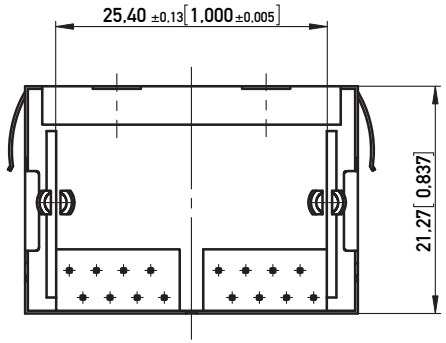
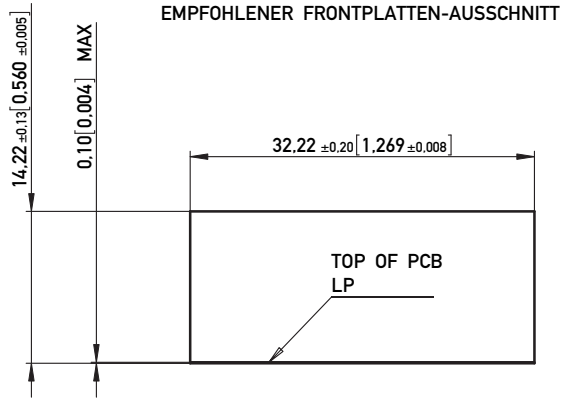
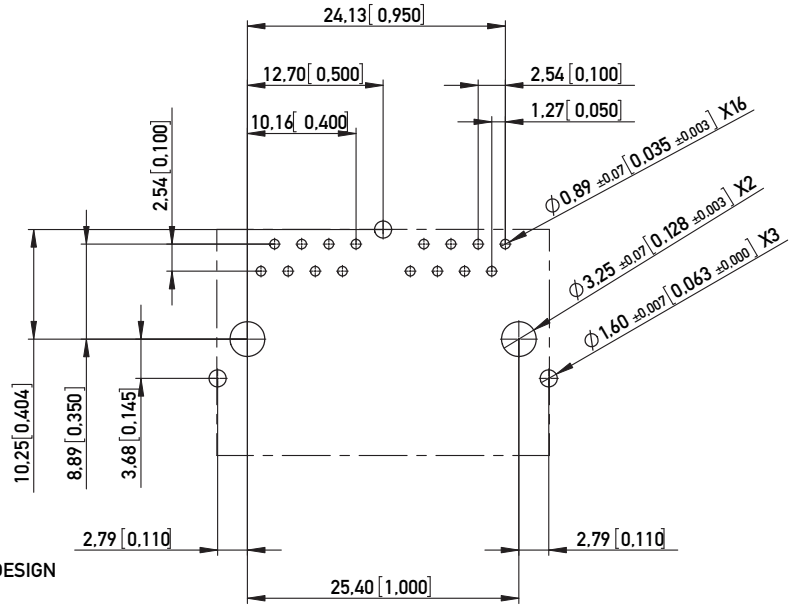
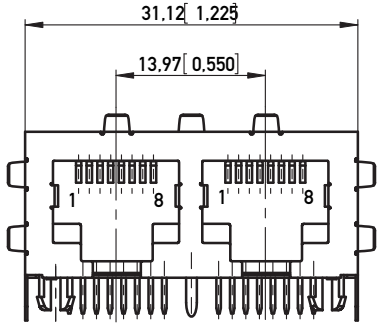


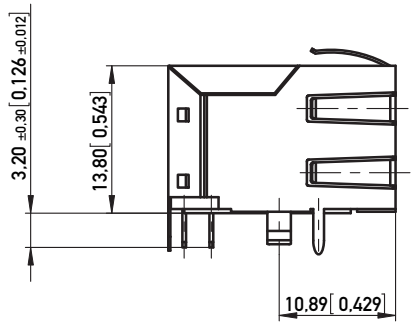
RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



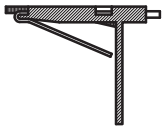
RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)
TOL. ±0.05 [0.002] UNLESS NOTED

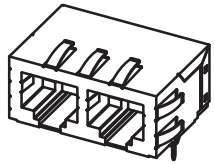






IMPROVED CONTACT DESIGN
(PRE BEND)





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	Standard applic.	Value
Insulation body	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)
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

PART NO. IDENT. NR.	TRANSMISSION REQUIREMENT ÜBERTRAGUNGSANFORDERUNG		
133921	CATEGORY 5		
133638	CATEGORY 5E		

Information:

Tolerances

All Dimensions in mm [in]

Scale 2:1

Subject to modification without prior notice.
Drawing will not be updated.

Designation

MOD JACK - MJR
8P8C, 1X2

ERNI www.ERNI.com

133821

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A3

F		28.06.2007	
Index		Date	

Class MJ