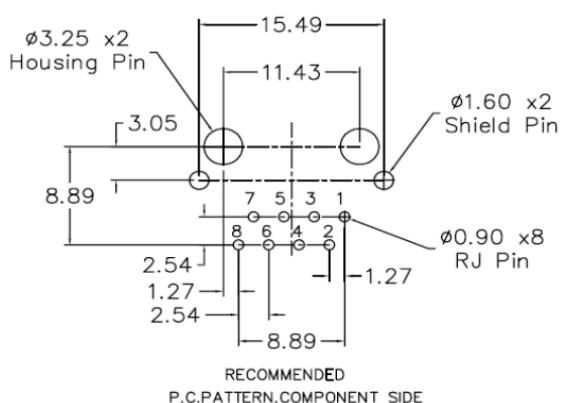
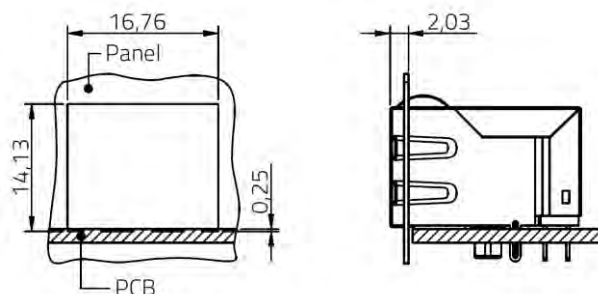


	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

No panel cutout	
	
74990110013	
BEFORE CORRECTION 	AFTER CORRECTION 

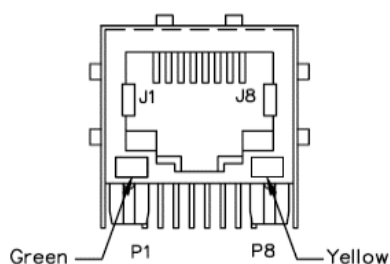
	
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz 100-500 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

No panel cutout

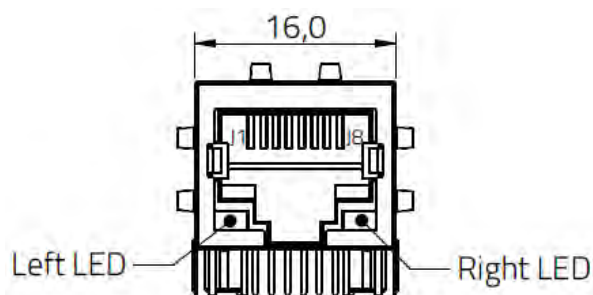


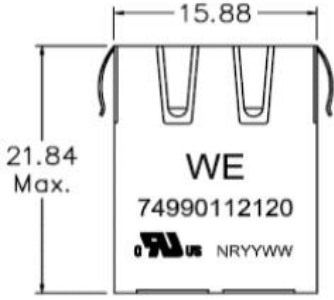
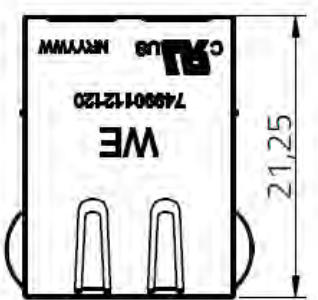
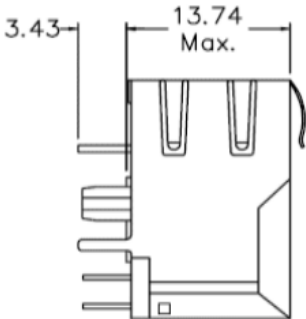
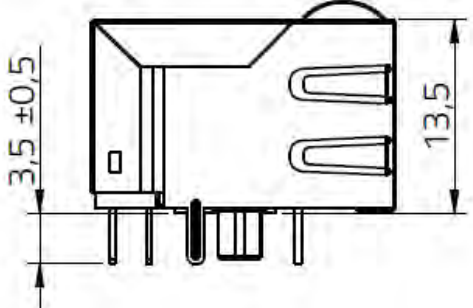
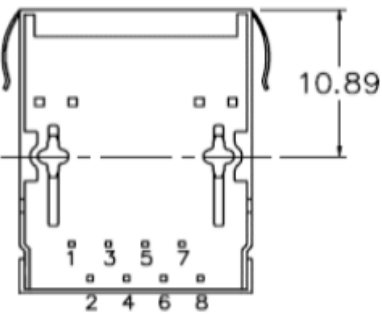
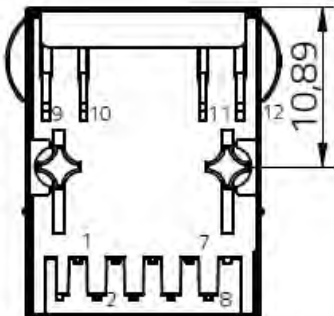
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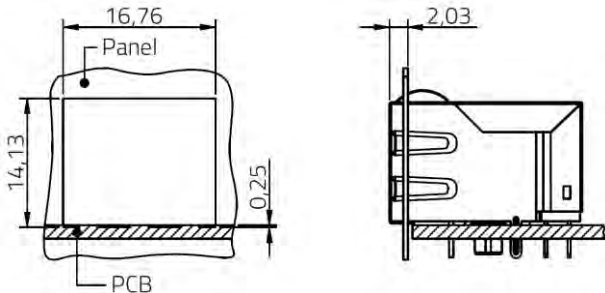
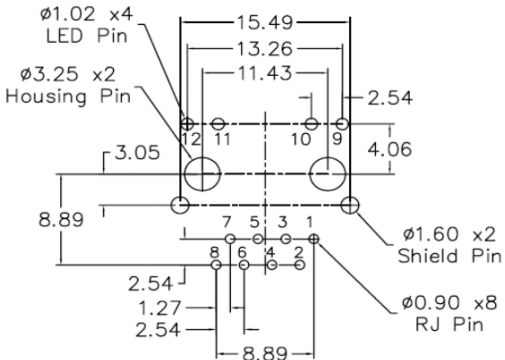
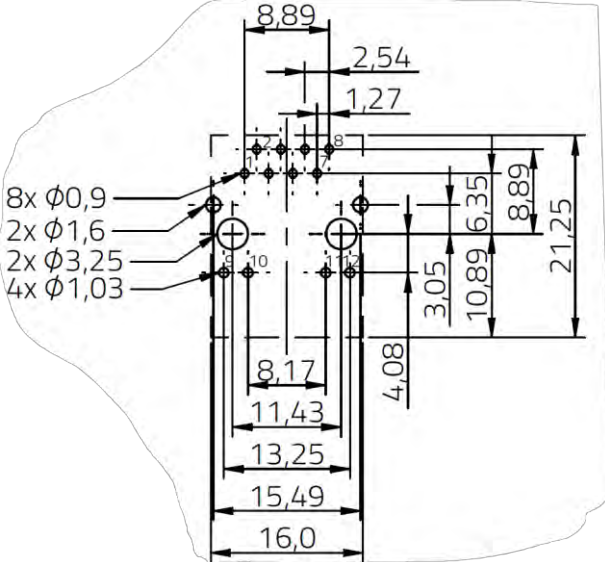
BEFORE CORRECTION



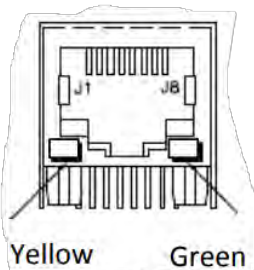
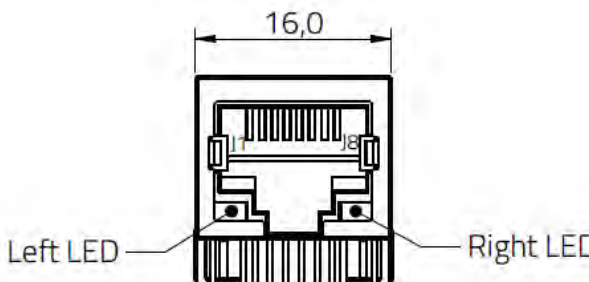
AFTER CORRECTION

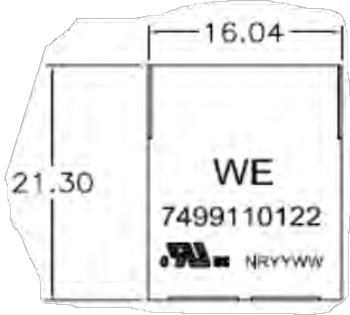
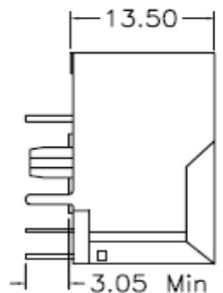
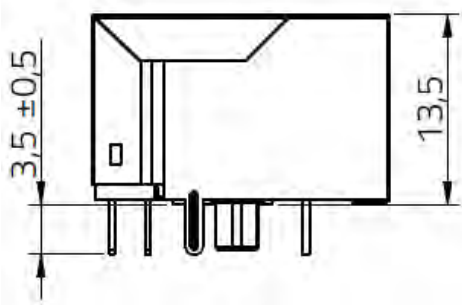
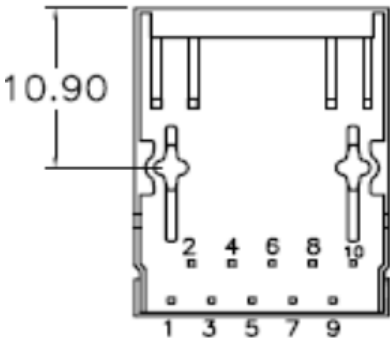
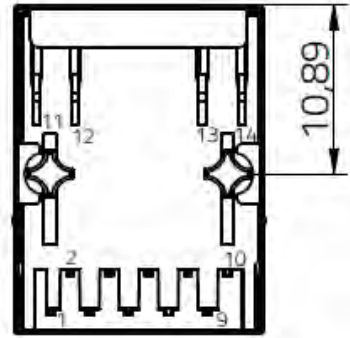


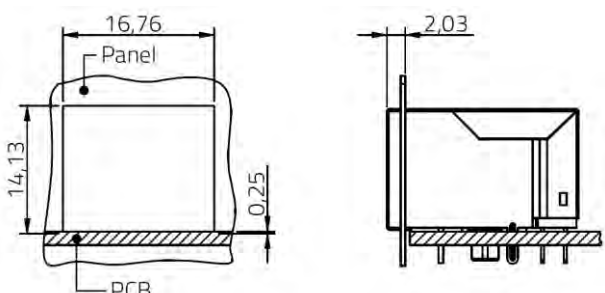
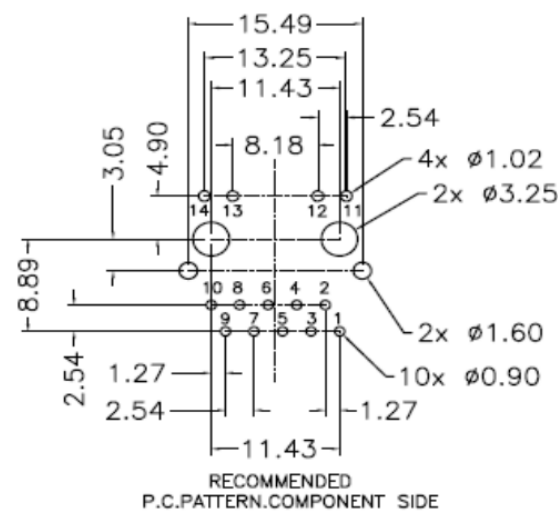
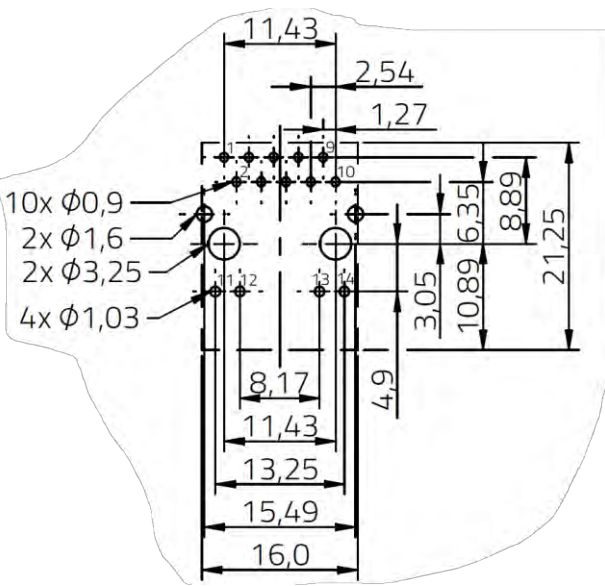
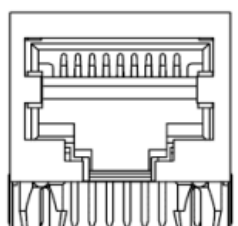
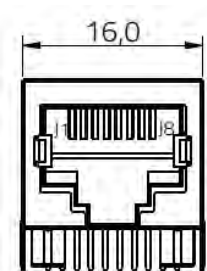
	
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz

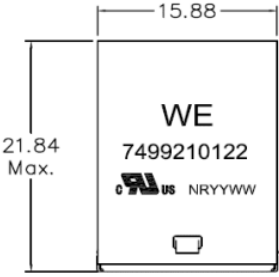
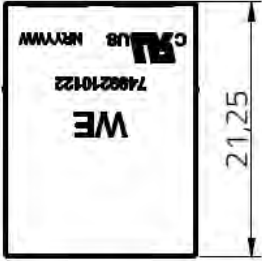
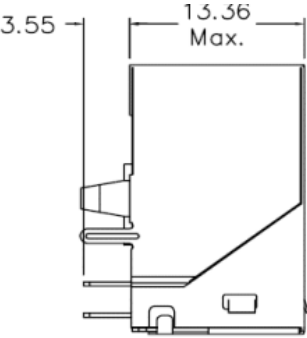
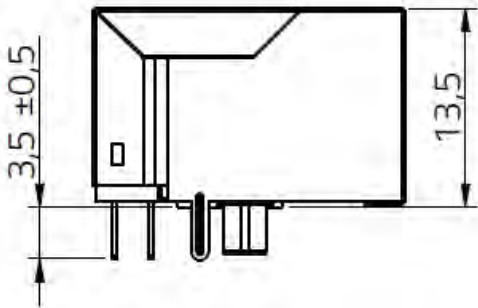
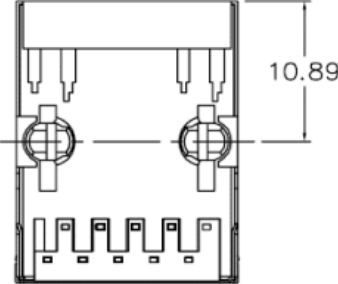
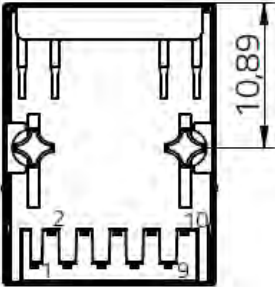
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
 RECOMMENDED P.C.PATTERN.COMPONENT SIDE	

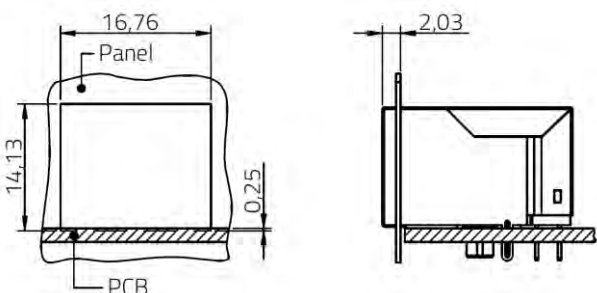
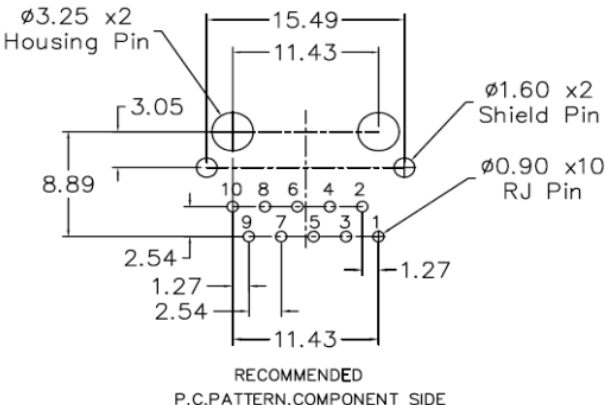
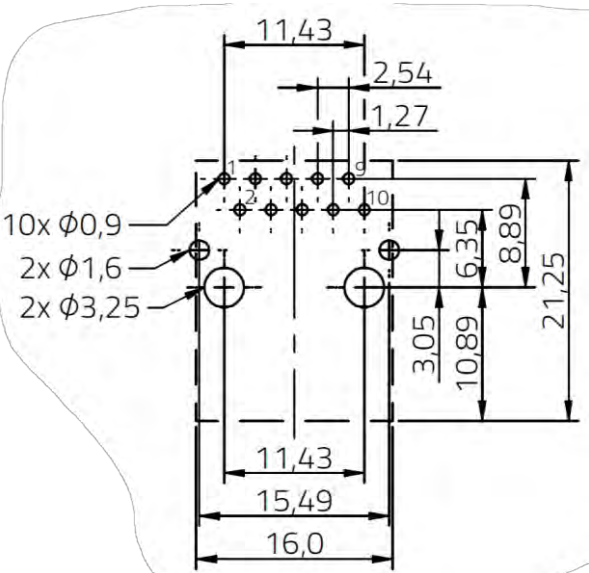
7499110122:

BEFORE CORRECTION	AFTER CORRECTION
	

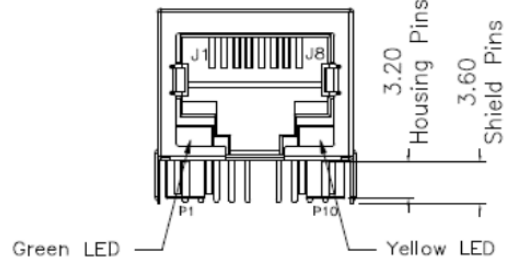
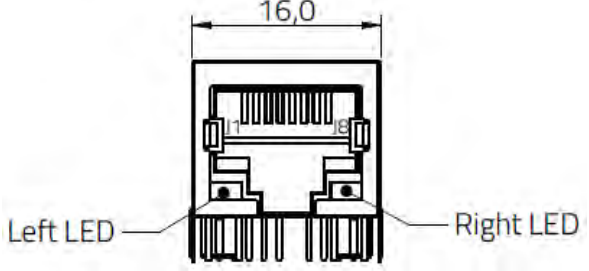
	
	
	
Return Loss: 1-30 MHz 40 MHz 50 MHz 60-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz

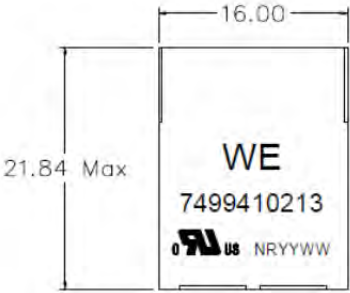
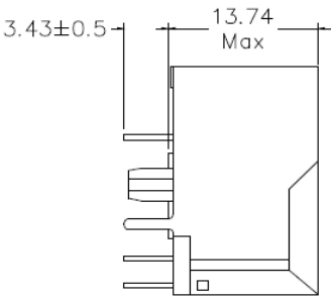
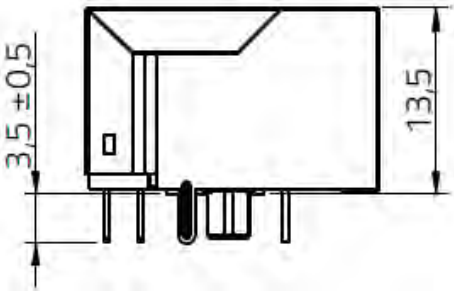
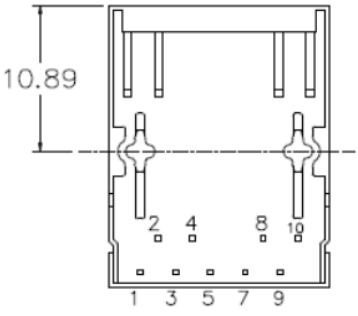
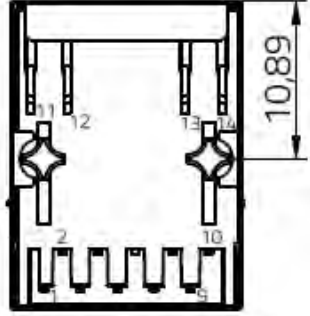
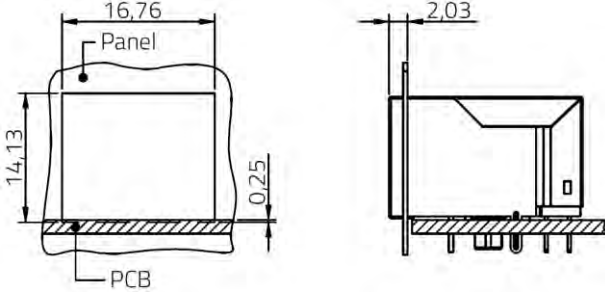
	60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
 RECOMMENDED P.C.PATTERN.COMPONENT SIDE	
7499210122:	
BEFORE CORRECTION	AFTER CORRECTION
	

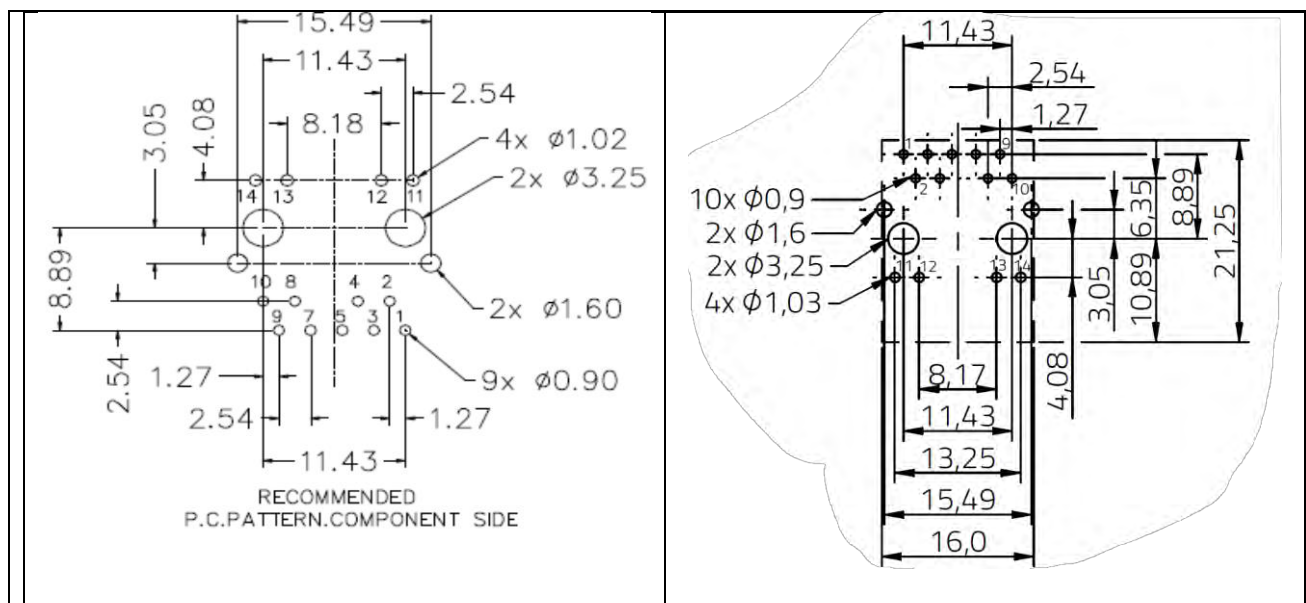
	
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz

Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
	

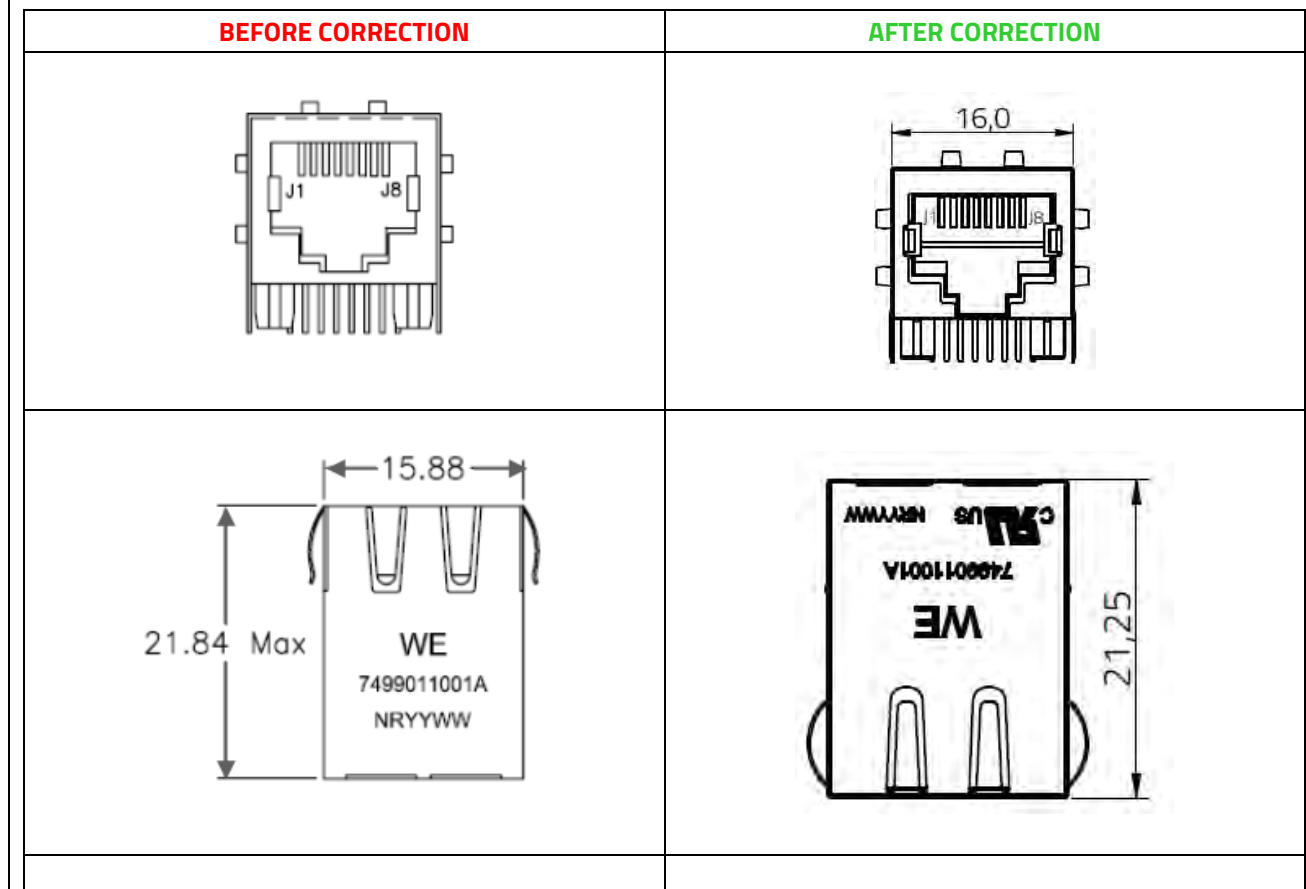
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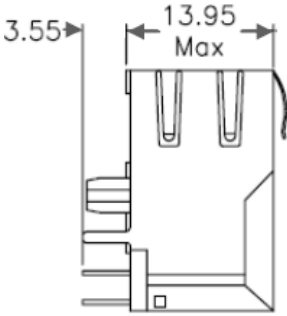
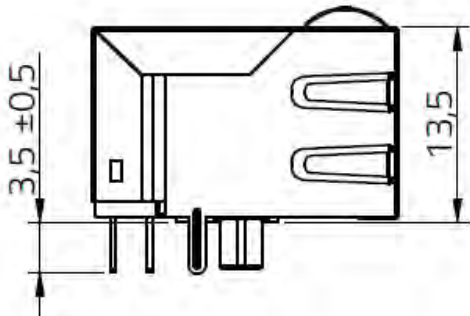
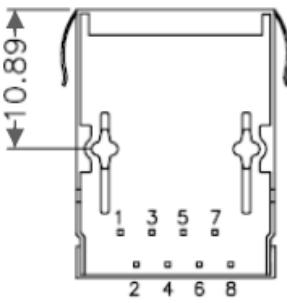
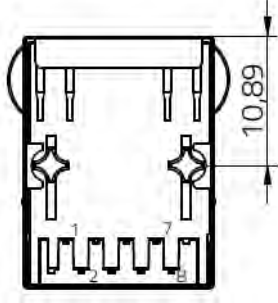
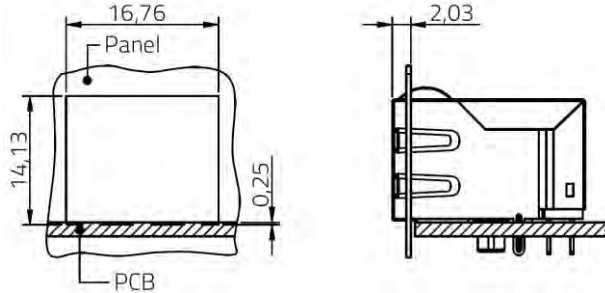
BEFORE CORRECTION	AFTER CORRECTION
	

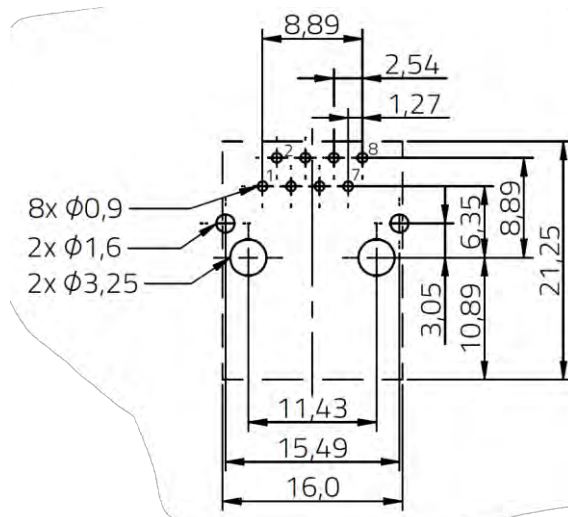
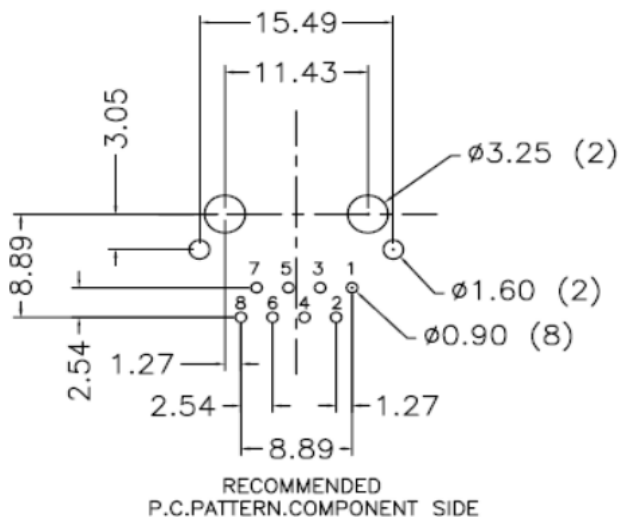
	
	
	
No panel cutout	



7499011001A:

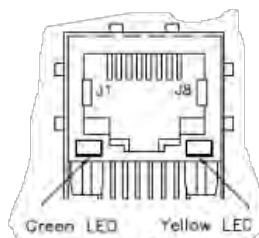


	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

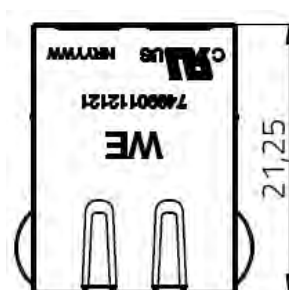
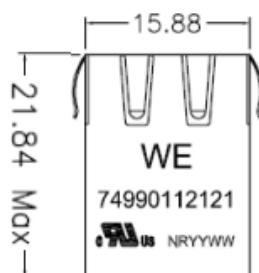
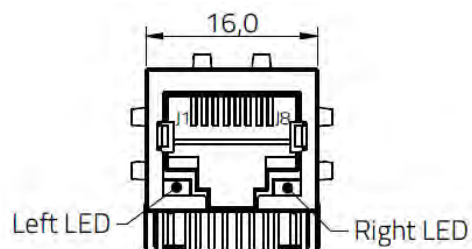


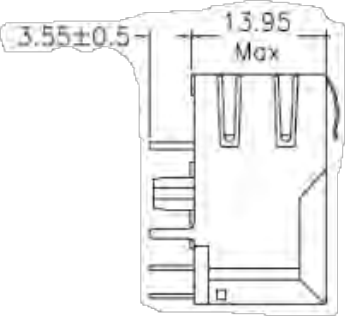
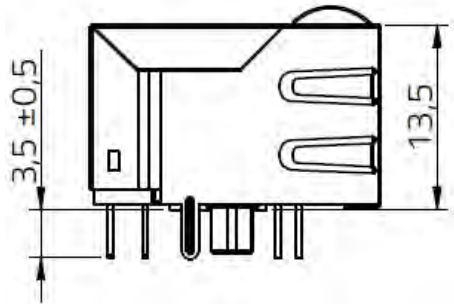
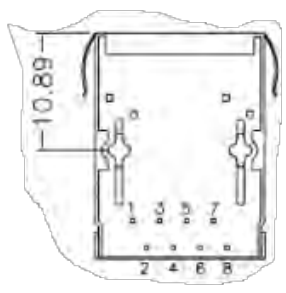
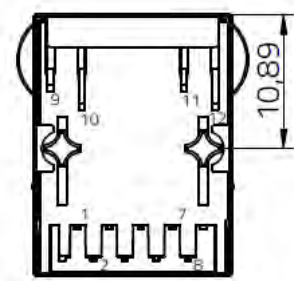
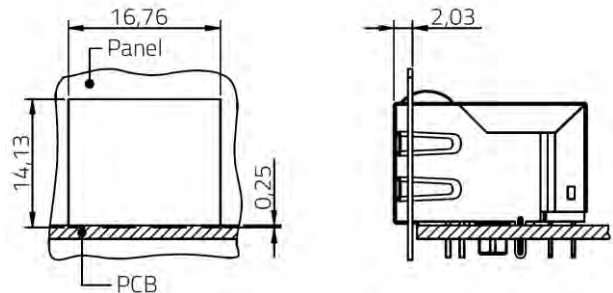
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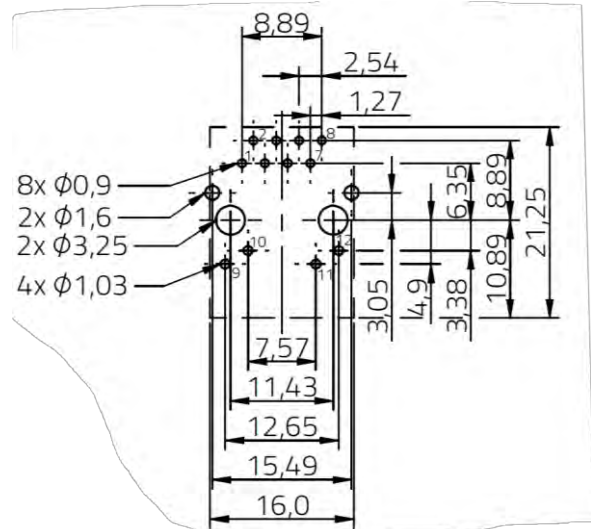
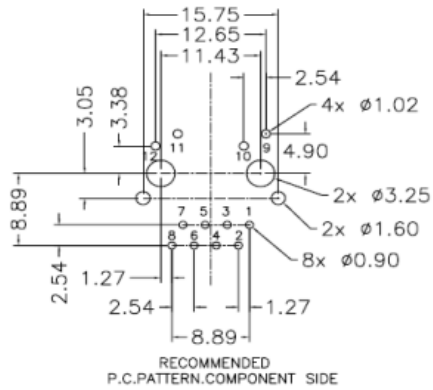
BEFORE CORRECTION



AFTER CORRECTION

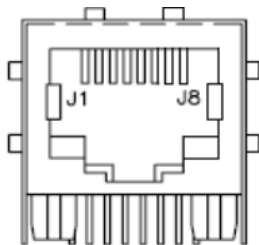


	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

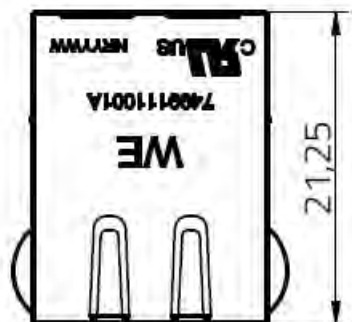
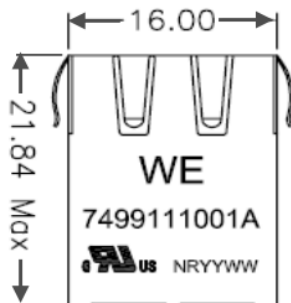
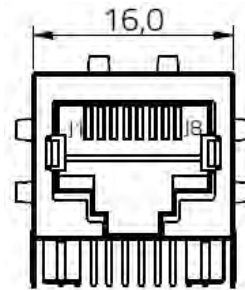


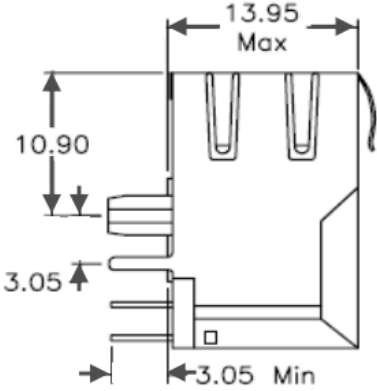
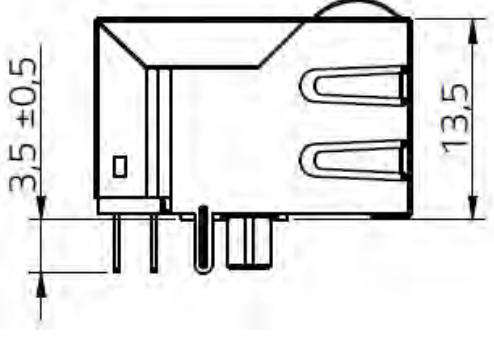
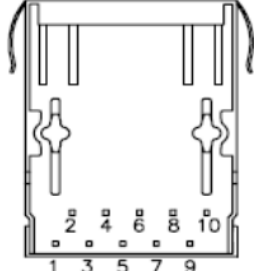
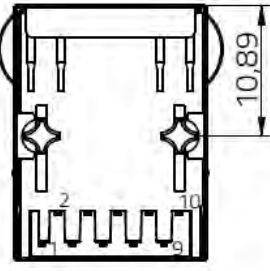
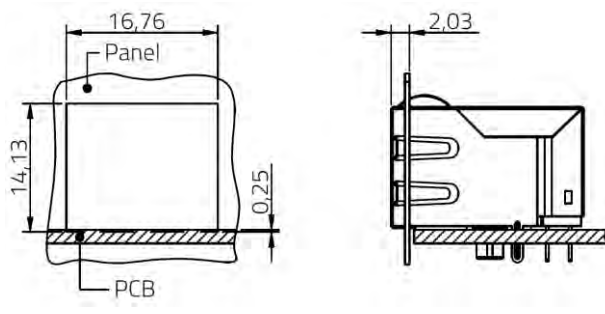
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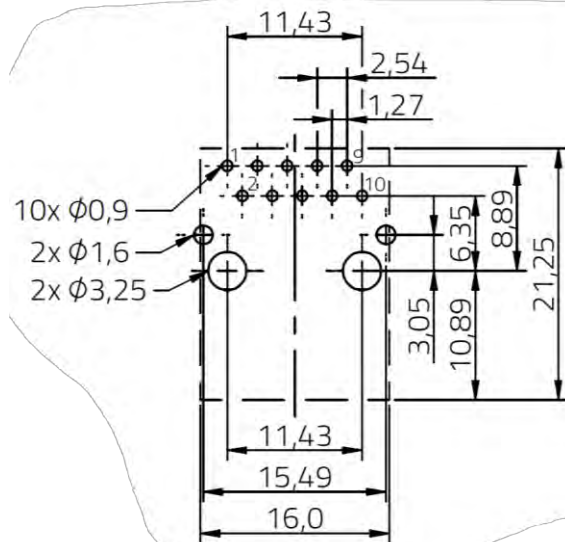
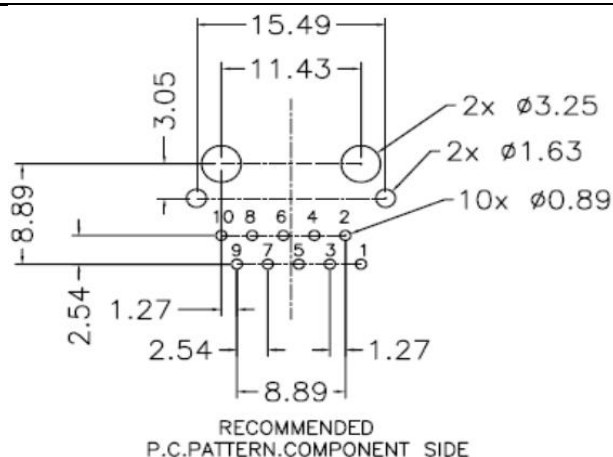
BEFORE CORRECTION



AFTER CORRECTION

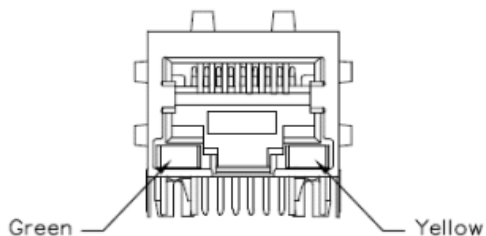


	
	
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

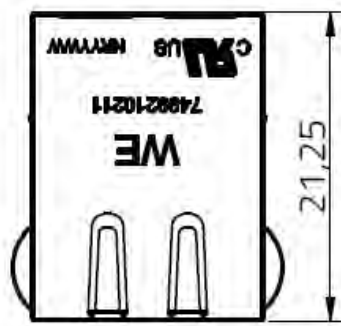
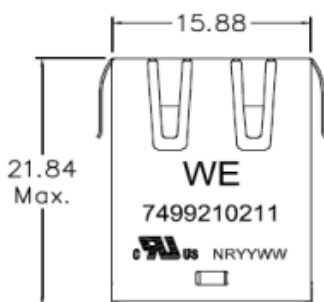
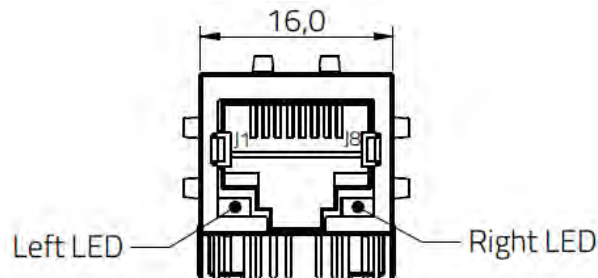


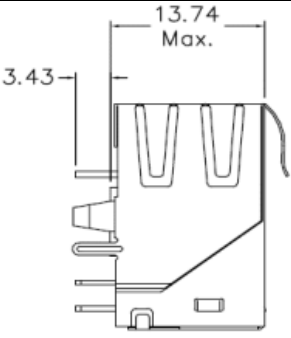
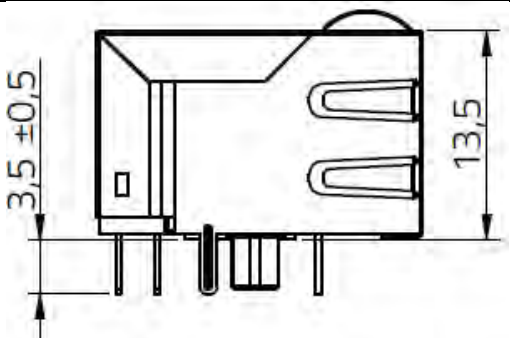
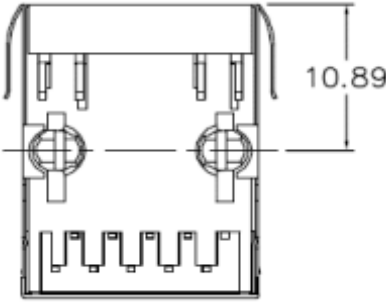
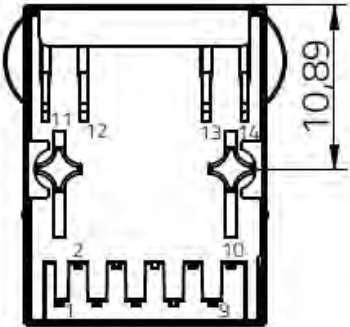
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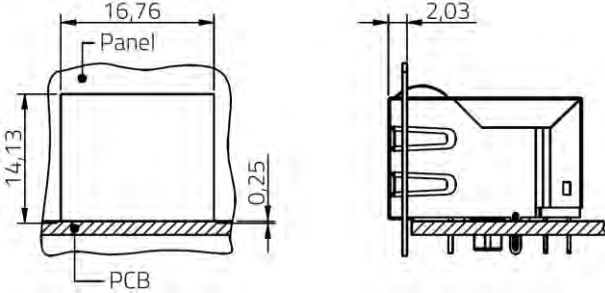
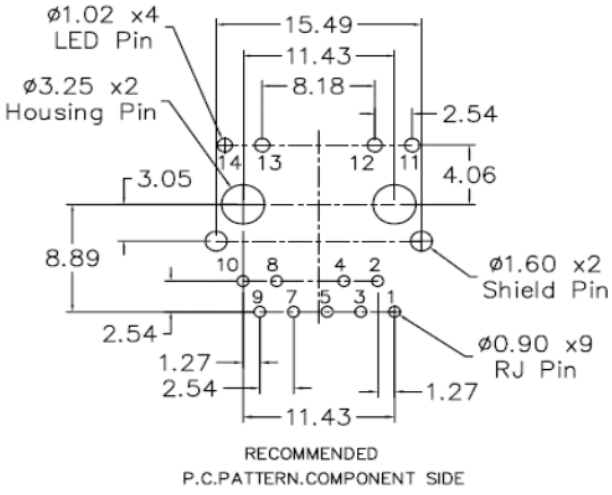
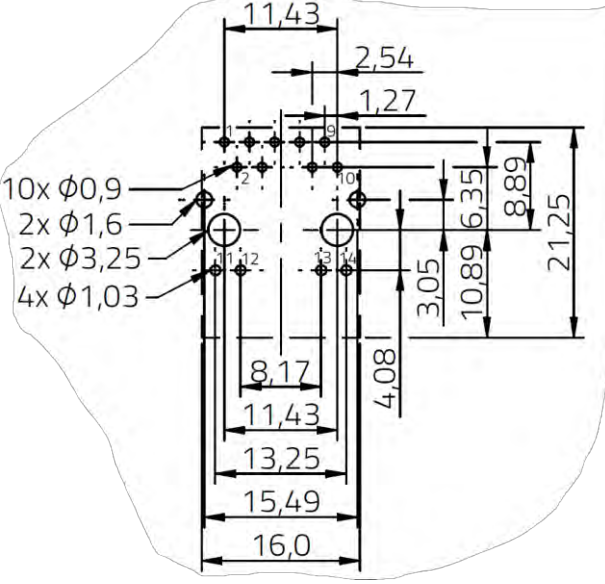
BEFORE CORRECTION



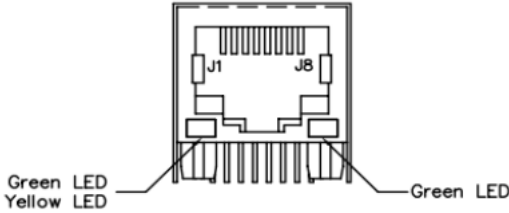
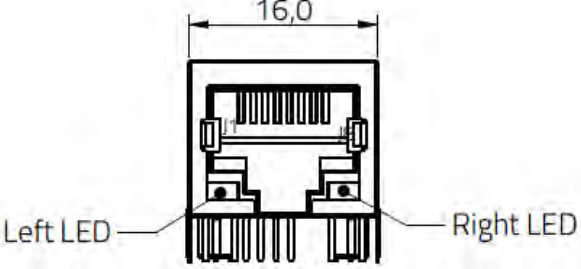
AFTER CORRECTION

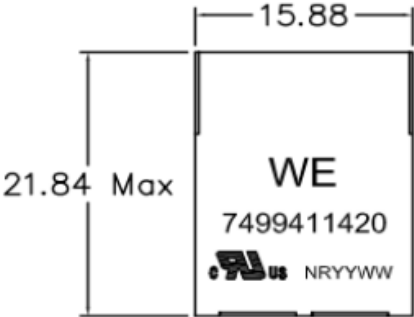
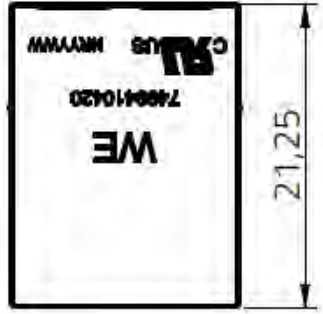
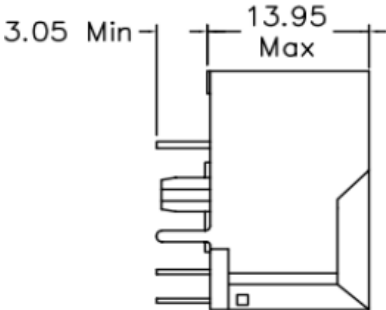
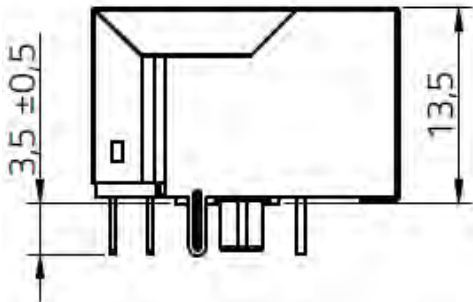
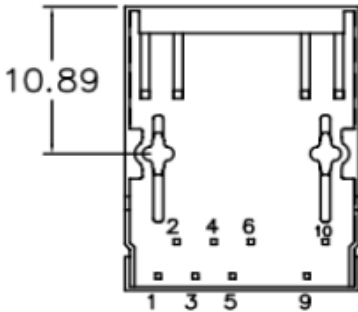
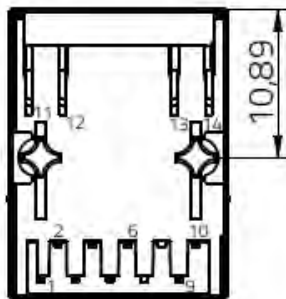


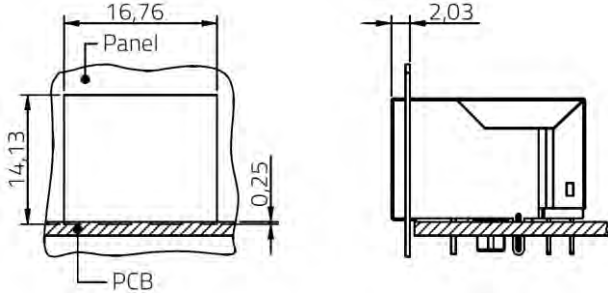
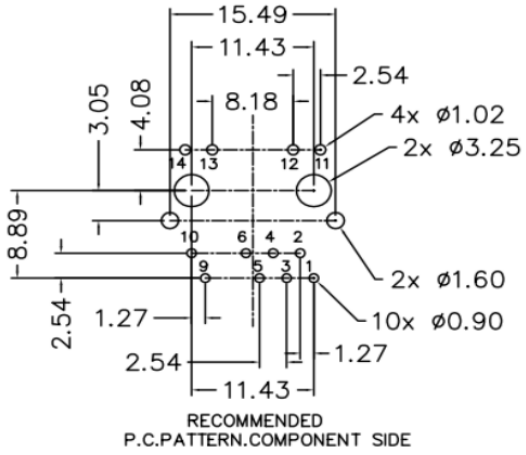
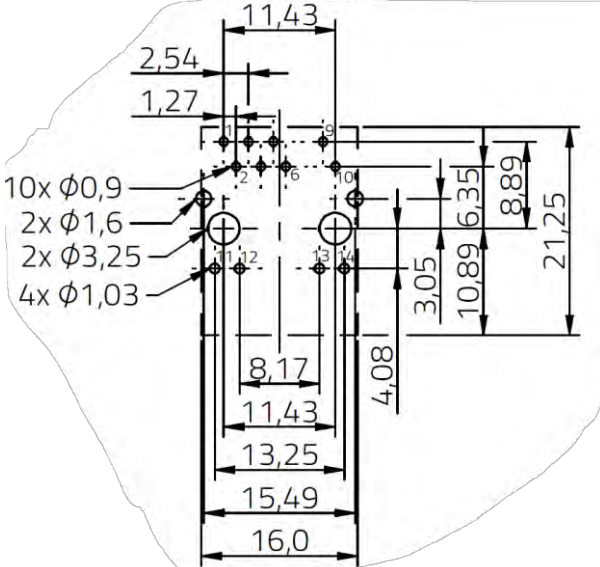
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

No panel cutout	
	

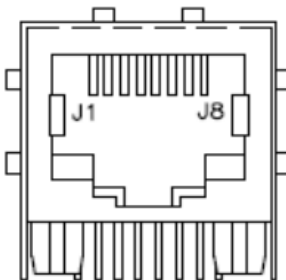
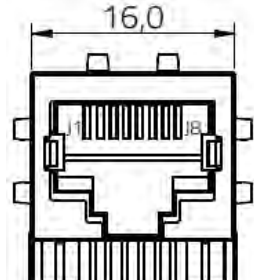
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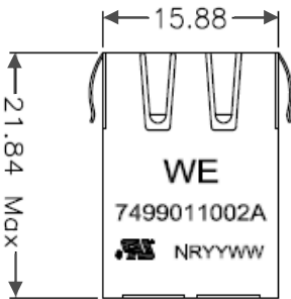
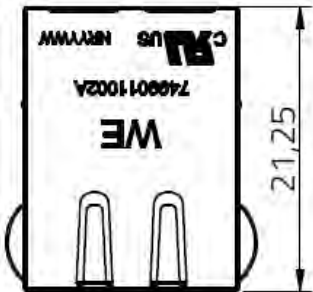
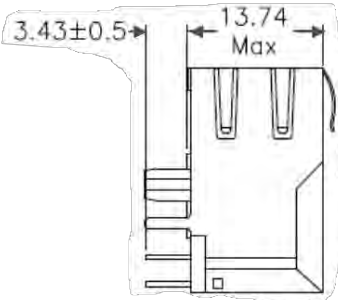
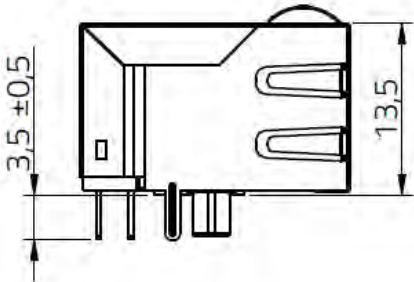
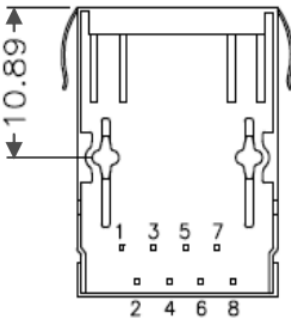
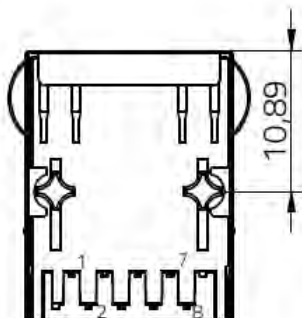
BEFORE CORRECTION	AFTER CORRECTION
	

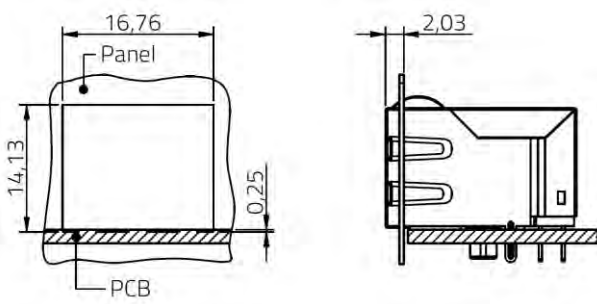
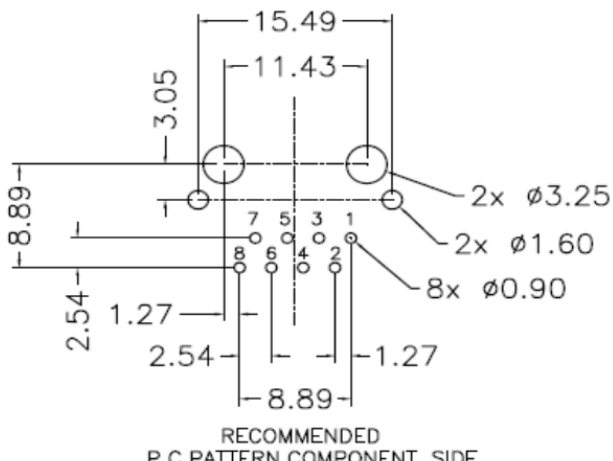
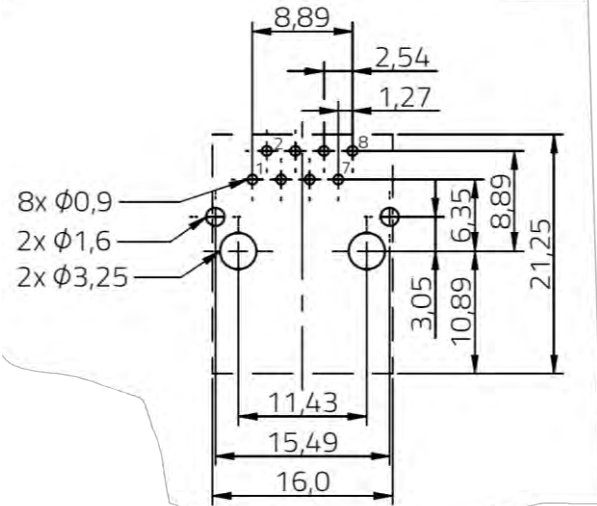
	
	
	
Return Loss: 0,5-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 0,5-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz

Crosstalk: 0,5-40 MHz 40-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
	

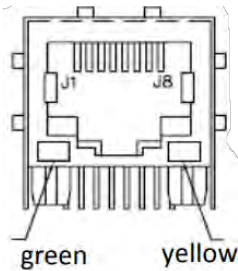
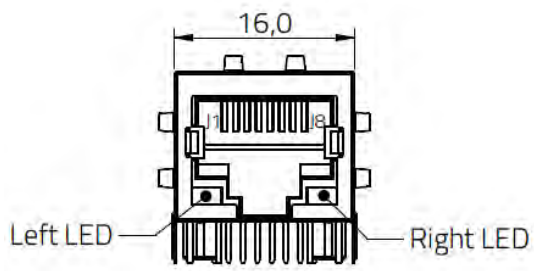
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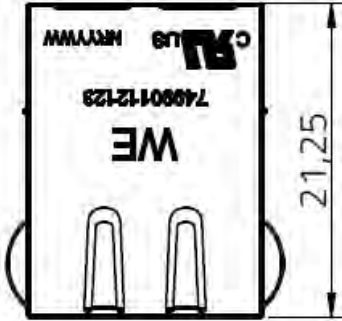
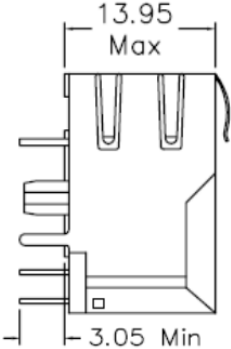
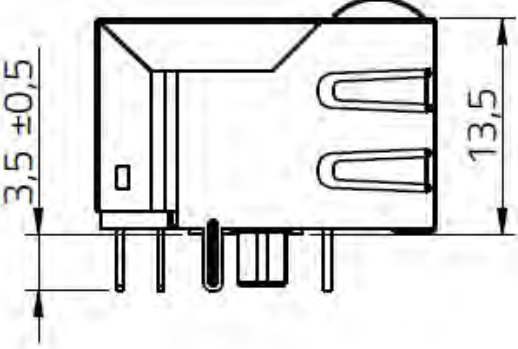
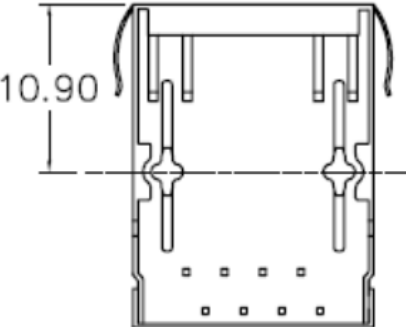
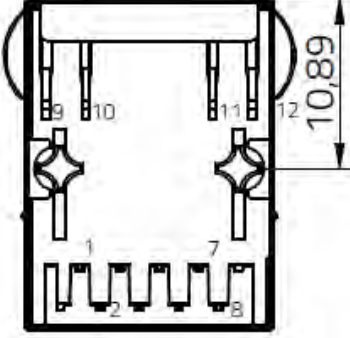
BEFORE CORRECTION	AFTER CORRECTION
	

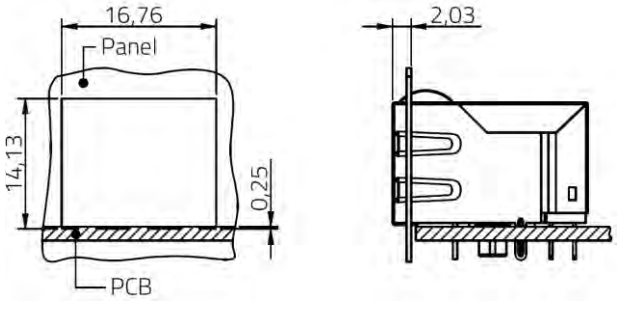
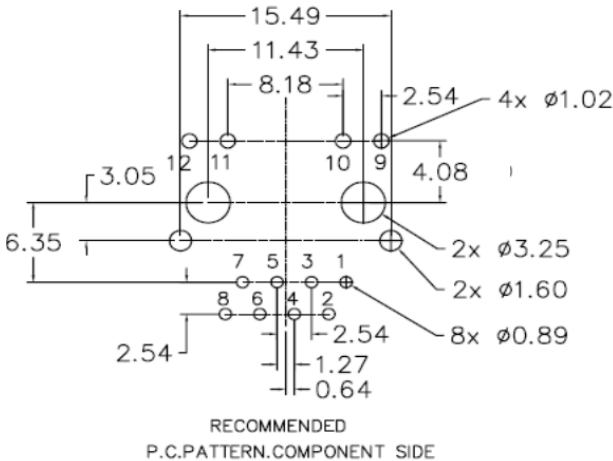
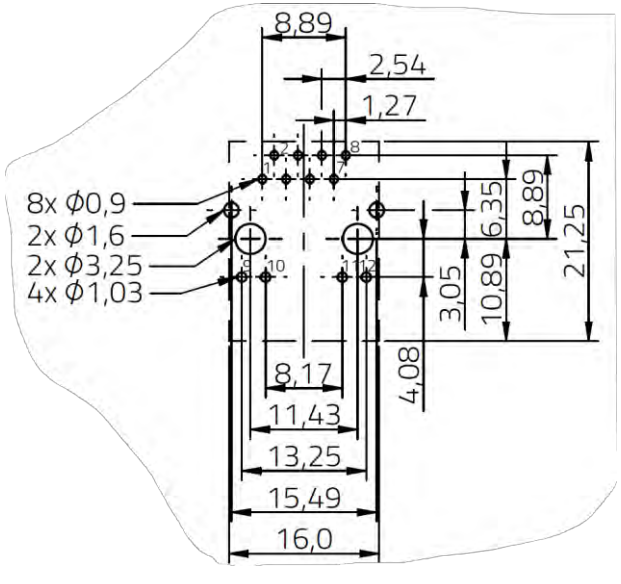
	
	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz

Crosstalk: 1-30 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
	

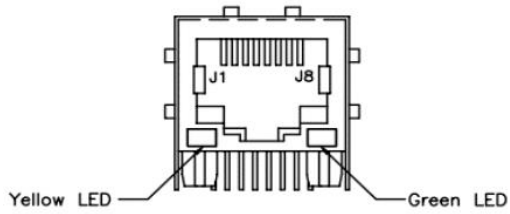
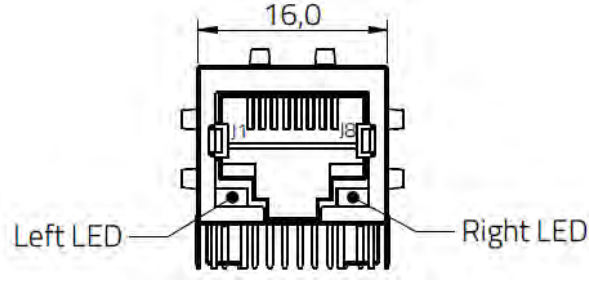
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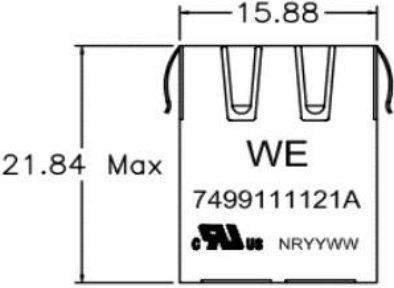
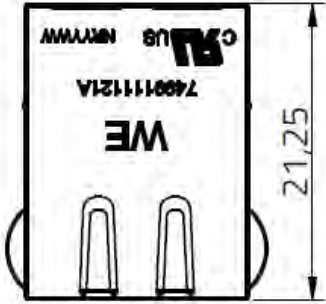
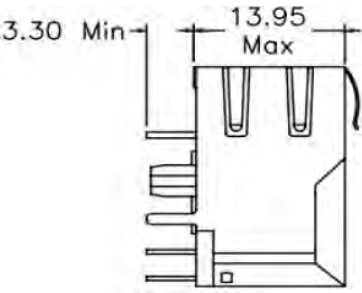
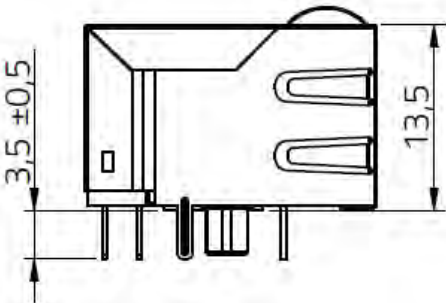
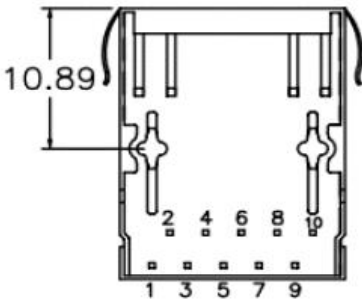
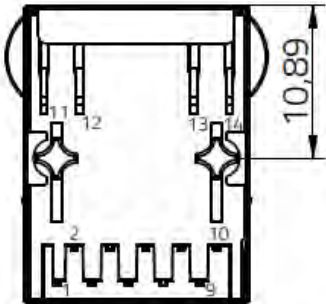
BEFORE CORRECTION	AFTER CORRECTION
	

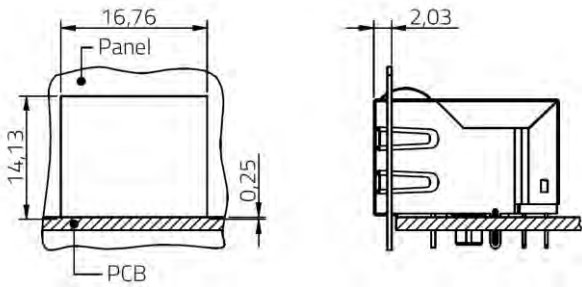
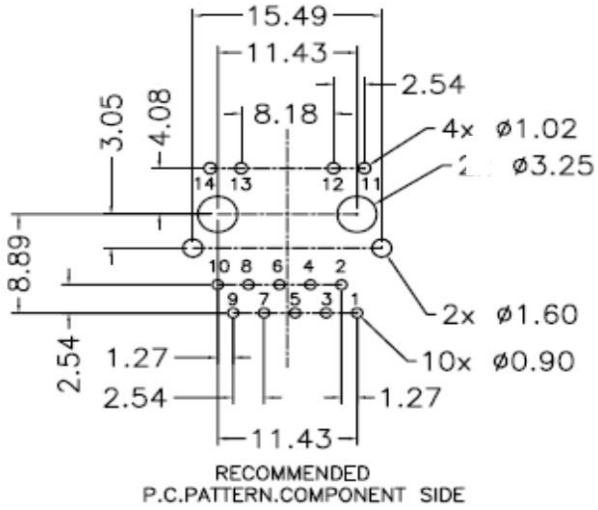
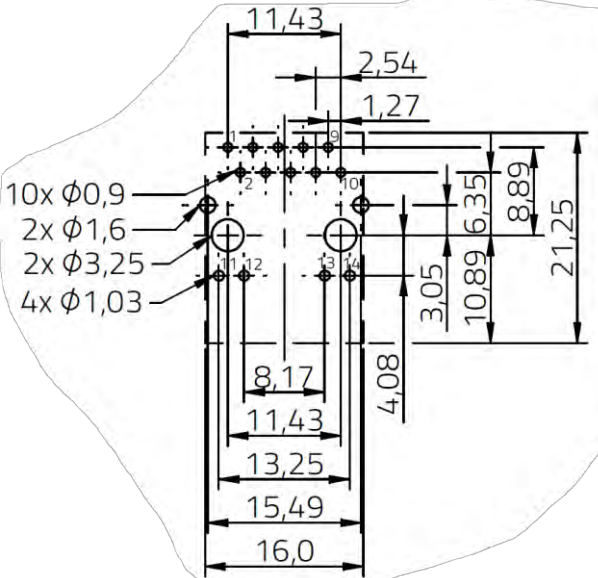
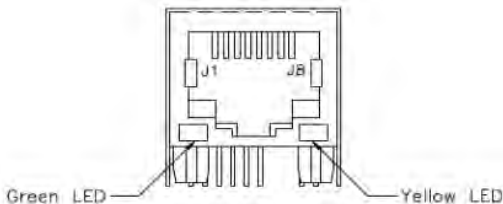
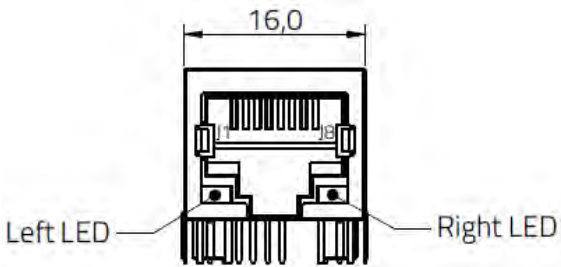
	
	
	
Return Loss: 1-30 MHz 40 MHz 50 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz

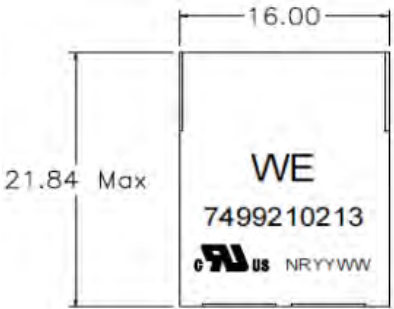
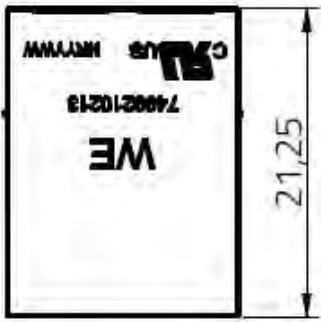
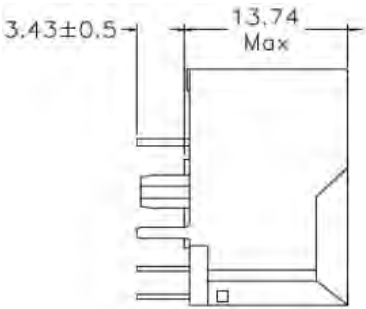
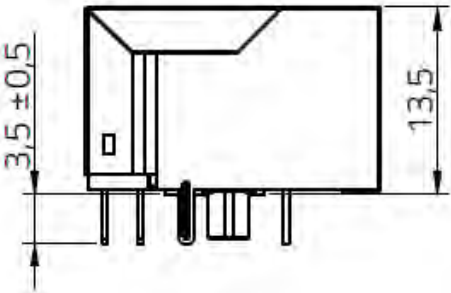
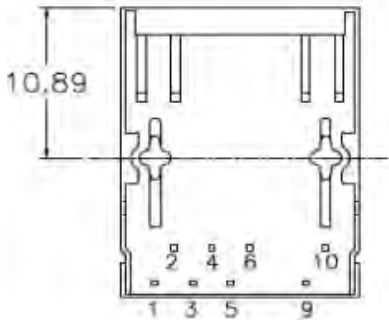
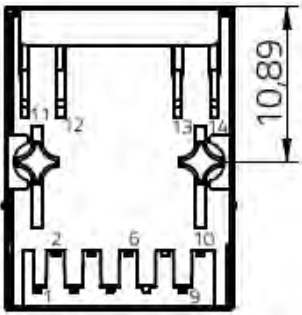
Crosstalk: 60-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
	

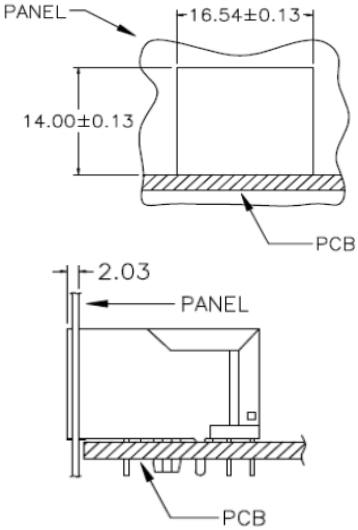
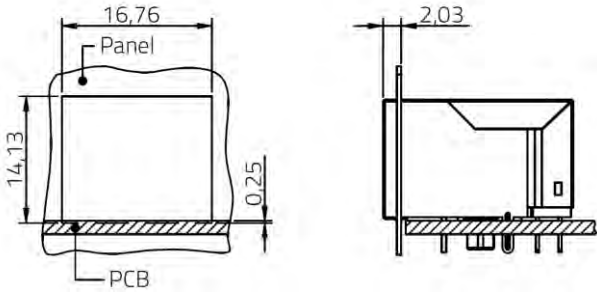
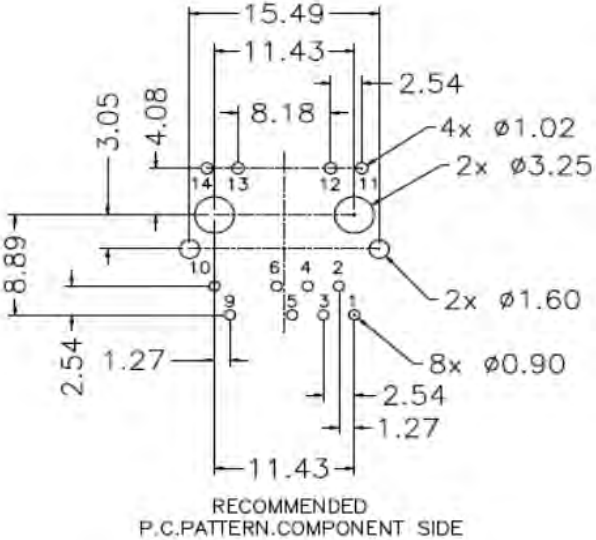
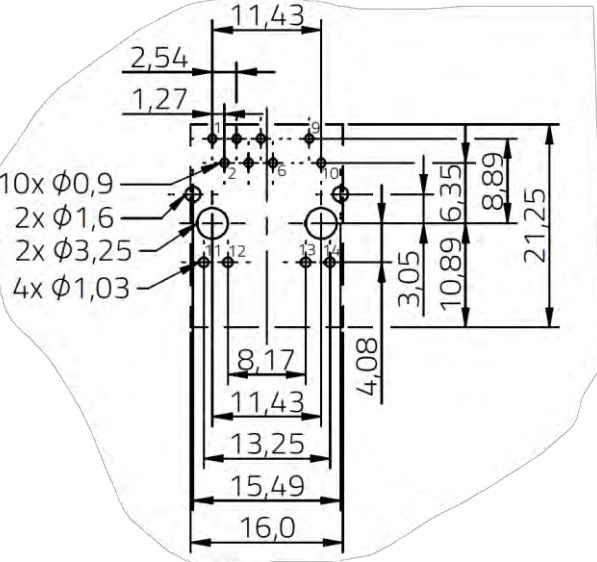
7499111121A:

BEFORE CORRECTION	AFTER CORRECTION
	

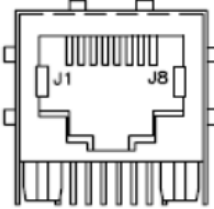
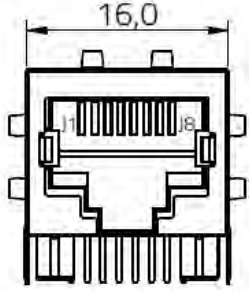
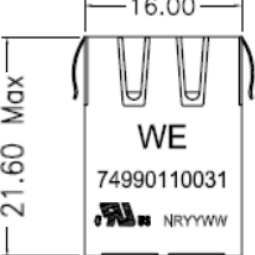
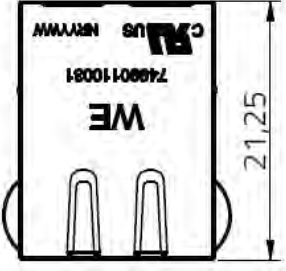
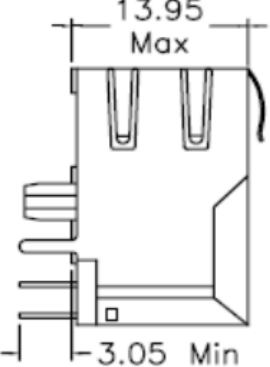
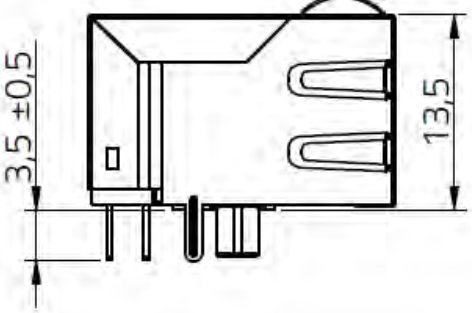
	
	
	
Return Loss: 1-30 MHz 40-60 MHz 80-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-60 MHz 60-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz

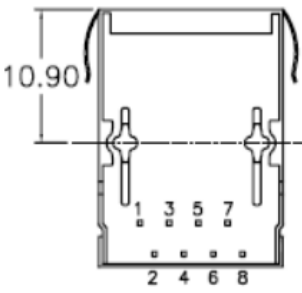
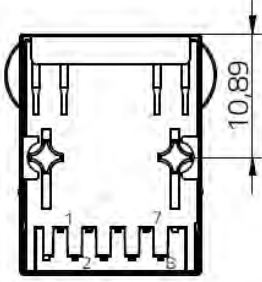
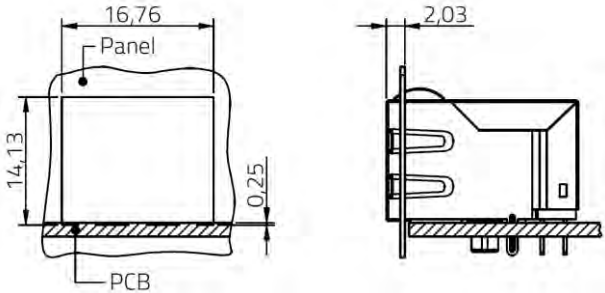
Crosstalk: 1-10 MHz 15-60 MHz 60-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
	
7499210213:	
BEFORE CORRECTION 	AFTER CORRECTION 

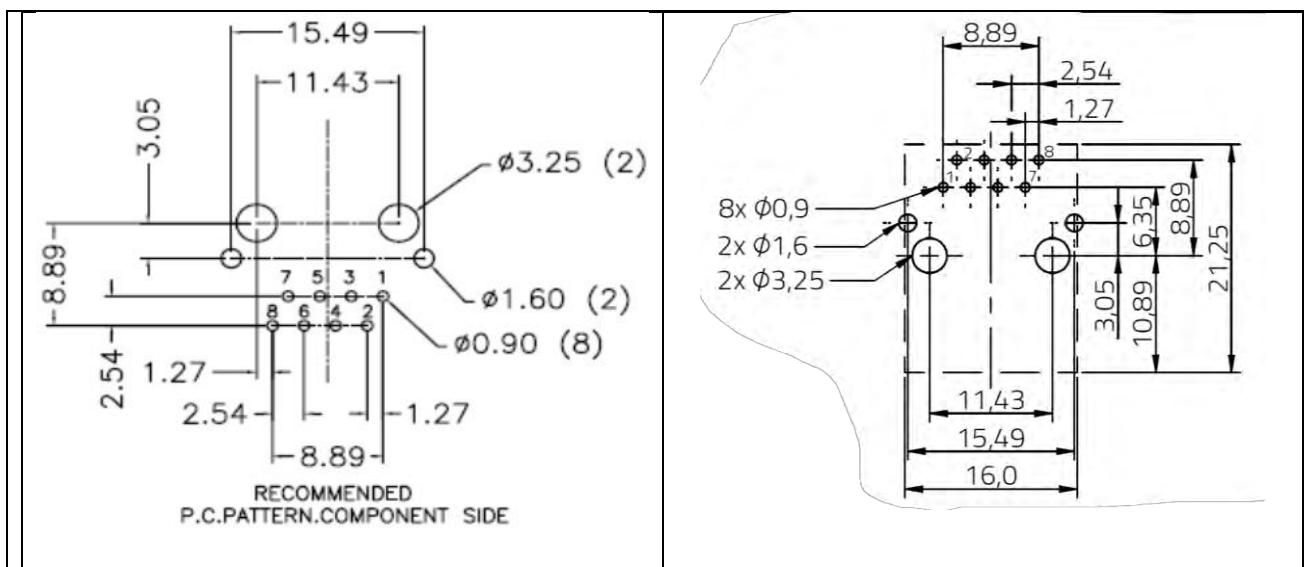
	
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz

Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
	
	

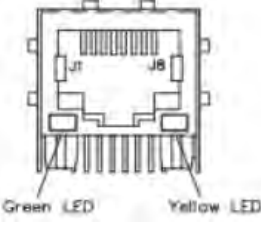
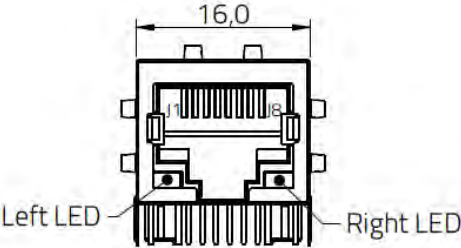
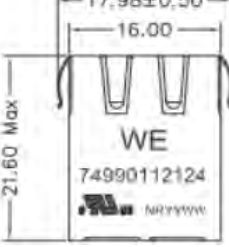
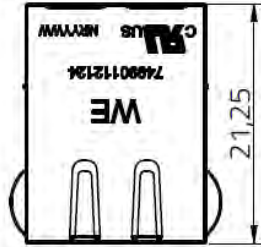
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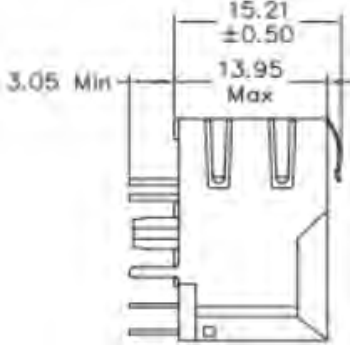
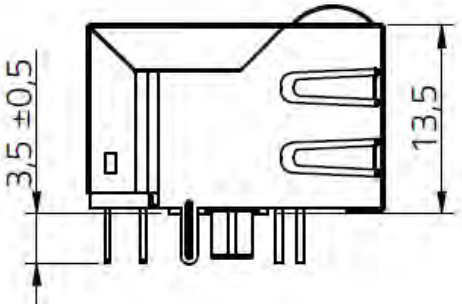
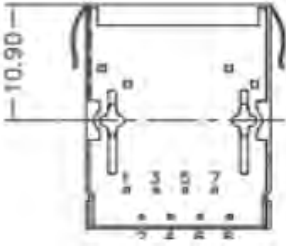
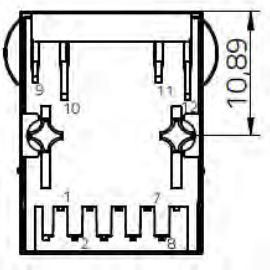
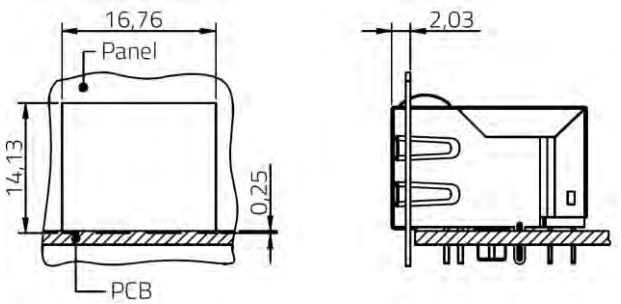
BEFORE CORRECTION	AFTER CORRECTION
	
	
	

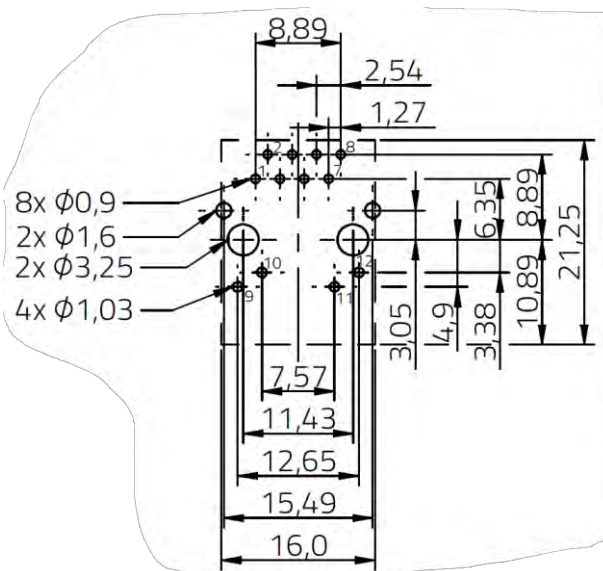
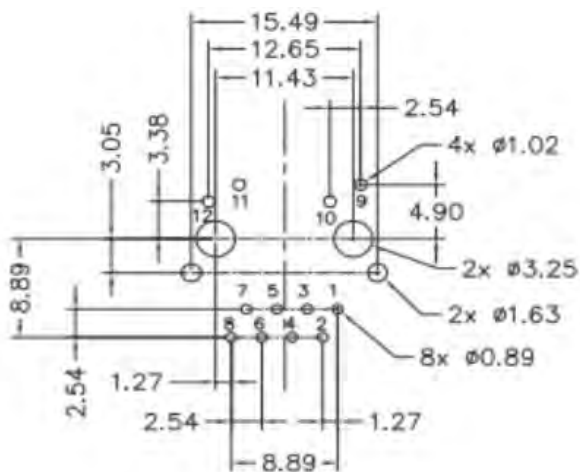
	
Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	



74990112124:

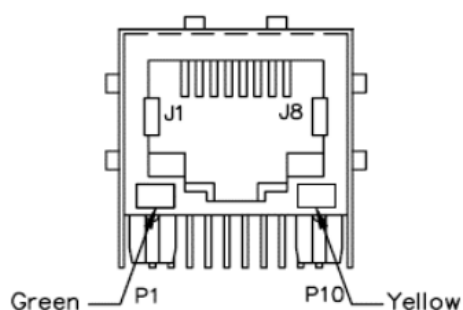
BEFORE CORRECTION	AFTER CORRECTION
	
	

	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

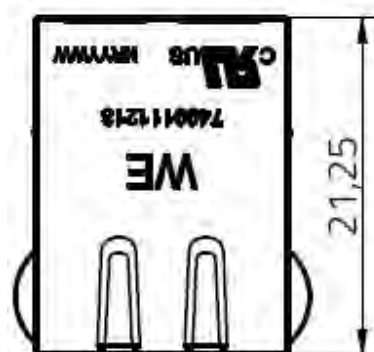
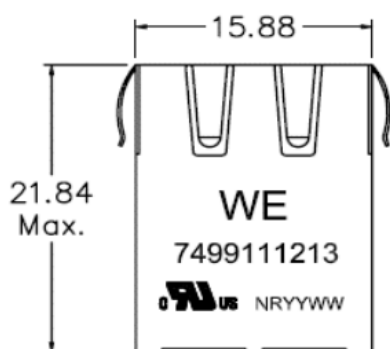
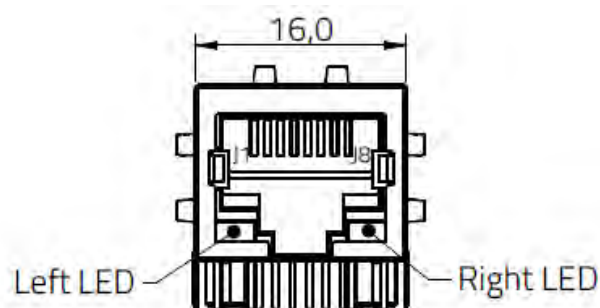


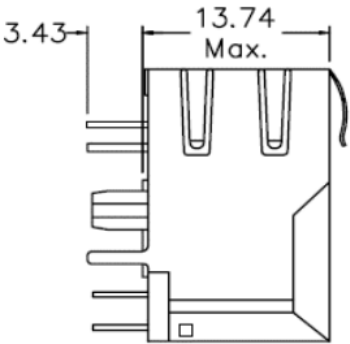
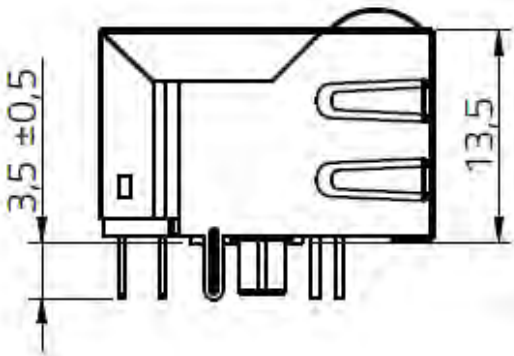
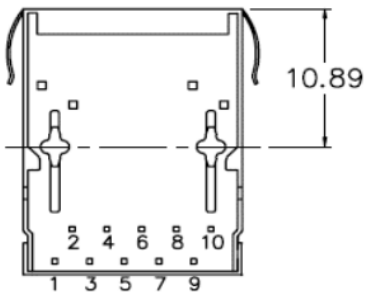
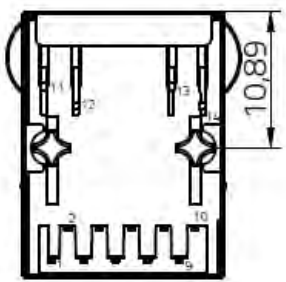
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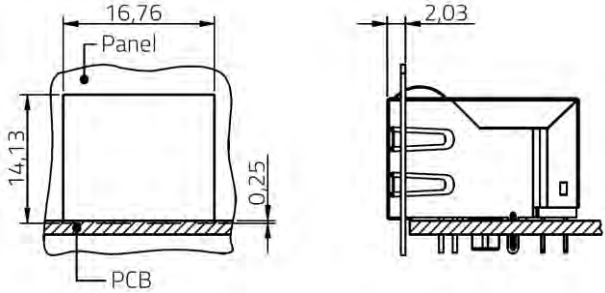
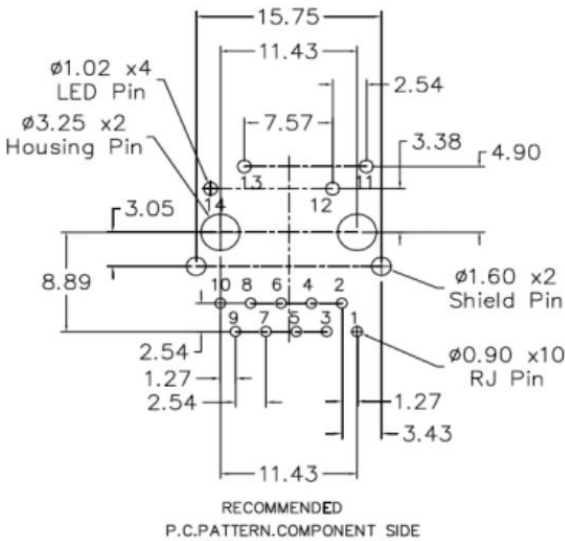
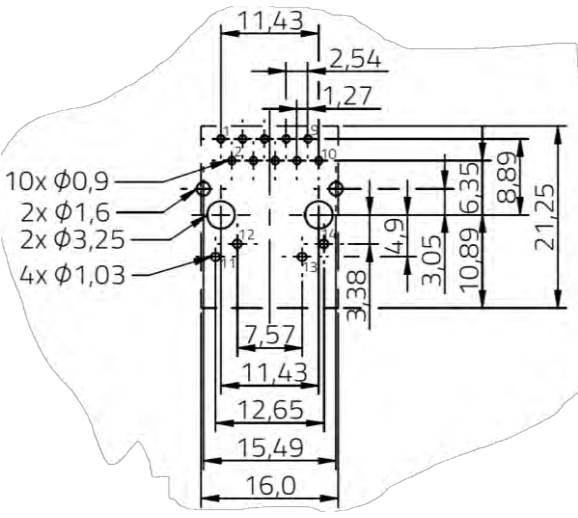
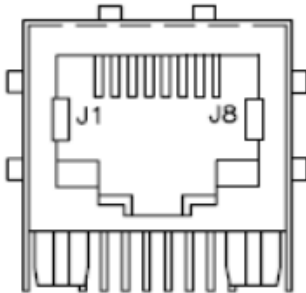
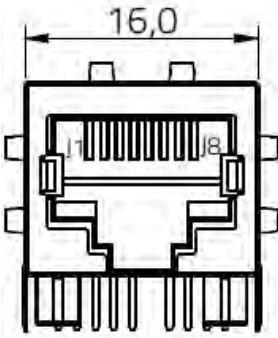
BEFORE CORRECTION

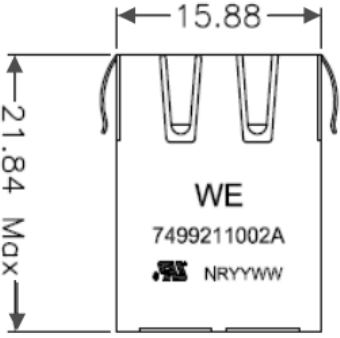
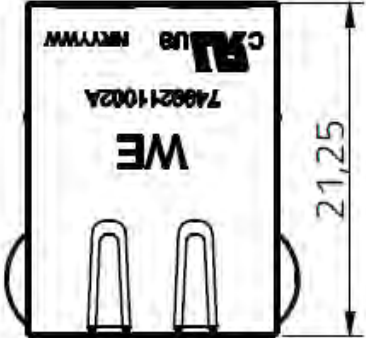
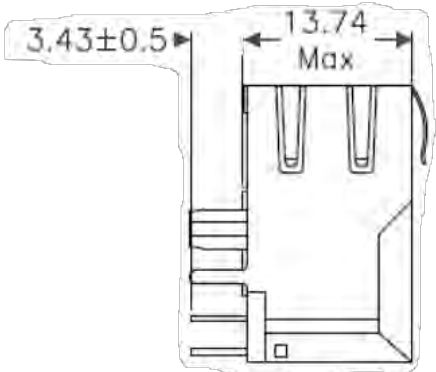
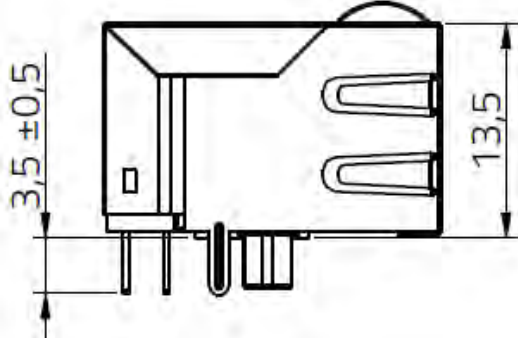
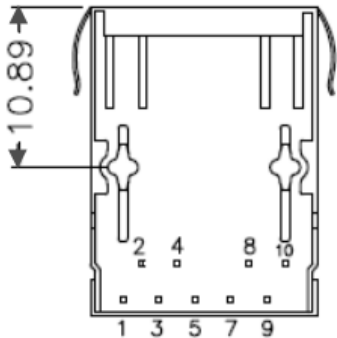
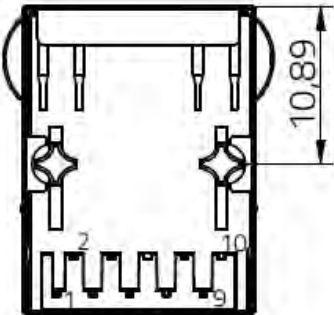


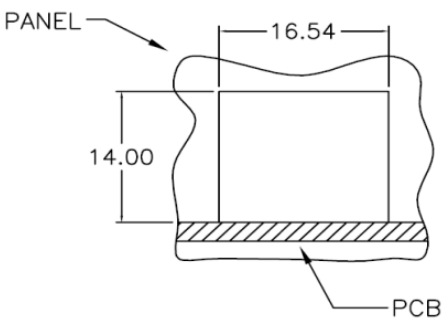
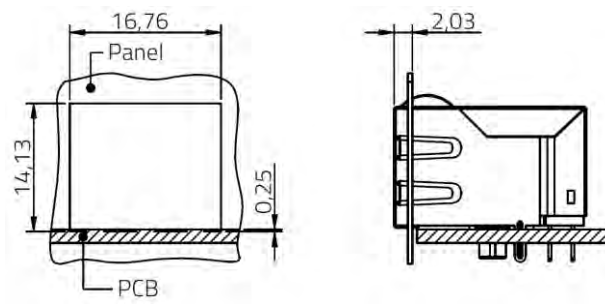
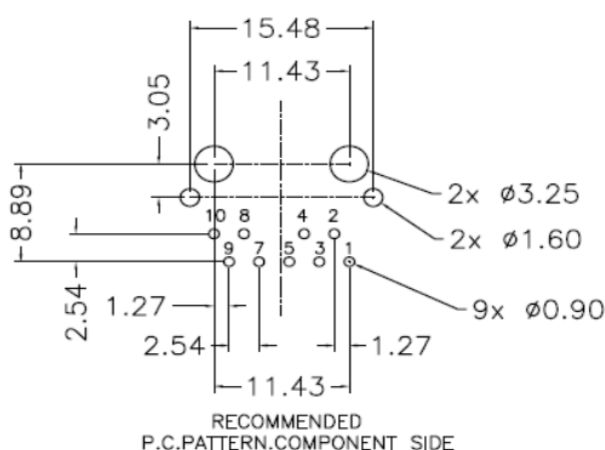
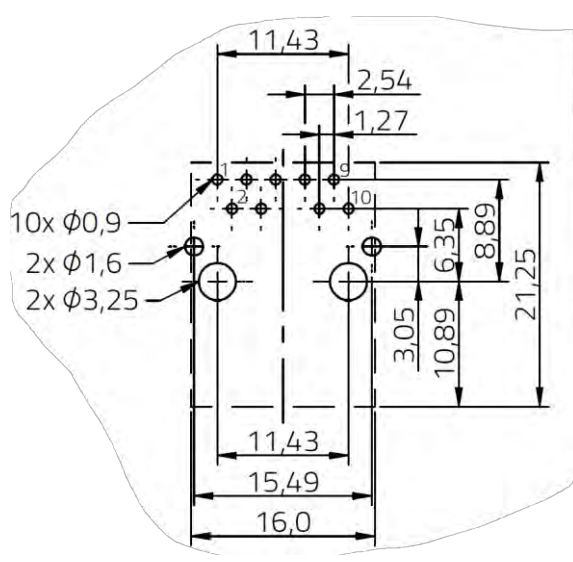
AFTER CORRECTION



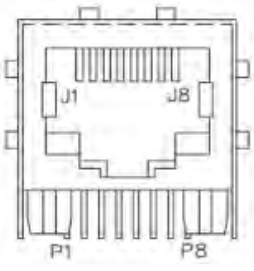
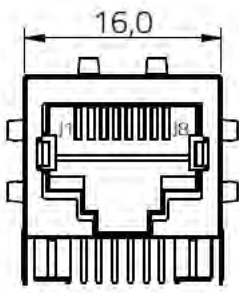
	
	
Return Loss: 1-40 MHz 40-60 MHz 60-80 MHz 80-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-30 MHz 30-60 MHz 60-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

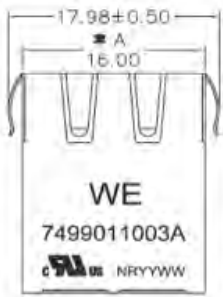
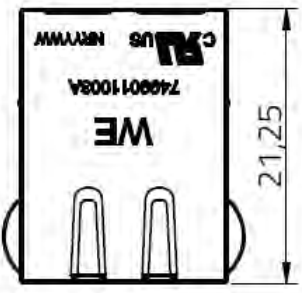
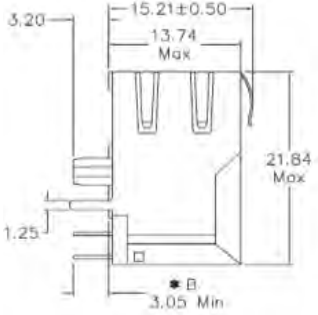
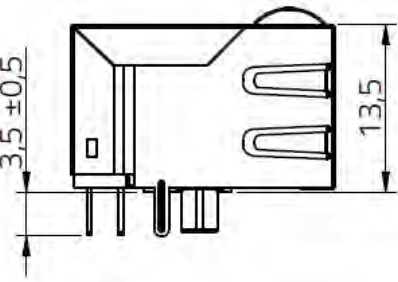
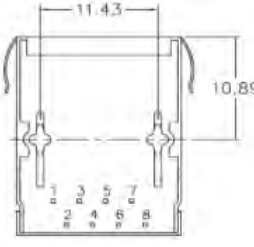
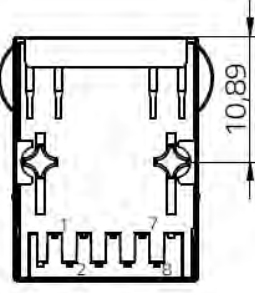
No panel cutout	
	
7499211002A:	
BEFORE CORRECTION 	AFTER CORRECTION 

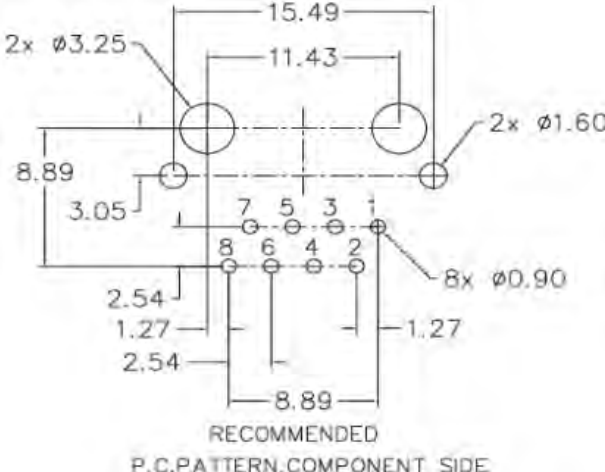
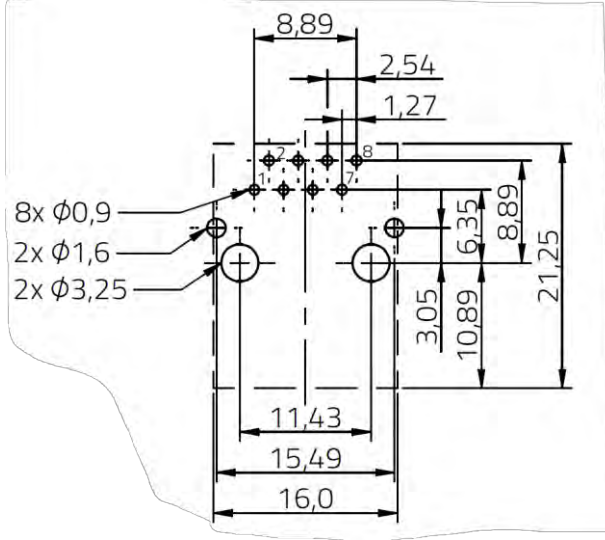
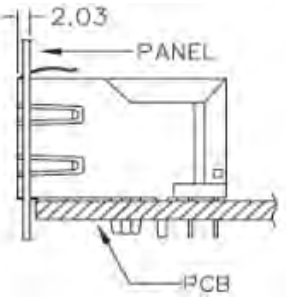
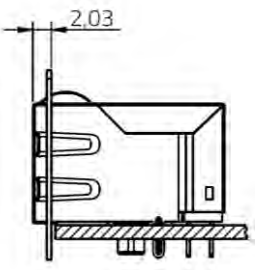
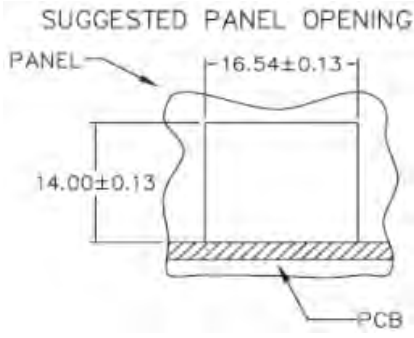
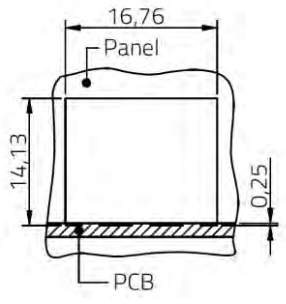
	
	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz

	60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
	
	

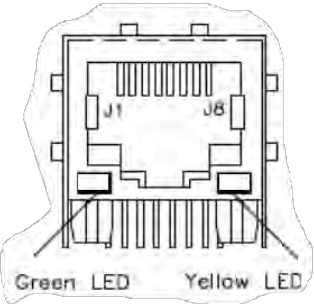
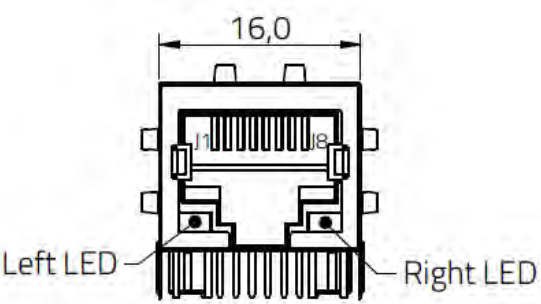
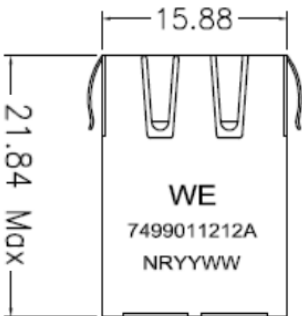
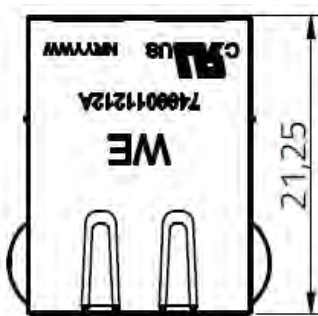
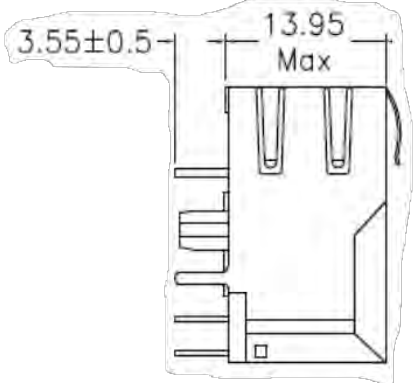
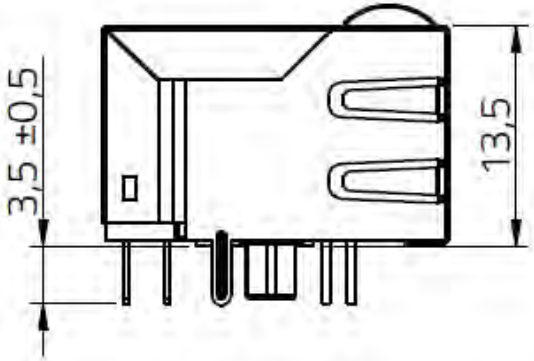
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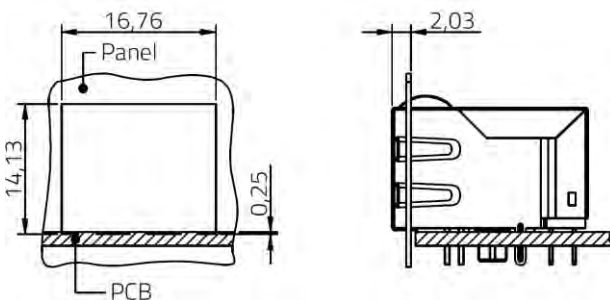
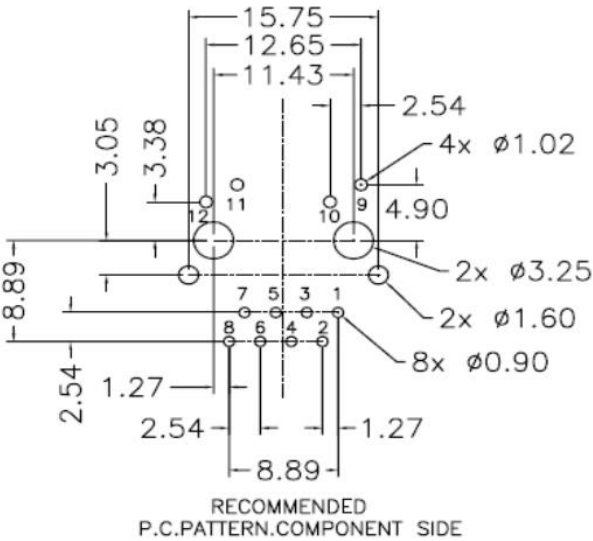
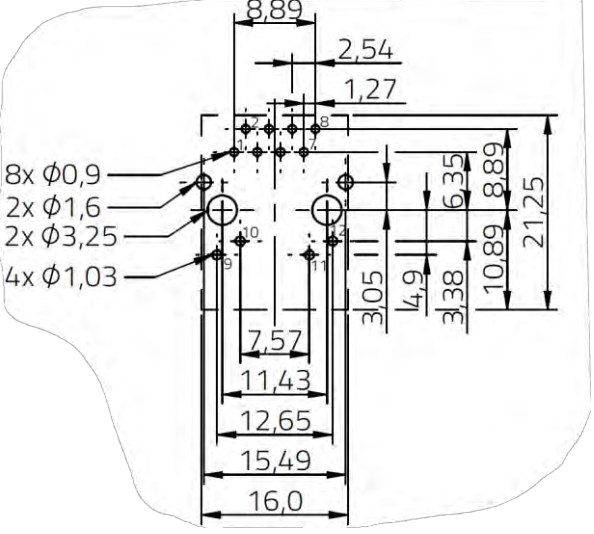
BEFORE CORRECTION	AFTER CORRECTION
	

	
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz

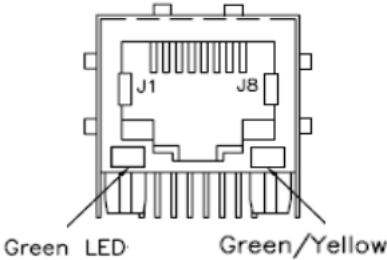
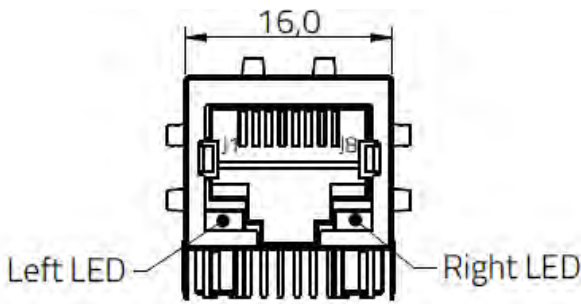
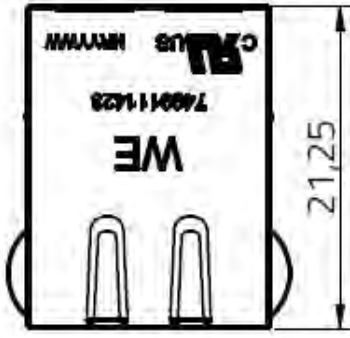
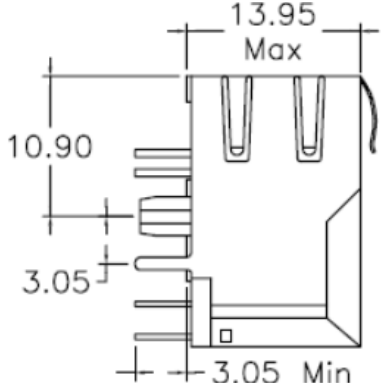
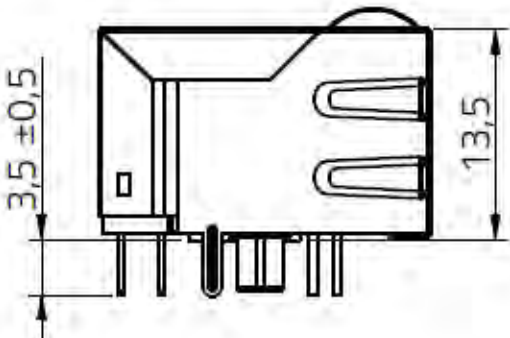
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
	
	
SUGGESTED PANEL OPENING 	

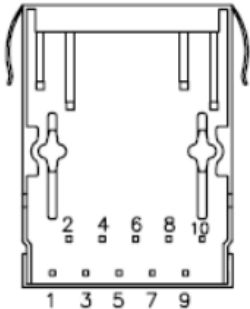
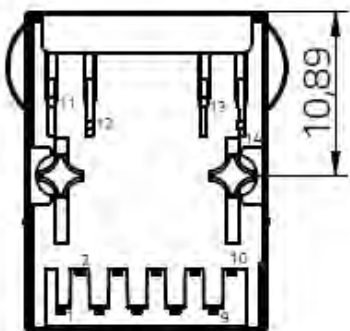
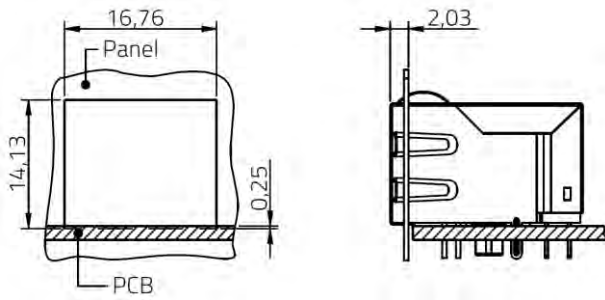
7499011212A:

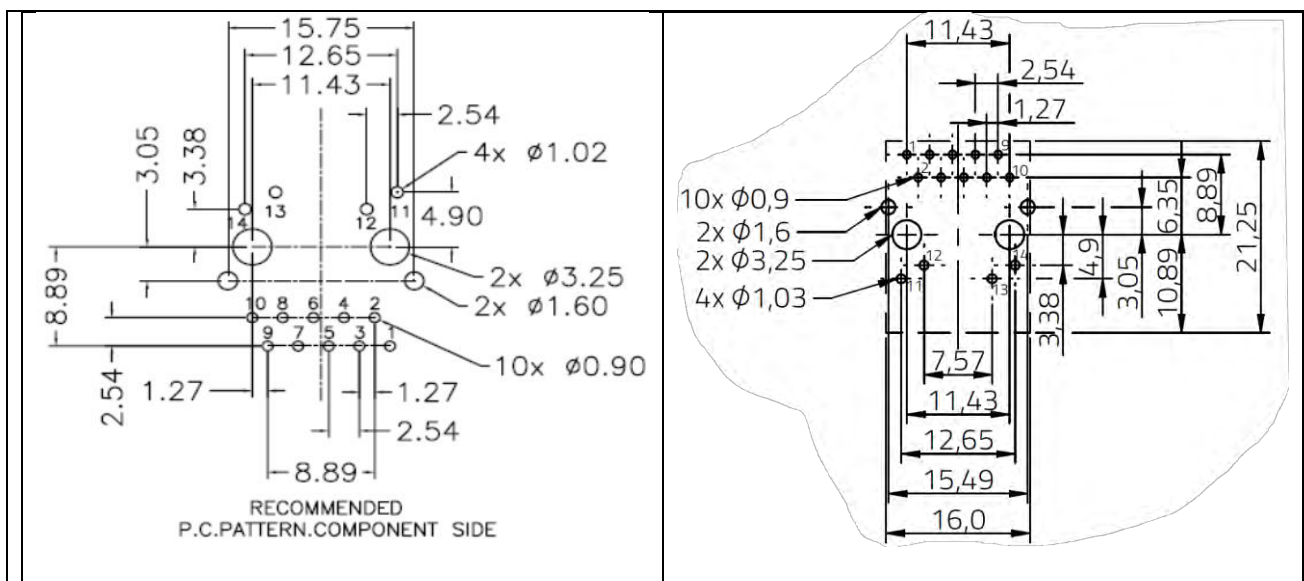
BEFORE CORRECTION	AFTER CORRECTION
	
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz

Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
	

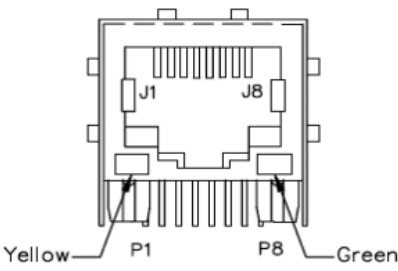
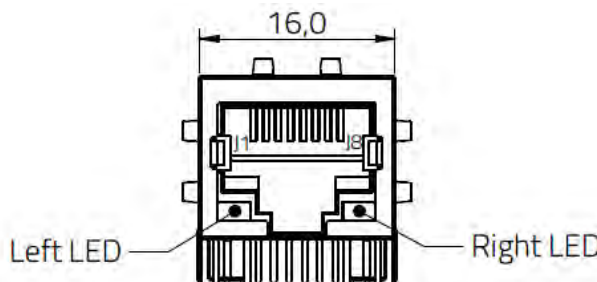
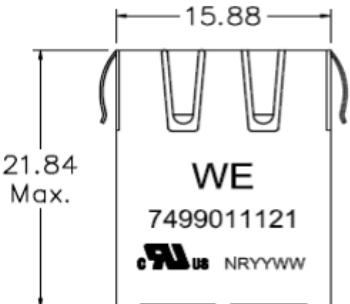
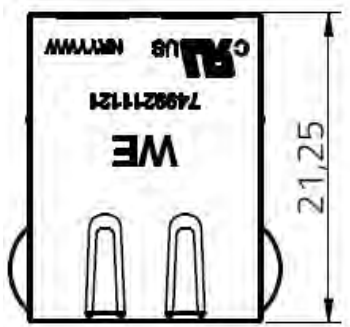
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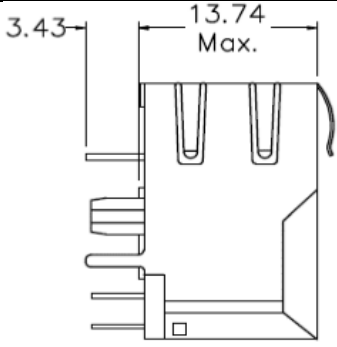
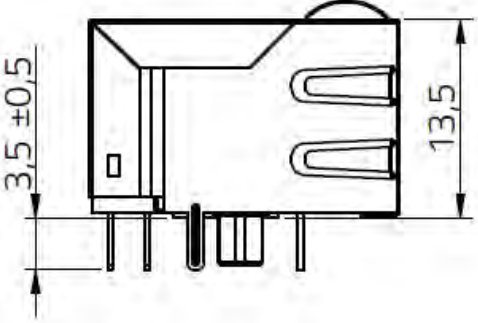
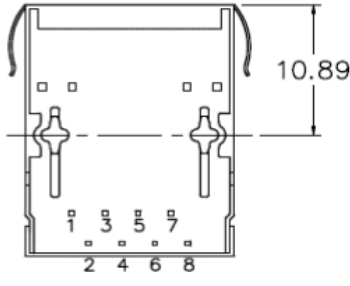
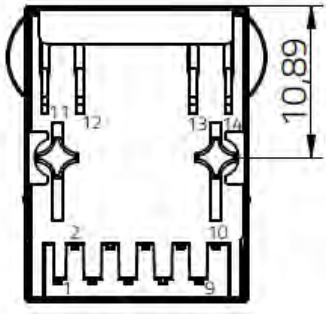
BEFORE CORRECTION	AFTER CORRECTION
	
	
	

	
Return Loss: 1-30 MHz 40 MHz 50 MHz 60-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

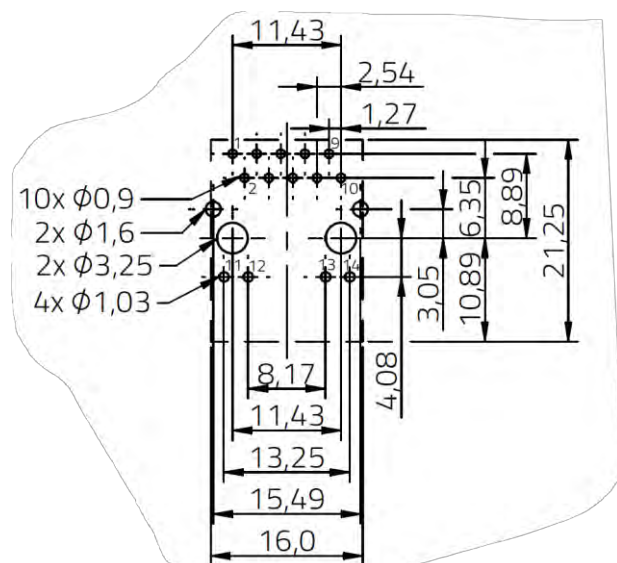
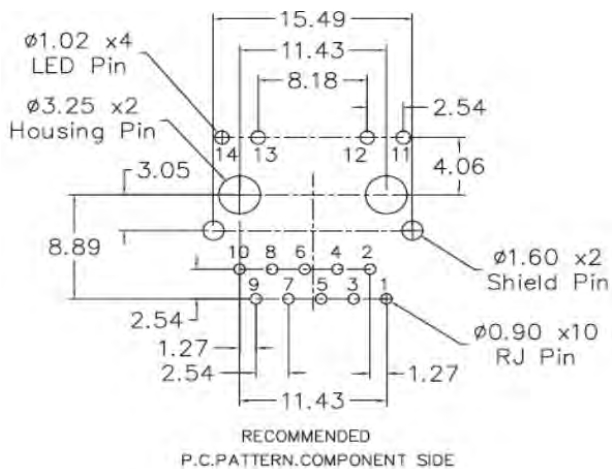
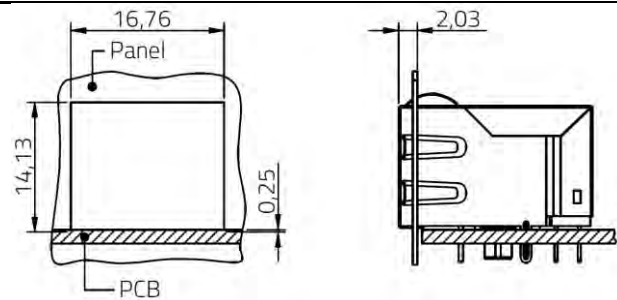
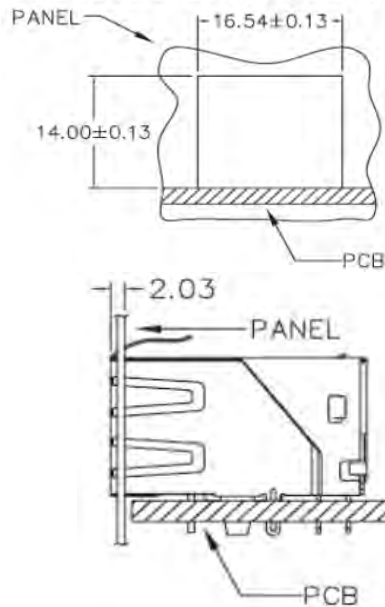


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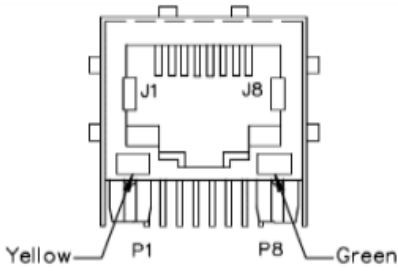
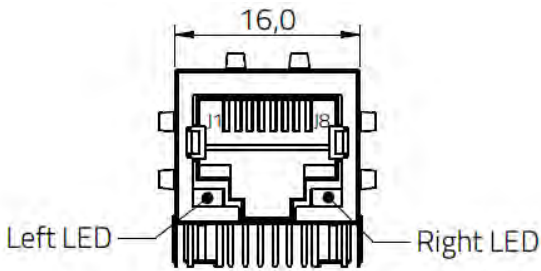
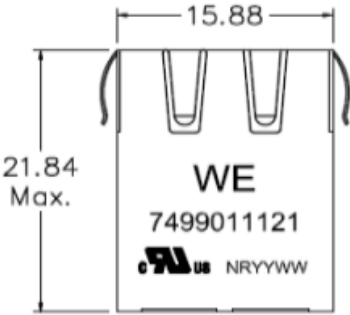
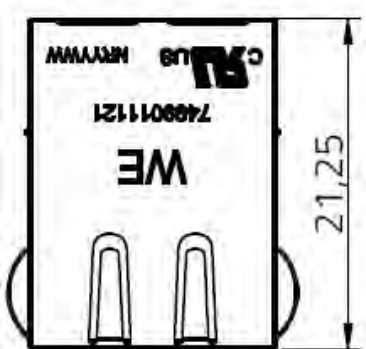
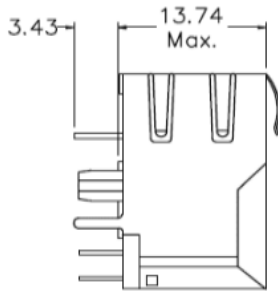
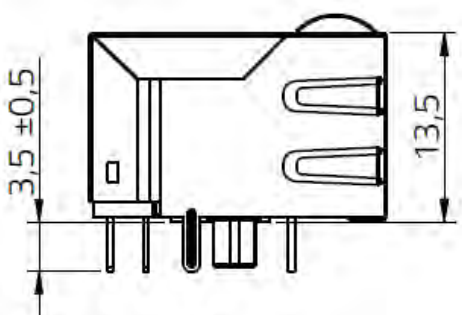
BEFORE CORRECTION	AFTER CORRECTION
	
	

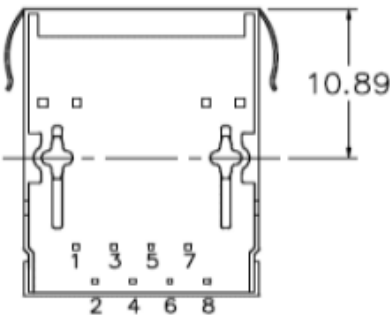
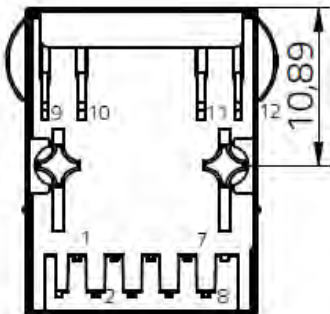
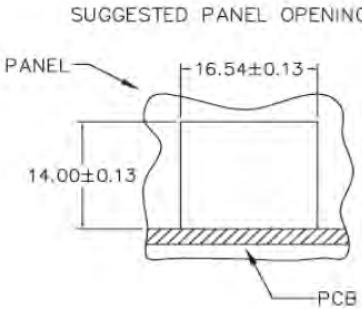
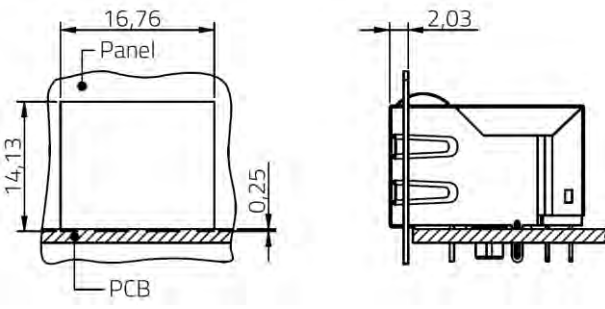
	
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

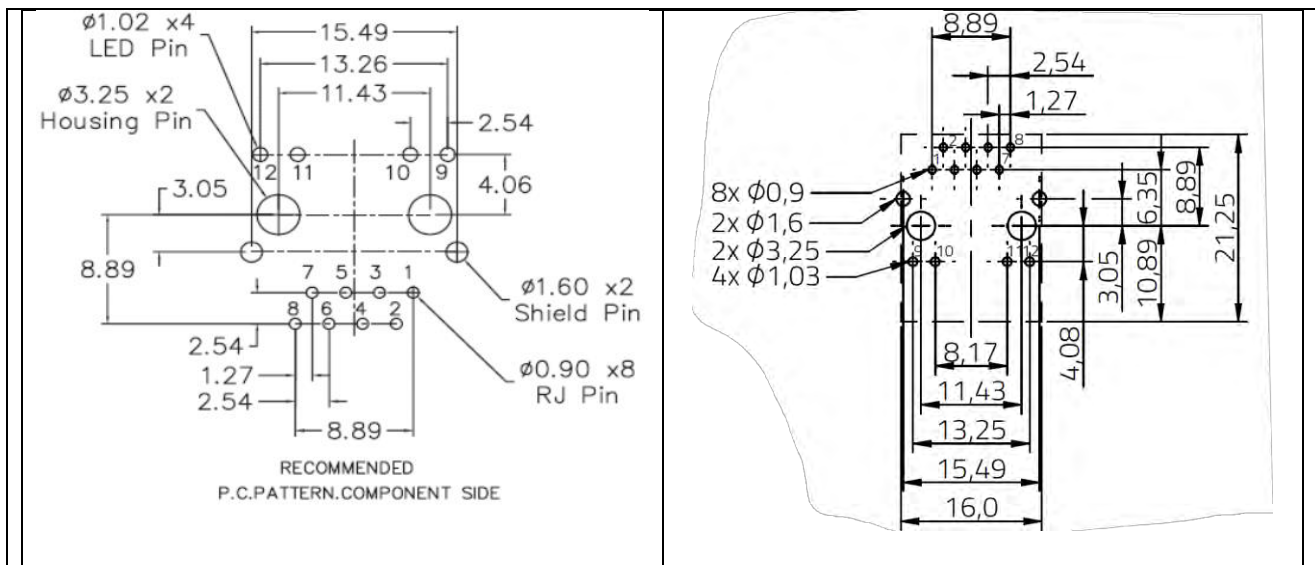
SUGGESTED PANEL OPENING



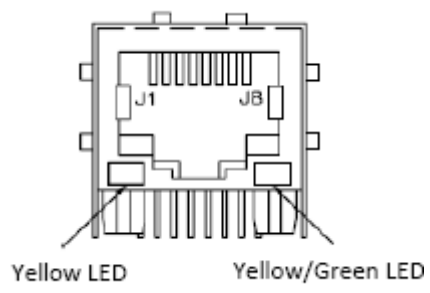
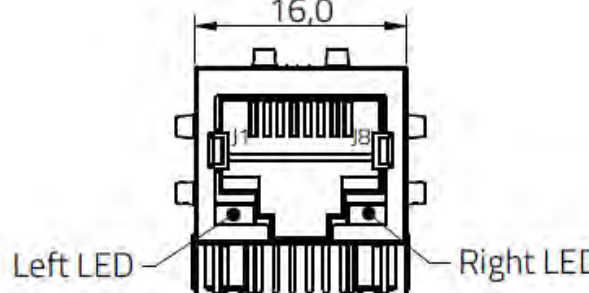
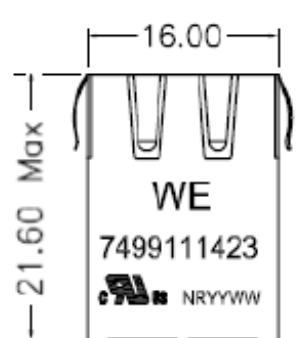
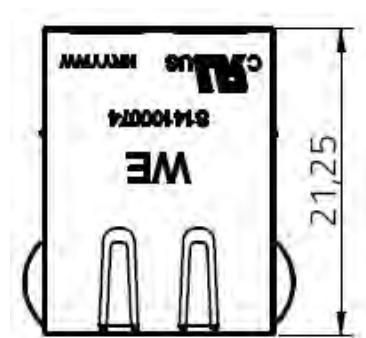
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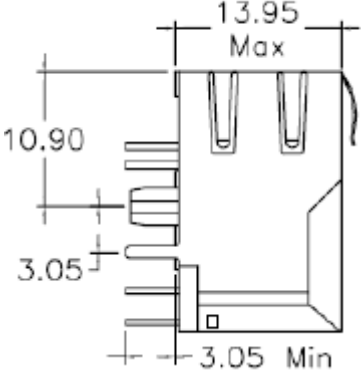
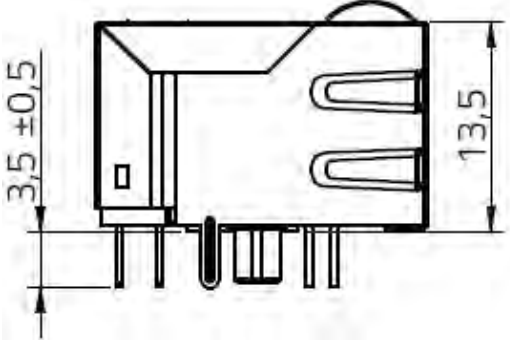
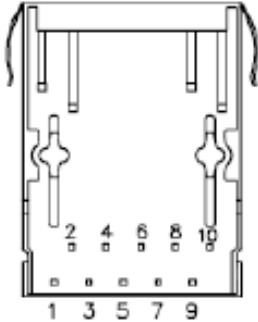
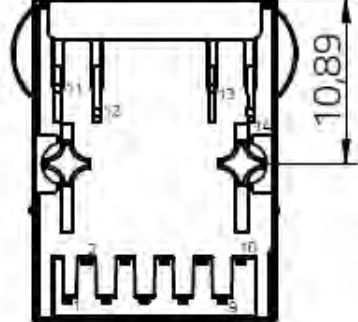
BEFORE CORRECTION	AFTER CORRECTION
	
	
	

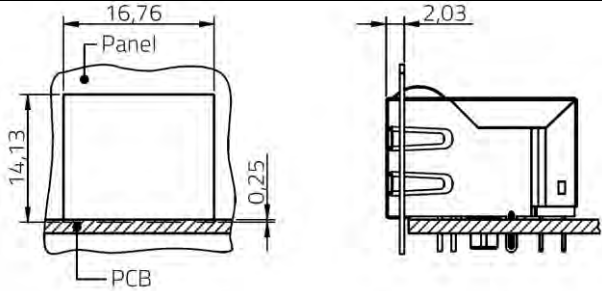
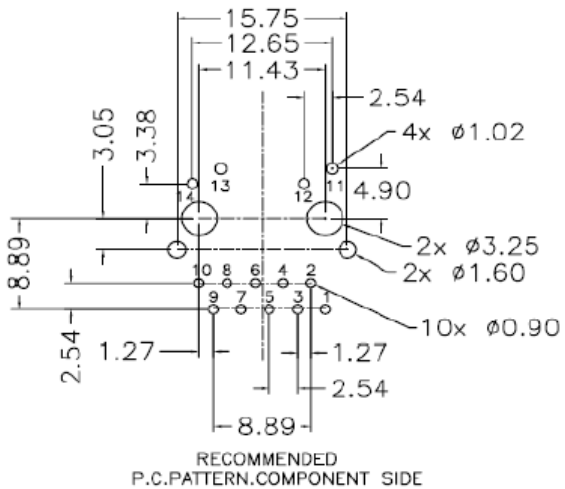
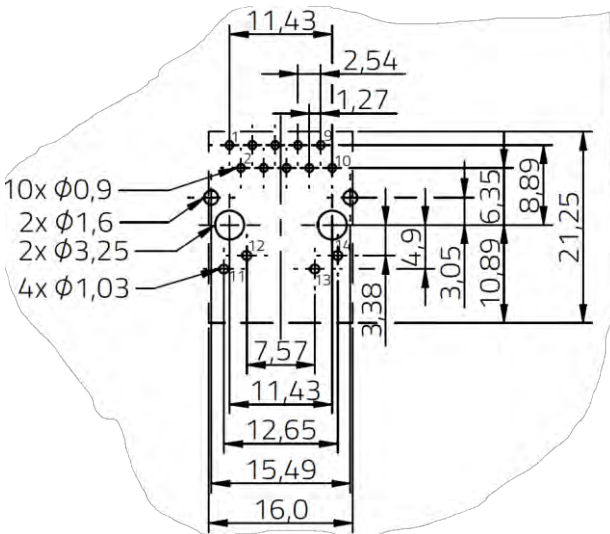
	
Return Loss: 1-30 MHz 30-45 MHz 45-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
SUGGESTED PANEL OPENING 	



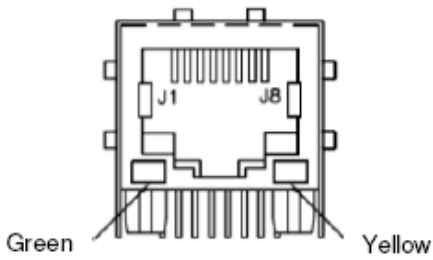
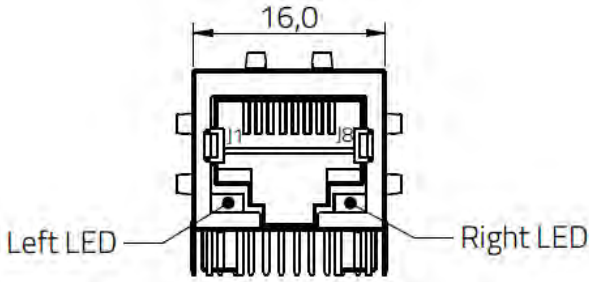
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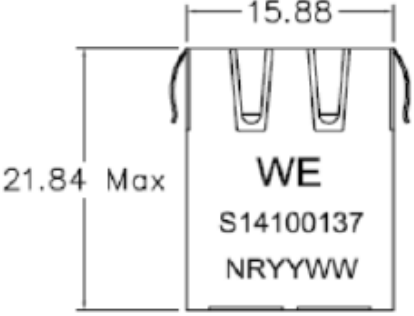
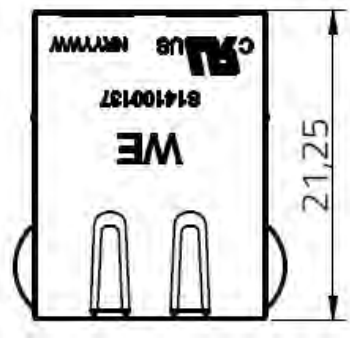
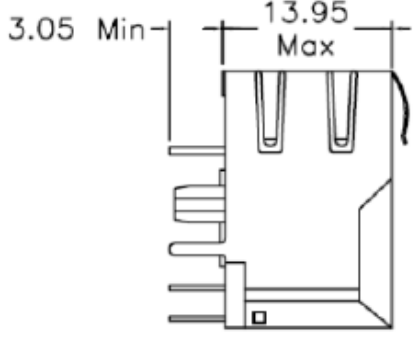
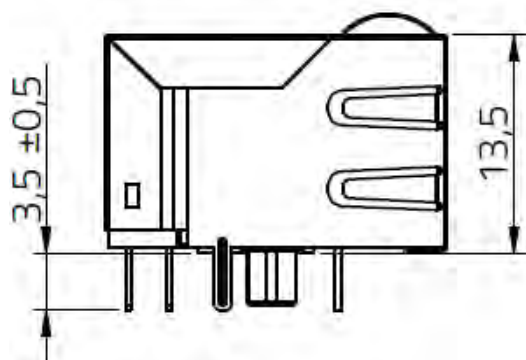
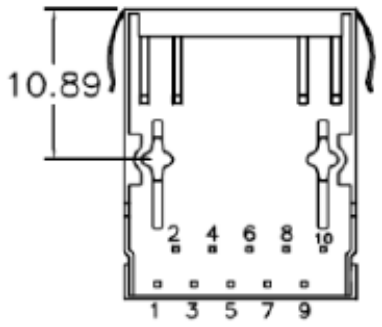
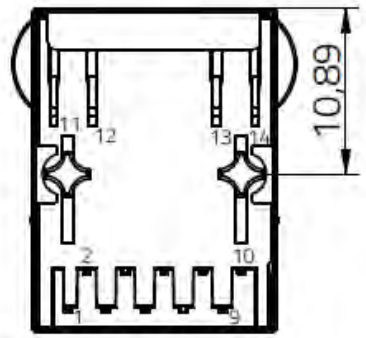
BEFORE CORRECTION	AFTER CORRECTION
	
	

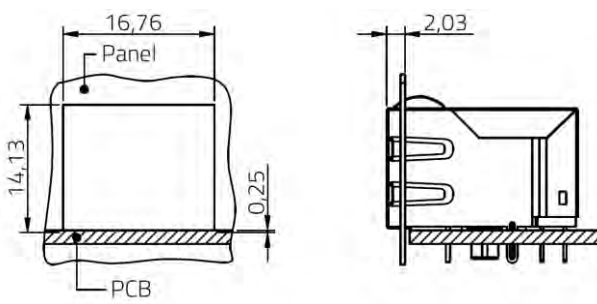
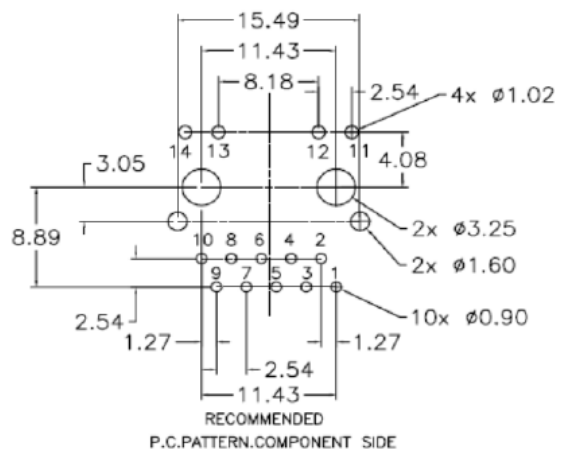
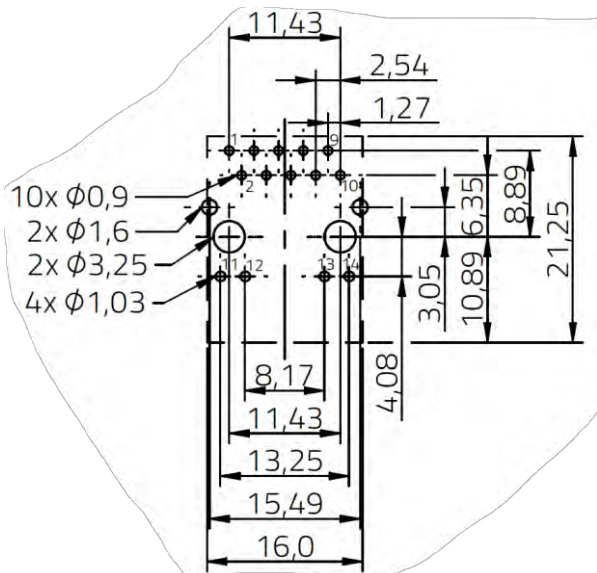
	
	
Return Loss: 1-30 MHz 40 MHz 50 MHz 60-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

No panel cutout	
	

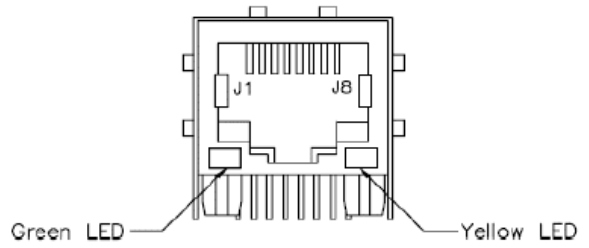
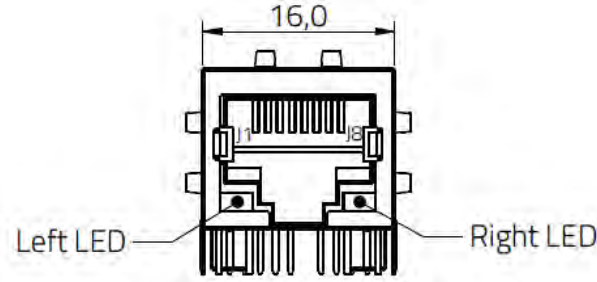
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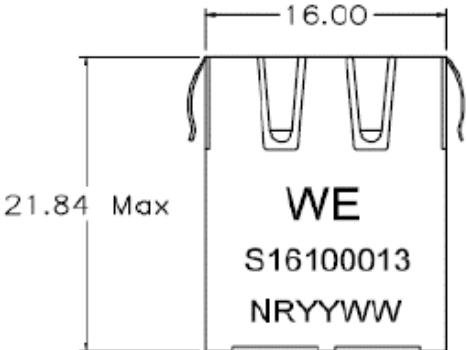
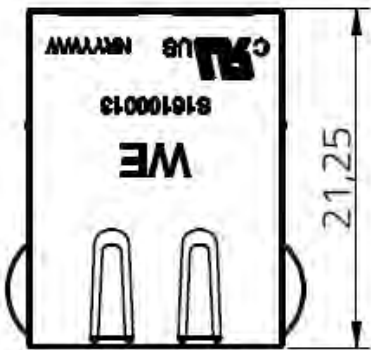
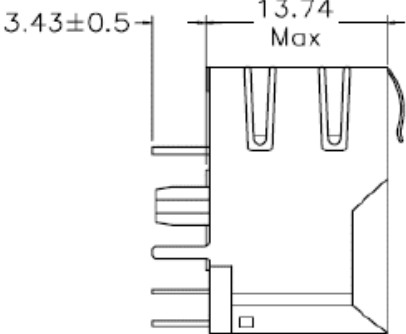
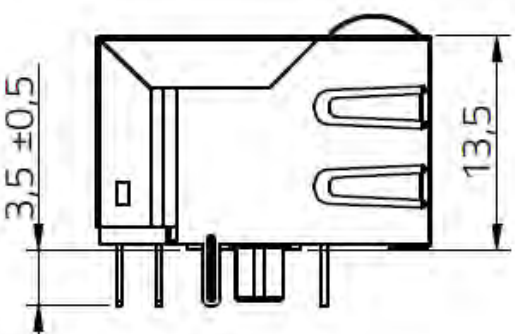
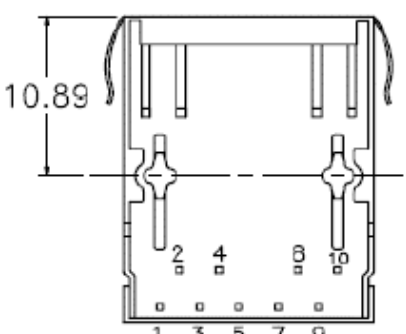
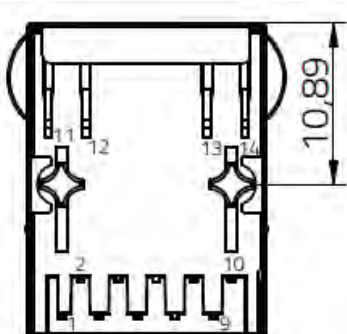
BEFORE CORRECTION	AFTER CORRECTION
	

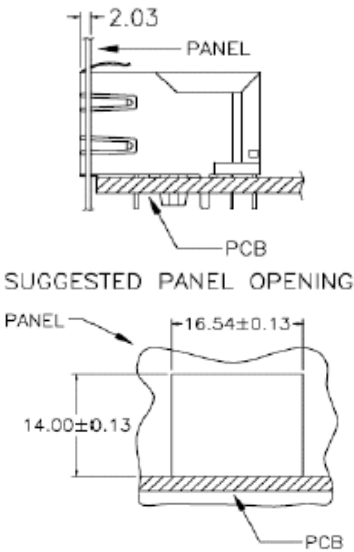
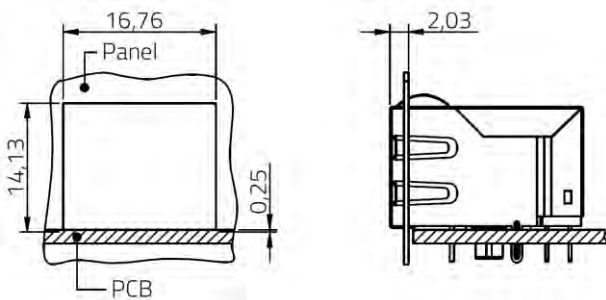
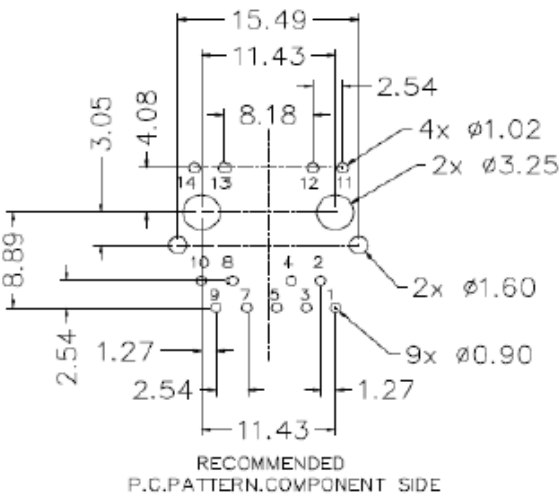
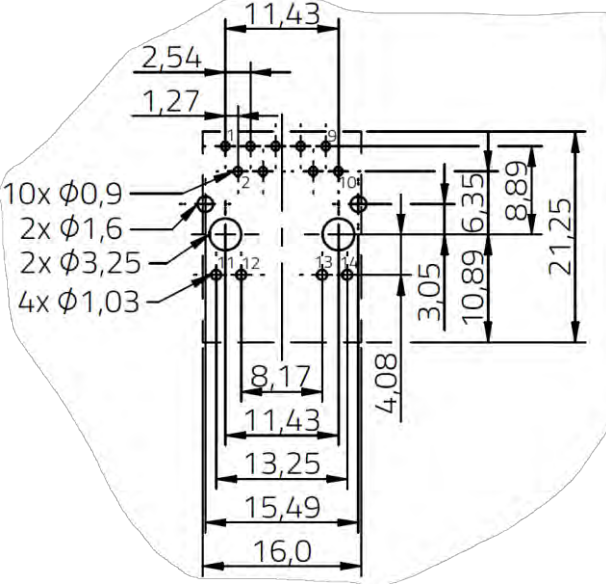
	
	
	
Return Loss: 1-40 MHz 40-60 MHz 60-80 MHz 80-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz

Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
	

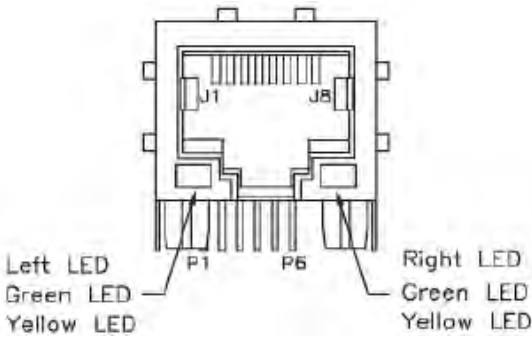
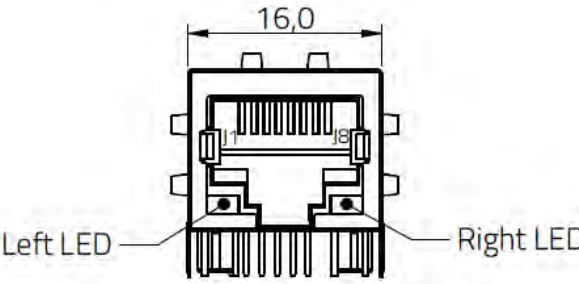
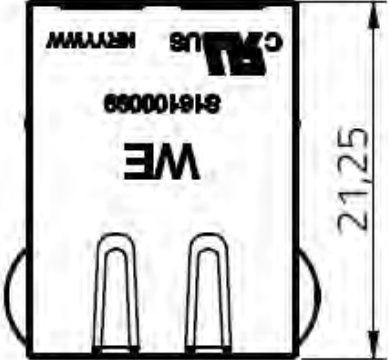
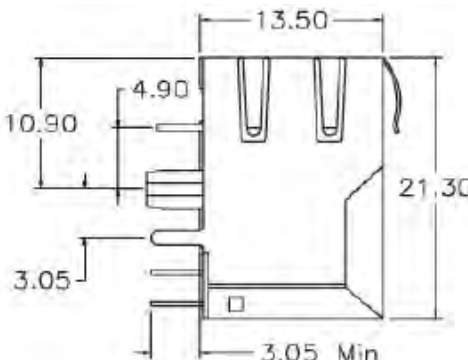
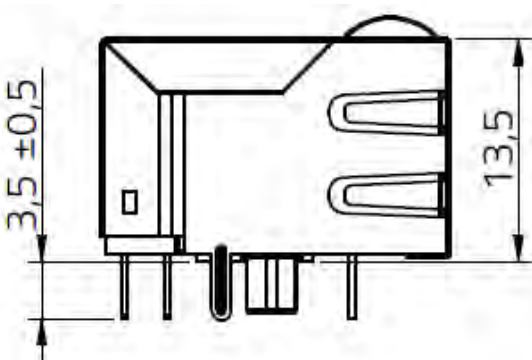
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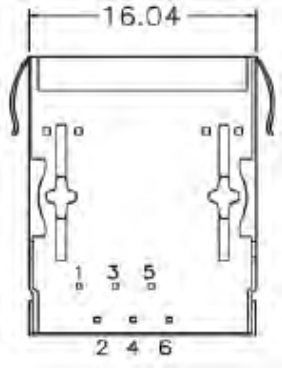
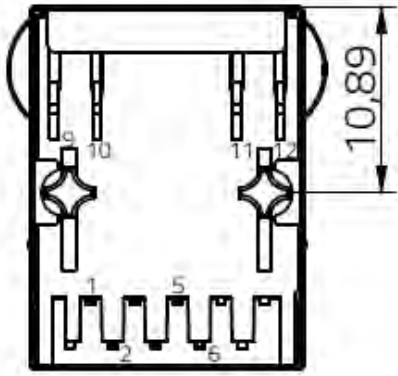
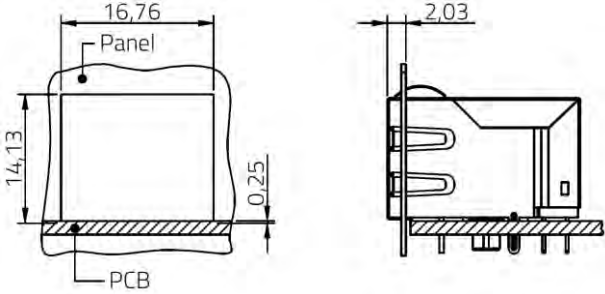
BEFORE CORRECTION	AFTER CORRECTION
	

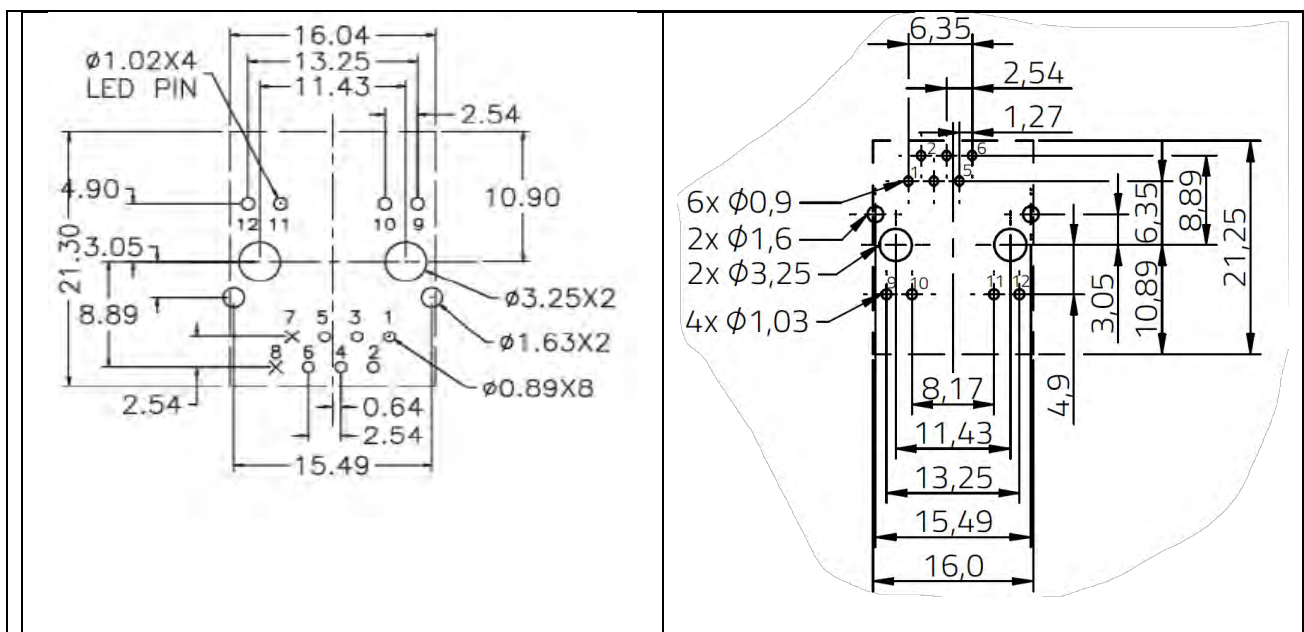
	
	
	
Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz

Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-60 MHz 60-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
 SUGGESTED PANEL OPENING	
 RECOMMENDED P.C.PATTERN.COMPONENT SIDE	

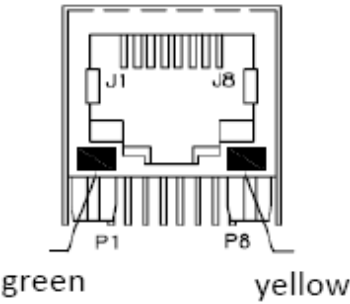
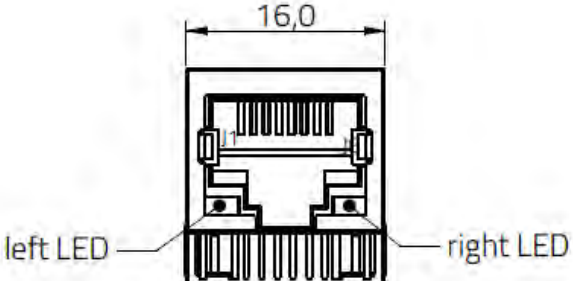
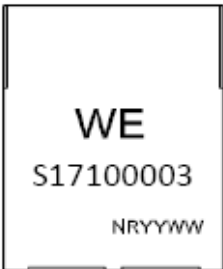
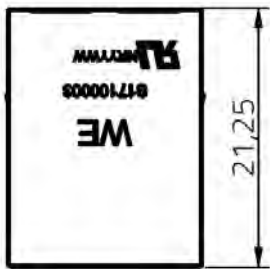
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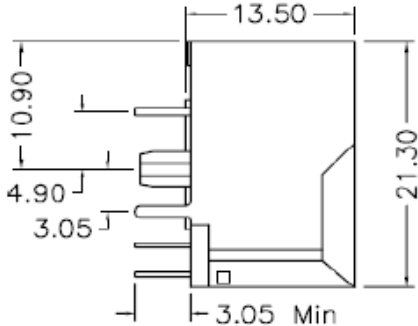
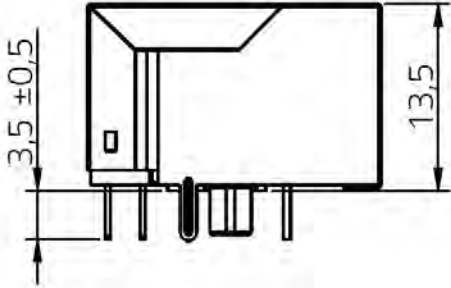
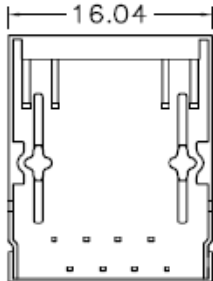
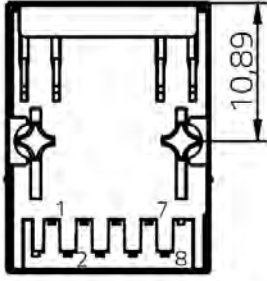
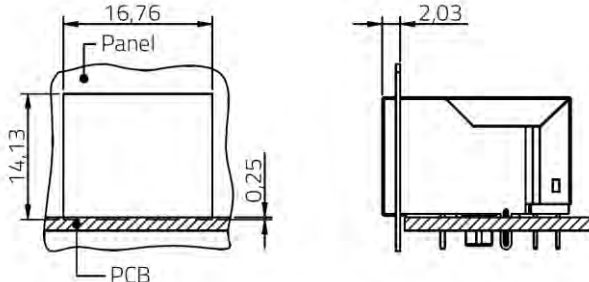
BEFORE CORRECTION	AFTER CORRECTION
	
	
	

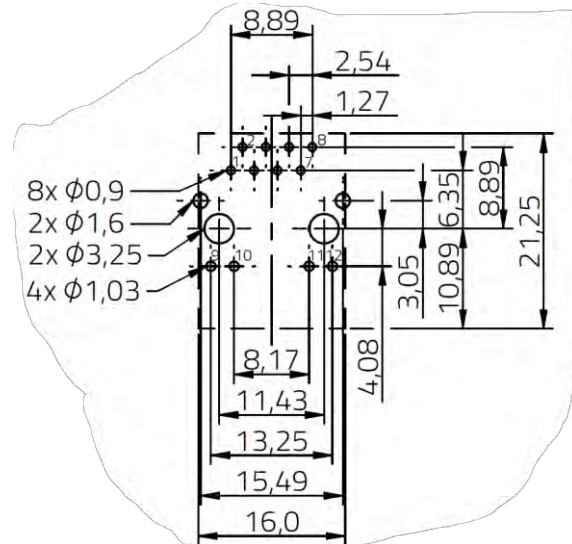
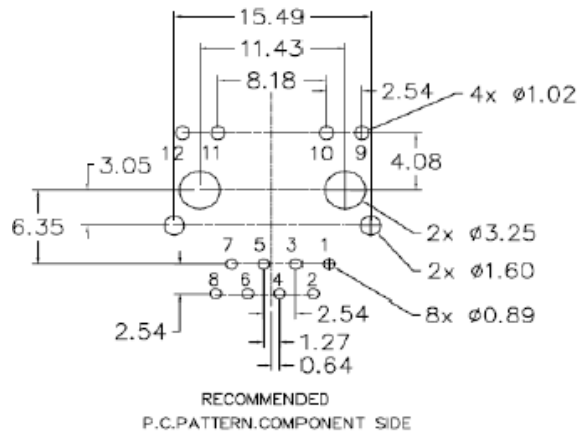
	
Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	



S17100003:

BEFORE CORRECTION	AFTER CORRECTION
	
	

	
	
Return Loss: 1-30 MHz 40 MHz 50 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 60-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

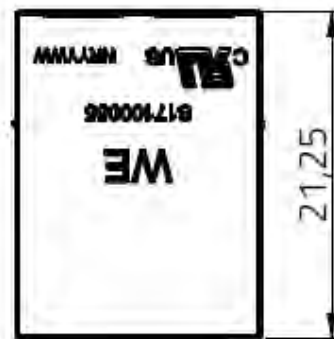
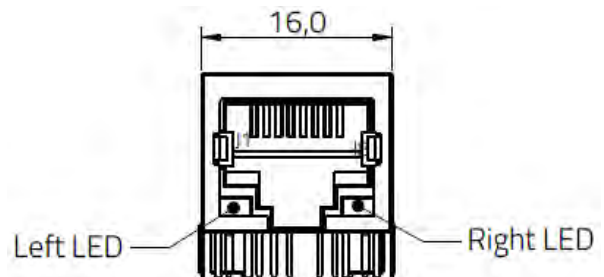


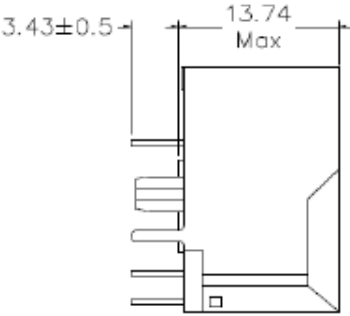
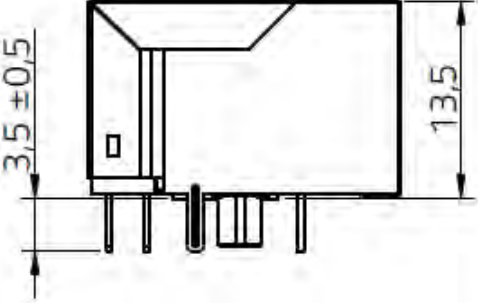
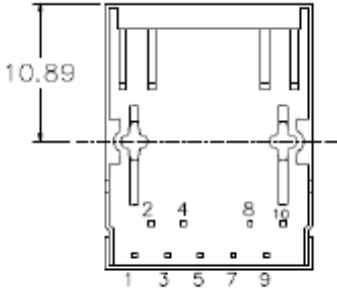
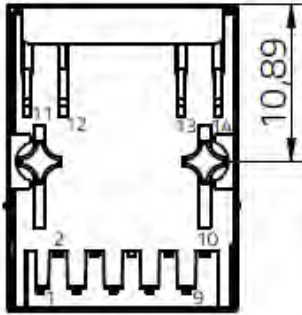
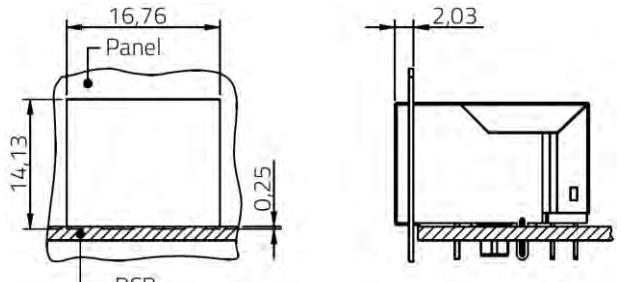
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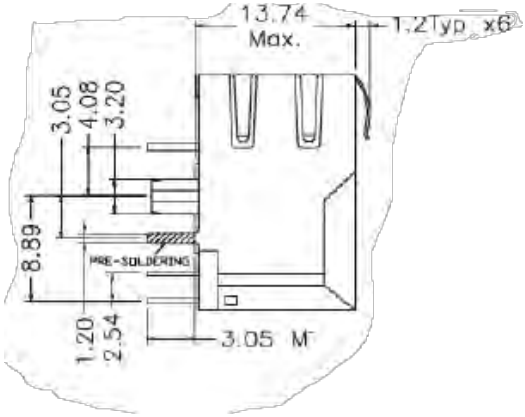
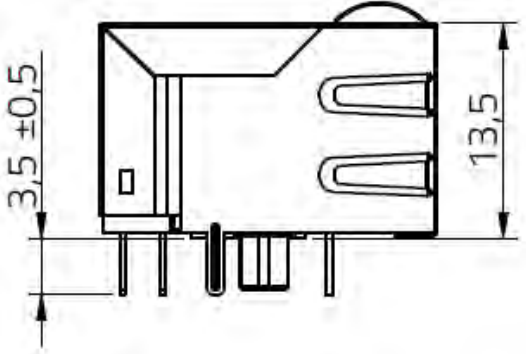
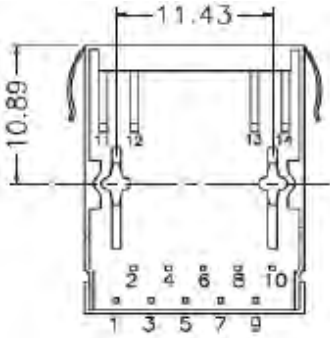
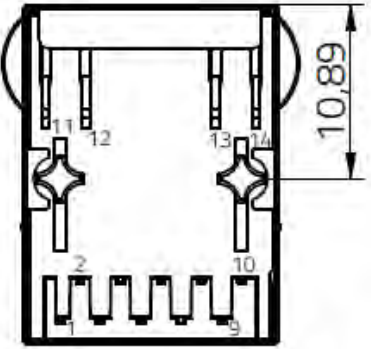
BEFORE CORRECTION

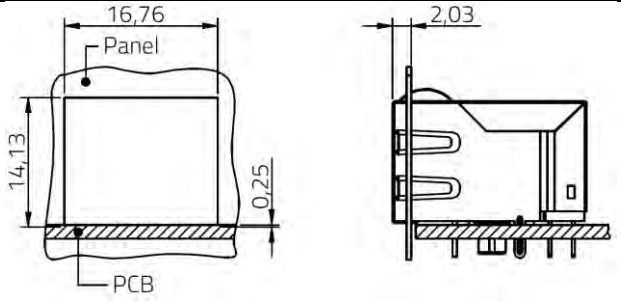
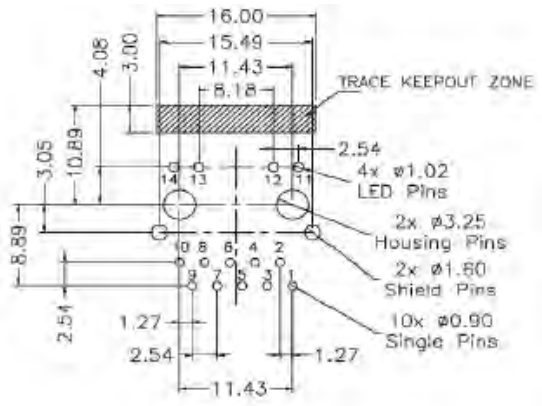
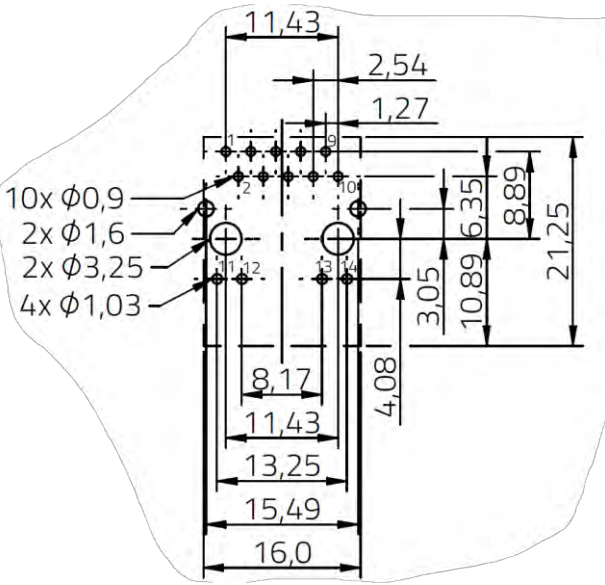
No front view

AFTER CORRECTION

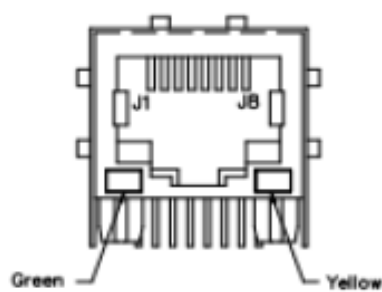
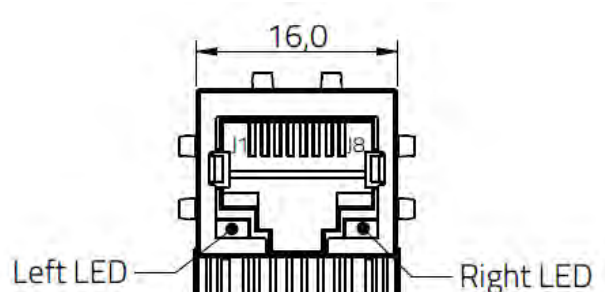


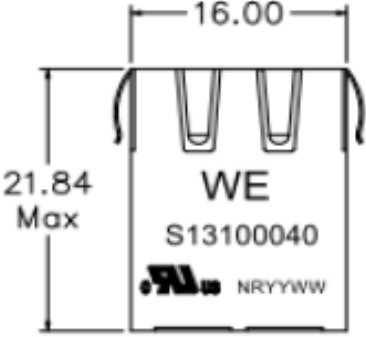
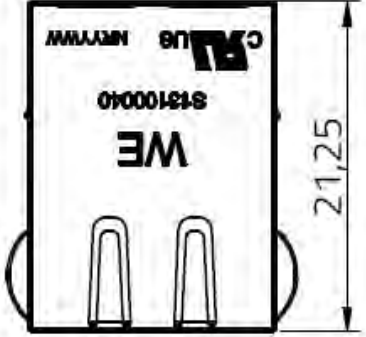
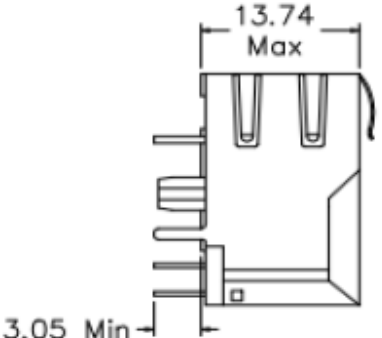
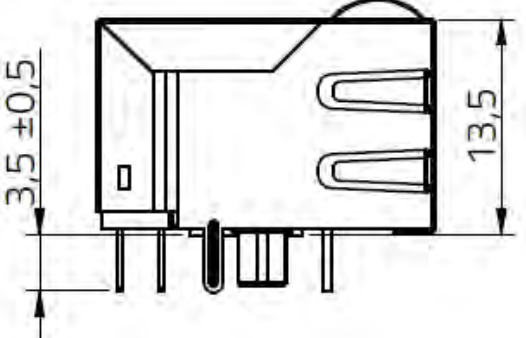
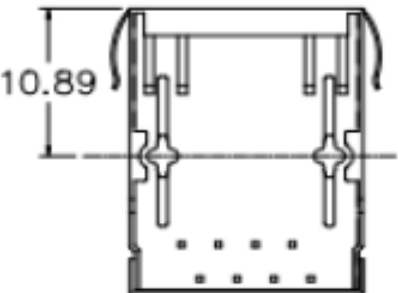
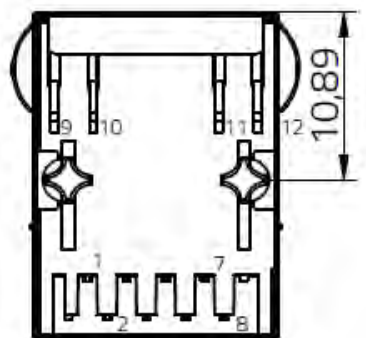
	
	
Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-60 MHz 60-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	

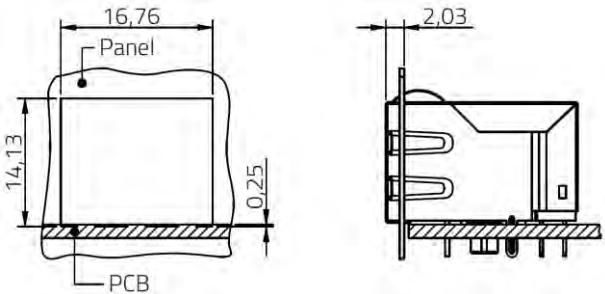
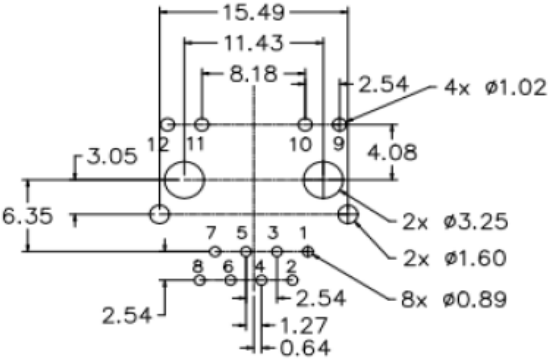
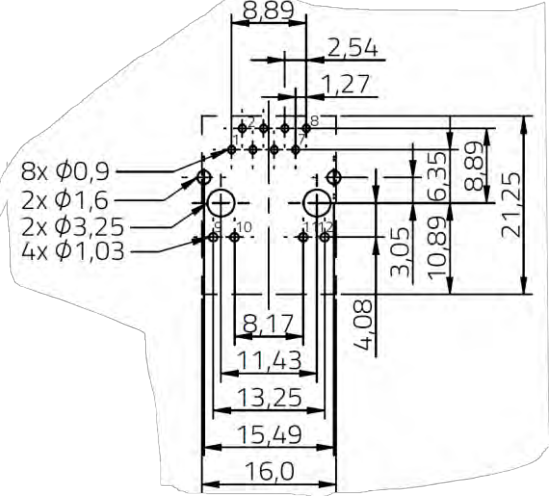
	
	
Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz

No panel cutout	
 Unless otherwise specified, tolerance $xx \pm 0.08$ mm	

S13100040:

BEFORE CORRECTION	AFTER CORRECTION
	

	
	
	
Return Loss: 1-10 MHz 10-30 MHz 30-60 MHz 60-80 MHz	Return Loss: 1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz

Common Mode Rejection: 1-100 MHz	Common Mode Rejection: 1-30 MHz 30-60 MHz 60-100 MHz
Crosstalk: 1-100 MHz	Crosstalk: 1-60 MHz 60-100 MHz
No panel cutout	
 RECOMMENDED P.C.PATTERN.COMPONENT SIDE	



Affected P/Ns:

74990100013	74990111211	7499011213A	7499111424	74992111211	S14100074
74990100040	74990111215	7499011215	7499111440A	7499211121A	S14100137
7499010004A	74990111215A	7499011215A	7499111441A	7499211122A	S14100141
74990101211	7499011121A	7499011216A	7499111443	7499211123	S15100058
7499010211A	7499011122A	7499011222A	7499111446	7499211123A	S16100001
7499010213	7499011125	7499011223A	7499210121	7499211220	S16100013
7499011121	7499011127	7499011444A	74992101211	7499211230	S16100099
7499010441	74990112111A	7499012000	7499210121A	7499211260	S17100003
74990110013	74990112120	7499110122	7499210122	7499410213	S17100055
7499011001A	74990112121	7499111001A	7499210211	7499410420	S17100096
7499011002A	74990112123	7499111121A	7499210213	S13100040	S18100064
74990110031	74990112124	7499111213	7499211002A	S13100049	S19100060
7499011003A	7499011212A	7499111423	7499211121	S20100137	

Reliability / Qualification Summary:

The following test were performed:

- Thermal shock according to MIL-STD-202-107
- Vibration according to MIL-STD-202-204
- Mating & unmating according to EIA-364-13T
- Durability according to EIA-364-09C
- Moisture resistance according to MIL-STD-202-106
- Salt spray according to EIA-354-26B