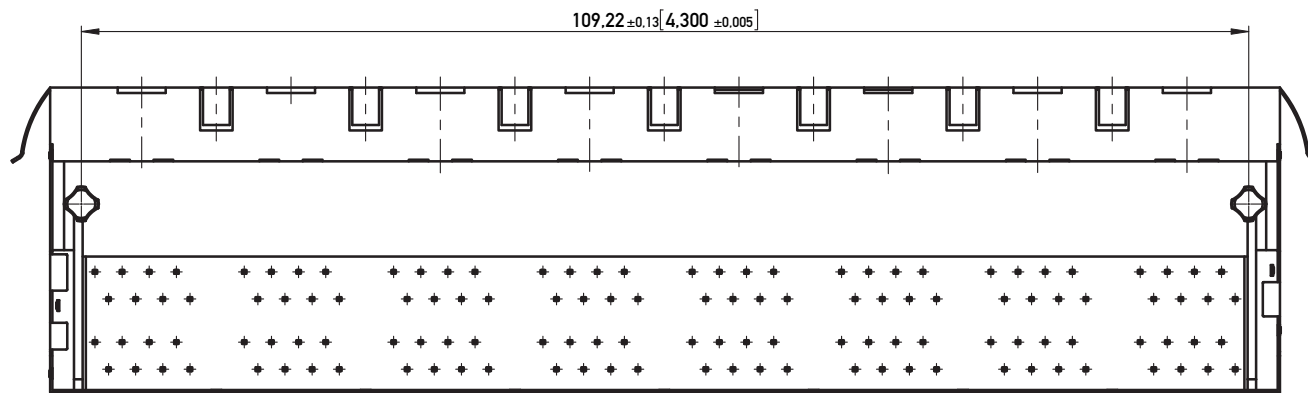
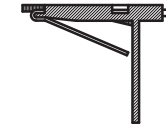
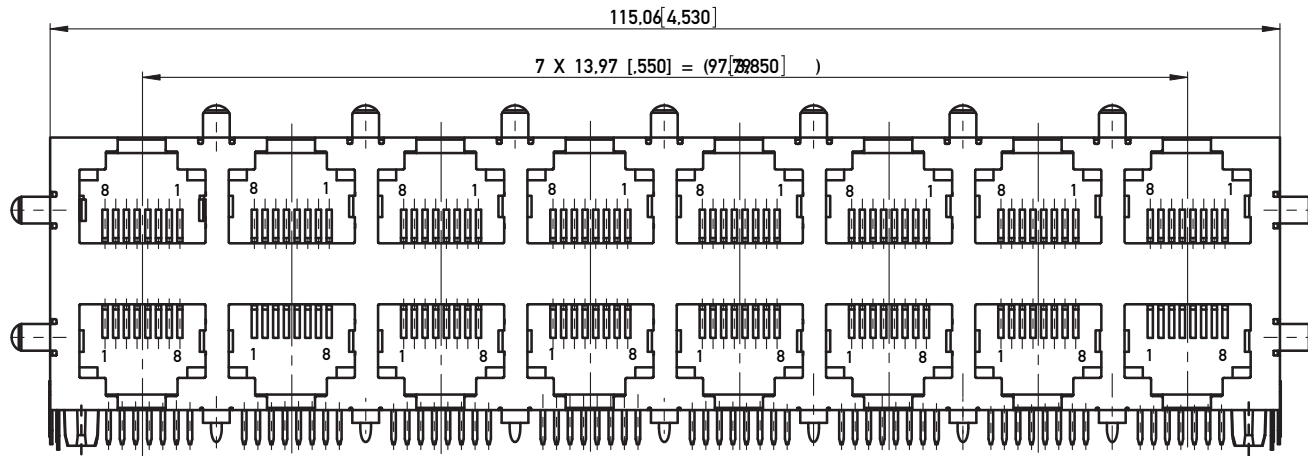
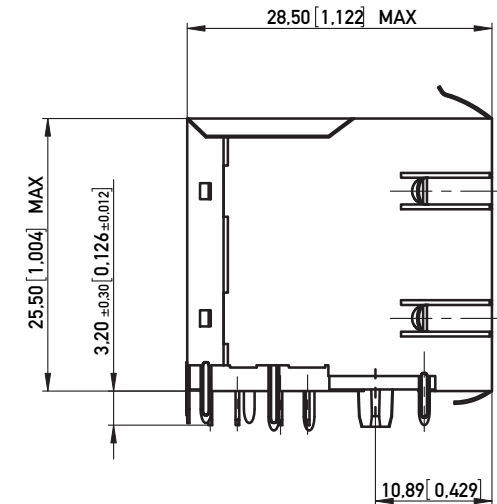




IMPROVED CONTACT DESIGN
(PRE BEND)



Technical specifications

Materials & Finish

Standard applic. Value

Insulation body	Standard description	PA66
Contact material	Standard description	C510 (acc.JIS)
Contact finish, mating zone	Thickness of plating	30 µin Au over 50 µin Ni
Contact finish termination zone	Thickness of plating	80 µin matte Sn over 50 µin Ni
Shell/shield material	Standard description	C2680 (acc.JIS)
Shell/shield plating	Thickness of plating	50 µin Ni

Assembly process

Packaging	Tray
Solder temperature	235°C at 3-5s
Suitable assembly process	wave

Approvals

UL insulation body	UL 94	V0
UL File No.		E145613
RoHS compliant		Yes

Test Data

Standard applic. Value

Mechanical properties

Insertion/withdrawal force	IEC 603-7	max. 20 N
Mechanical operations	IEC 512-5, 9a	min. 1.000
Effectiveness of connector coupling device	IEC 512-8, 15f	50 N

Electrical properties

Creepage / clearance distances

a) Contact - contact	IEC 807-3	0.52 mm
b) Contact - shell	IEC 807-3	min. 1.0 mm

Voltage proof (Dielectric Withstand Voltage)

a) Contact - contact	IEC 512-2, 4a	min. 1.000 V AC/DC
b) Contact - shell/testpanel	IEC 512-2, 4a	min. 1.500 V AC/DC
Current carrying capacity	IEC 512-3, 5b	1.5 A @ 25° C
Contact resistance	IEC 512-2, 2a	max. 30 mOhm
Insulation resistance	IEC 512-2, 3a	min. 500 MOhm

Environmental properties

Operation temperature	0 - 70° C
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NOTE 1: PANEL GROUND FLANGES TOP, BOTTOM, SIDES (GF9)

NOTE 2: REAR GROUNDING PIN BETWEEN EVERY PORT [T]

NOTE 3: 3 SIDE GROUND PINS EACH SIDE, STAGGERED (S1)

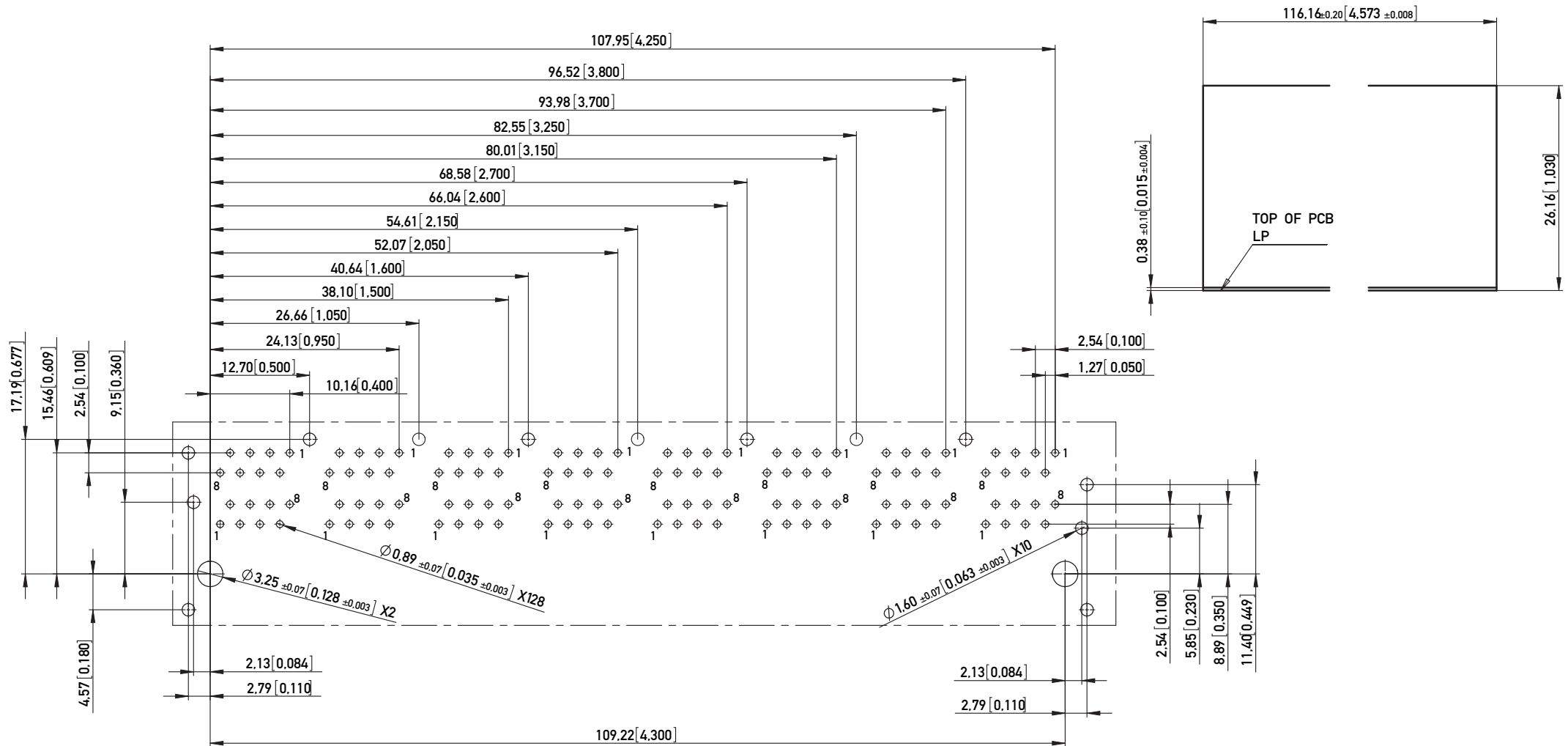
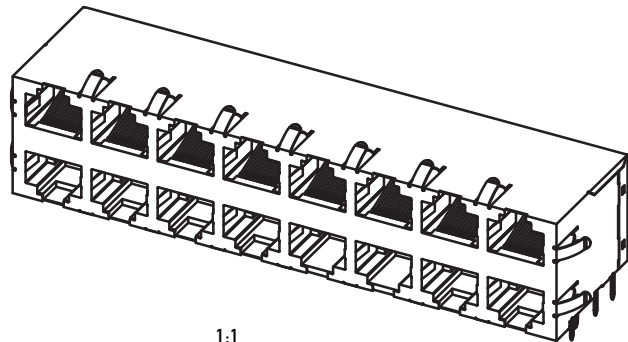
NOTE 4: RoHS COMPLIANT

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Information:		Tolerances	<p>All Dimensions in mm(in)</p>	Scale	2:1
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<p>www.ERNI.com</p>				133080	I (1/2) A3
B		21.05.2007		Class	MJ
Index		Date			

RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
 EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)
 TOL. ± 0.05 [0.002] UNLESS NOTED

RECOMMENDED PANEL CUTOUT
 EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



1:1

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Index		Date		www.ERNI.com	
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				133080	
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