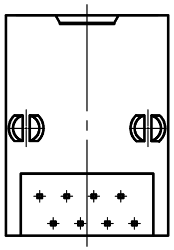
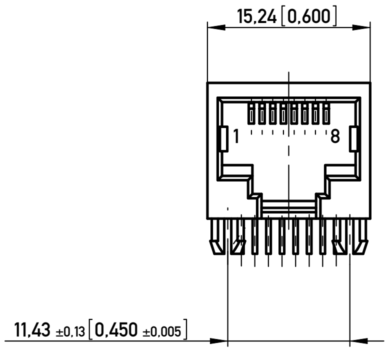
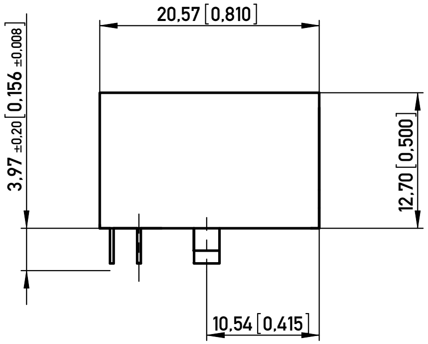
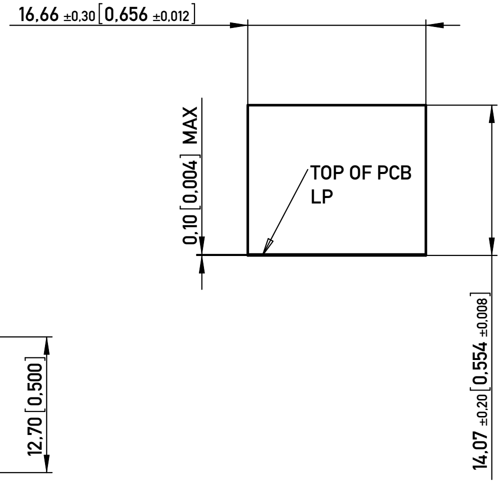


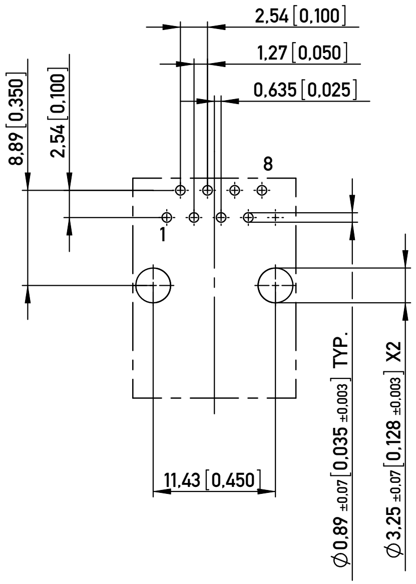


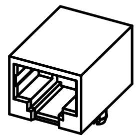


RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



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





1:1

NOTE 1 : C-UL APPROVED E145613 AND MEETS FCC REQUIREMENTS
NOTE 2 : RoHS COMPLIANT

PART NO. IDENT. NR.	CONTACT FINISH OBERFLÄCHEN-BEHANDLUNG
133152	Round wire contacts 0,8µm Au [30µin], over 1,27 [50µin] NI

Technical specifications

Materials & Finish	Standard applic.	Value
Insulation body	Standard description	PBT 30%
Contact material	Standard description	CuSn5
Contact finish, mating zone	Thickness of plating	30 µin Au over 50 µin Ni
Contact finish termination zone	Thickness of plating	see Chart
Shell/shield material	Standard description	N.A.
Shell/shield plating	Thickness of plating	N.A.
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	0,57 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

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, 1X1

ERNI www.ERNI.com

133837

I (1/!)

A3

Index		Date	
D		14.01.2008	

Class MJ

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ERNI Electronics:

133152