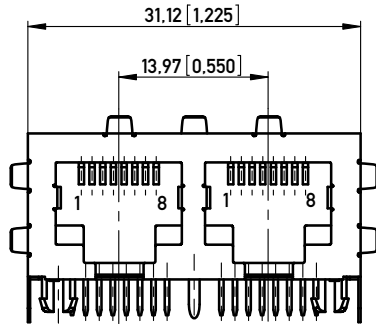
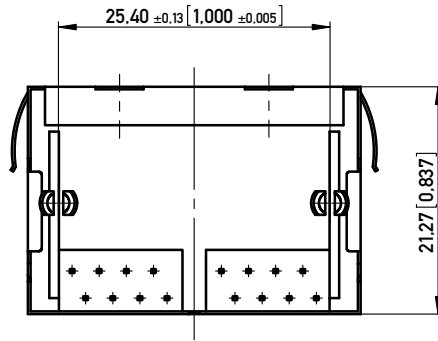
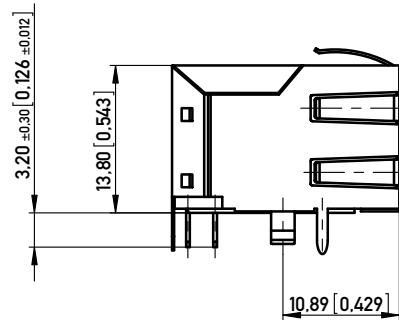
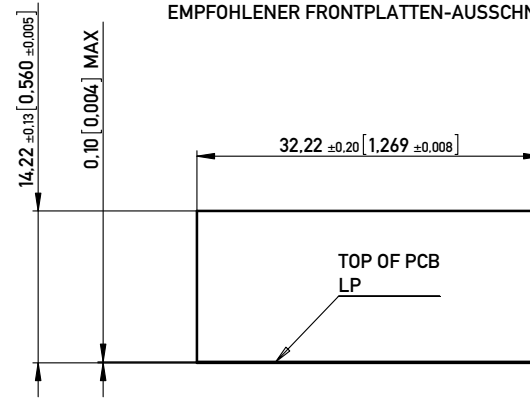
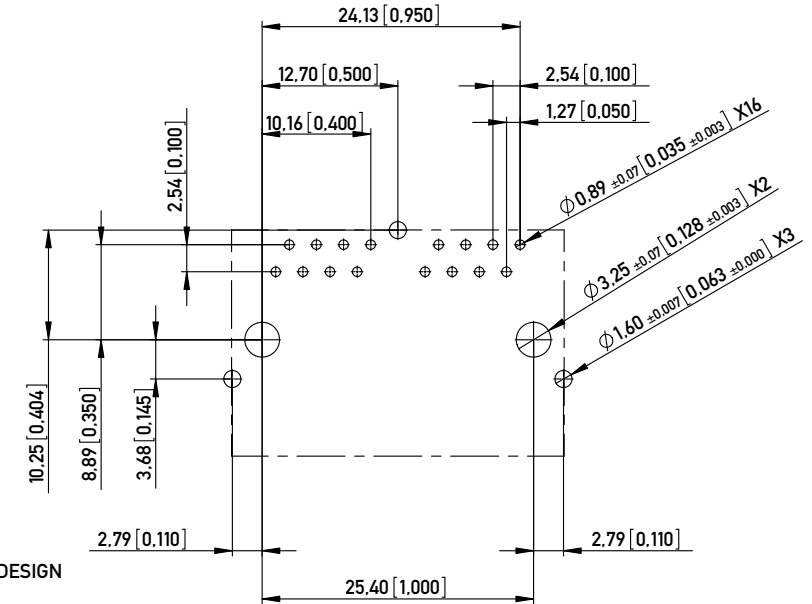




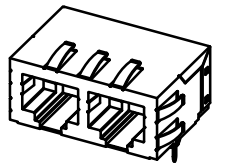
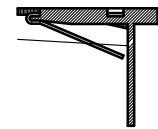
RECOMMENDED PANEL CUTOUT EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



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



IMPROVED CONTACT DESIGN (PRE BEND)



1:1

- NOTE 1: PANEL GROUND FLANGES TOP AND SIDES (GF5)
NOTE 2: C-UL APPROVED E145613 AND MEETS FCC REQUIREMENTS
NOTE 3: RoHS COMPLIANT

Technical specifications

Materials & Finish

Insulation body	Standard applic.	Value
Standard description	PBT 30%	
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	C2680 (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
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	-40° to +85°C
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PART NO. IDENT. NR.	TRANSMISSION REQUIREMENT ÜBERTRAGUNGSANFORDERUNG		
133921	CATEGORY 5		
133638	CATEGORY 5E		
Information:	Tolerances	Scale 2:1	
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ERNI	www.ERNI.com	MOD JACK - MJR 8P8C, 1X2	
h	04.07.2016	133821	1 (1/1)
Index	Date	Class	A3
		MJ	

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