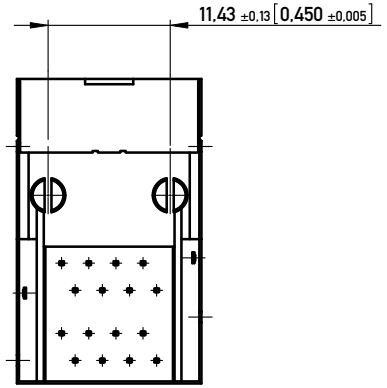
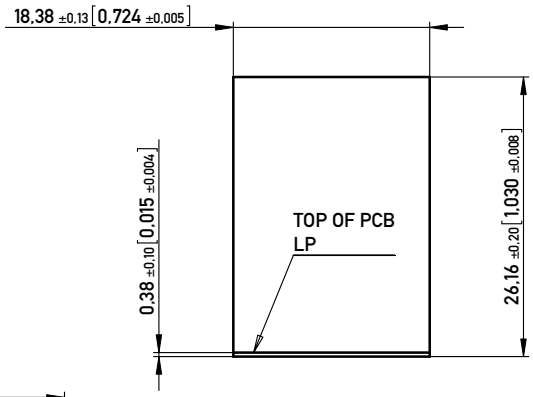
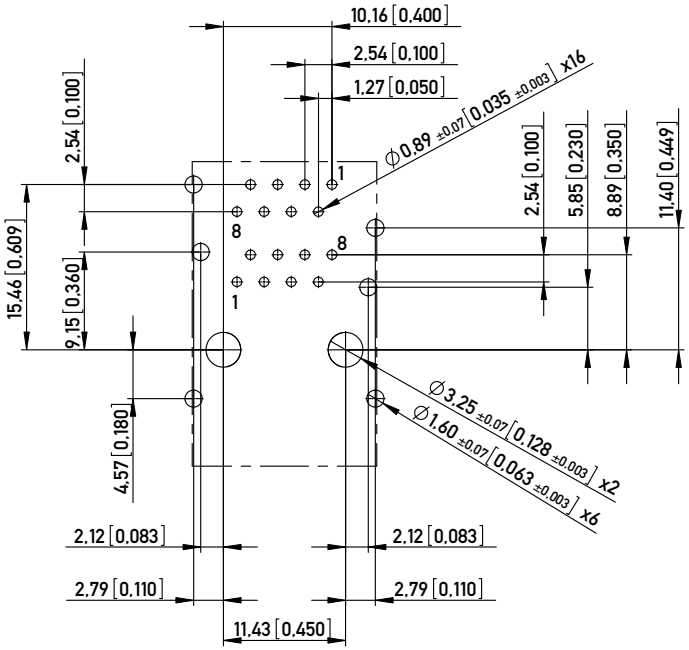
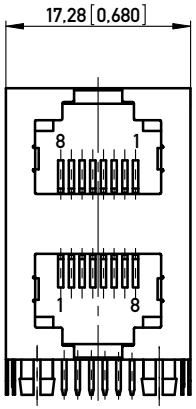


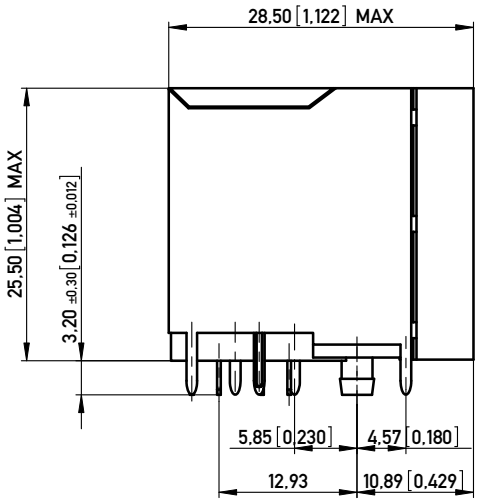
RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



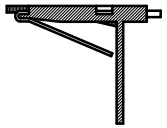
RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)
TOL. ±0.05 [0.002] UNLESS NOTED

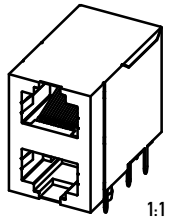






IMPROVED CONTACT DESIGN
(PRE BEND)





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	SUS301 (acc. JIS)
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		0,52 mm
b) Contact - shell	IEC 807-3		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

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

Information:	Tolerances	All Dimensions in mm [in]	Scale 2:1
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		ERNI www.ERNI.com	133051 (1/1) A3
g / Index	31.01.2011 / Date		Class MJ

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