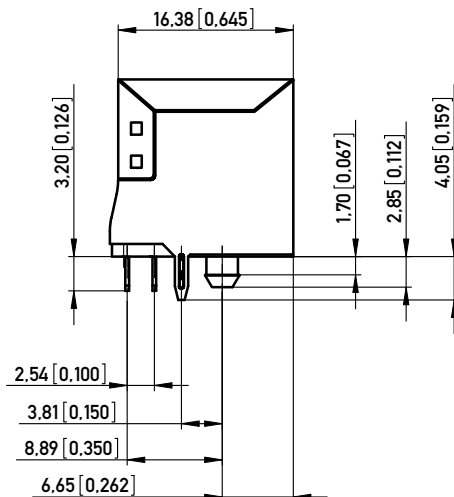
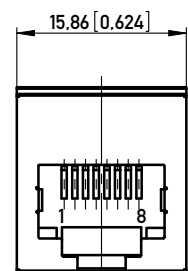
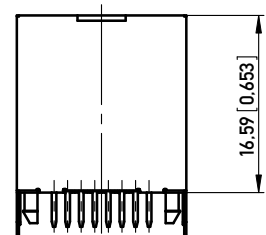
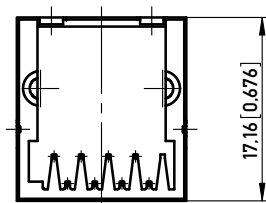
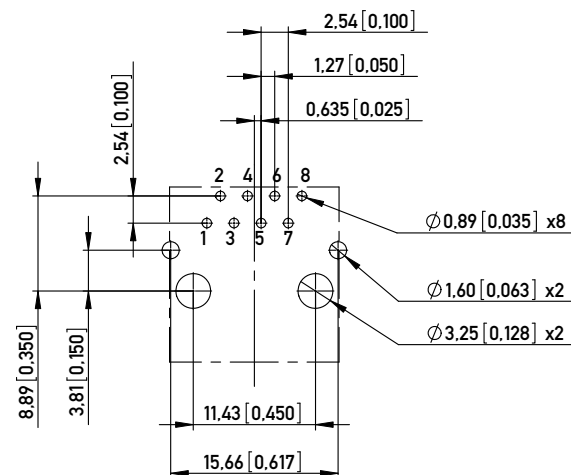
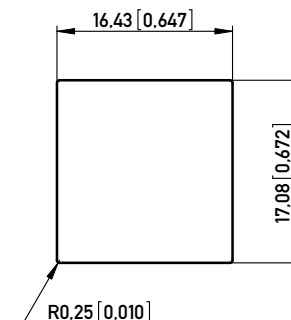




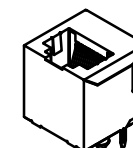
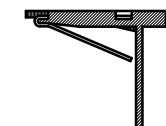
RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)
TOL ±0.05 mm unless noted



RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



IMPROVED CONTACT DESIGN
(PRE BEND)



1:1

NOTE 1: 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	see chart
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 3-5 s
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	see chart
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PART NO. IDENT. NR.	TRANSMISSION REQUIREMENT ÜBERTRAGUNGSANFORDERUNG	CONTACT FINISH KONTAKTOBERFLÄCHE	OPERATION TEMPERATURE BETRIEBSTEMPERATUR
133934	CAT 5	50 µinAu	0 to +70°C
203512	CAT 5	30 µinAu	-40° to +85°C
133184	CAT 5	30 µinAu	0 to +70°C
133183	CAT 3/4	30 µinAu	0 to +70°C
Information:		Tolerances xxx = ±0,25 mm	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 - MJHV 8P8C, 1X1, VERTICAL
i		20.05.2010	1
Index		Date	A3
Class		MJ	

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