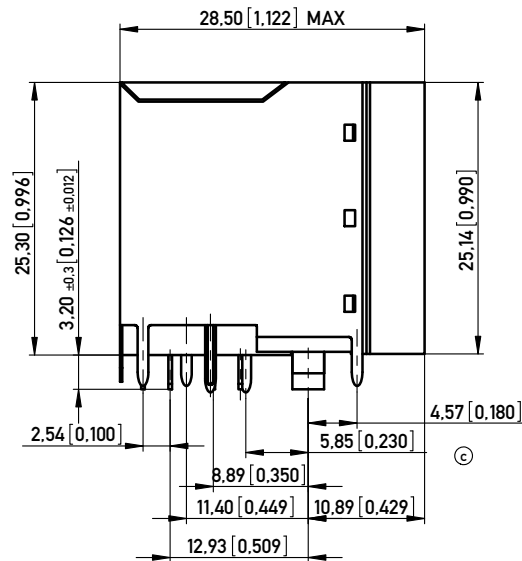
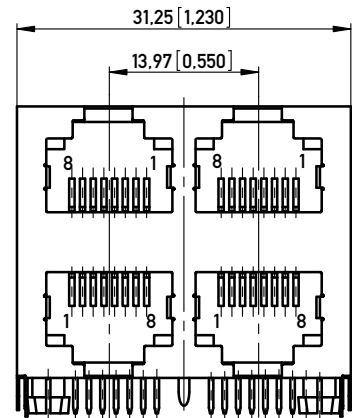
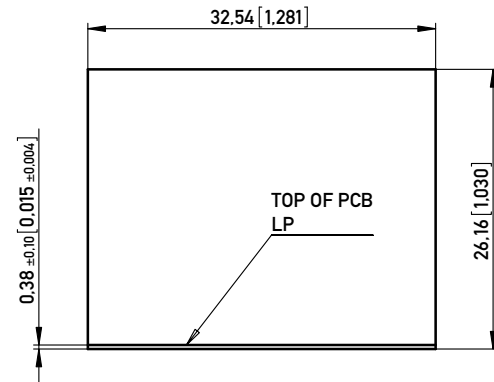
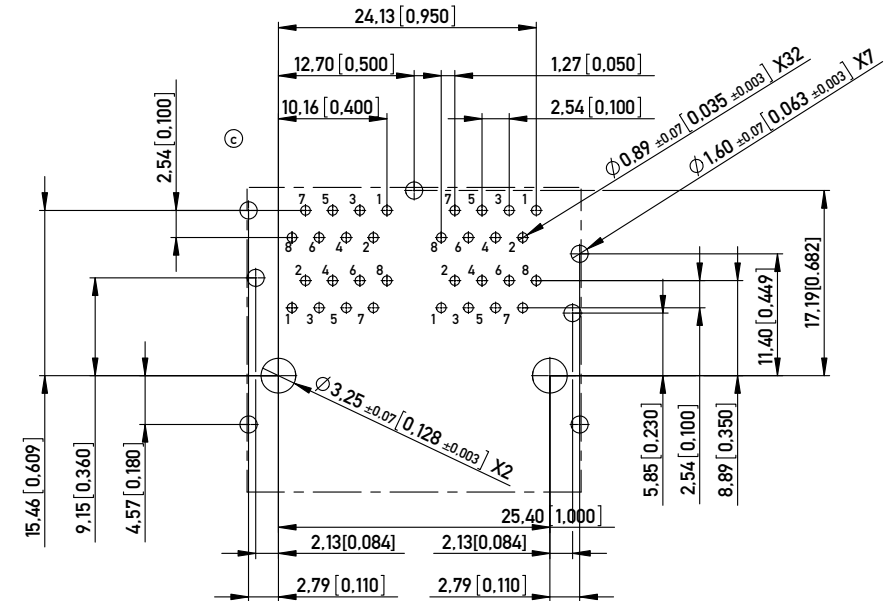


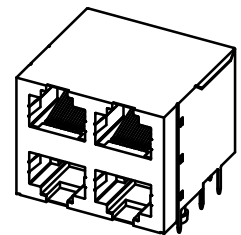
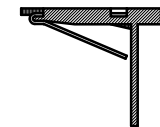
RECOMMENDED PANEL CUTOUT
EMPFÖHLENER FRONTPLATTEN-AUSSCHNITT



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



IMPROVED CONTACT DESIGN
(PRE BEND)



1:1

Technical specifications

Materials & Finish	Standard applic.	Value
Insulation body	Standard description	PA66
Contact material	Standard description	C5210 (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	SUS301 (acc.JIS)
Plating shield / shielding pin		50 µin Ni / 80 µin Sn

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

Mechanical properties

Standard applic.	Value
IEC 603-7	max. 20 N
IEC 512-5, 9a	min. 1.000
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: RoHS COMPLIANT

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Information:	Tolerances Fractional Decimals Angles X.X 45.0 8.11 X.XX 45.00 8.111 X.XXX 45.000 8.1111 X.XXXX 45.0000 8.11111		Scale 2:1
All rights reserved. Only for Information. To ensure that this is the latest version of this drawing, please contact one of the ERNI companies before using.	Subject to modification without prior notice. Drawing will not be updated.	Designation	MOD - JACK - MJD 8P8C, 2X2 CAT 5
www.ERNI.com	133052	1 (1/1)	A3
d Index	17.06.2014	Date	Class MJ

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