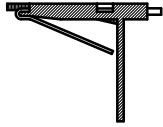
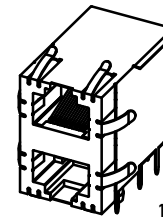
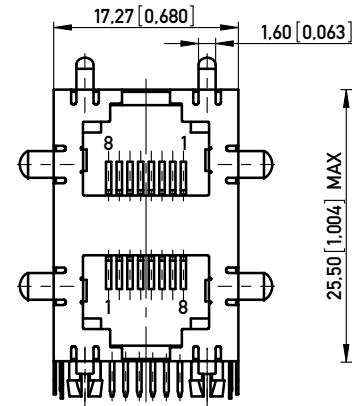
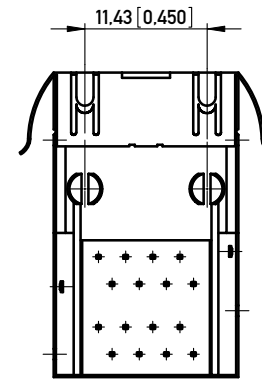
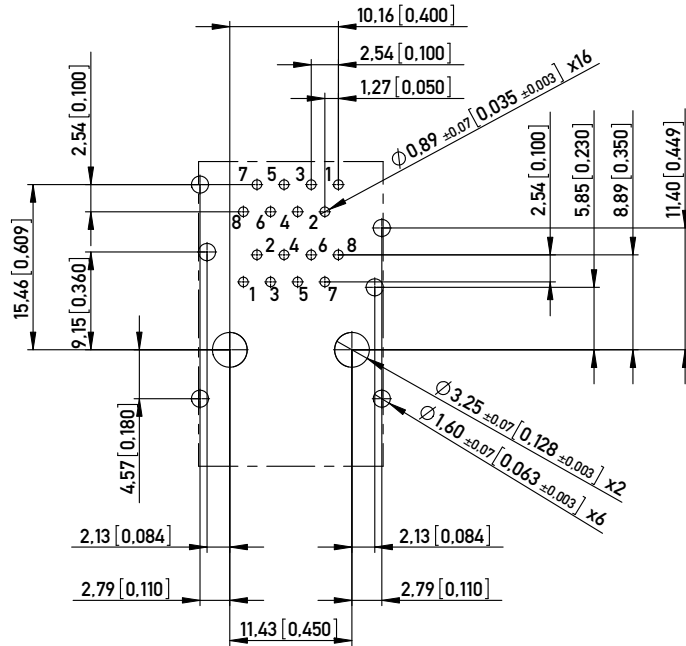


IMPROVED CONTACT DESIGN
(PRE BEND)

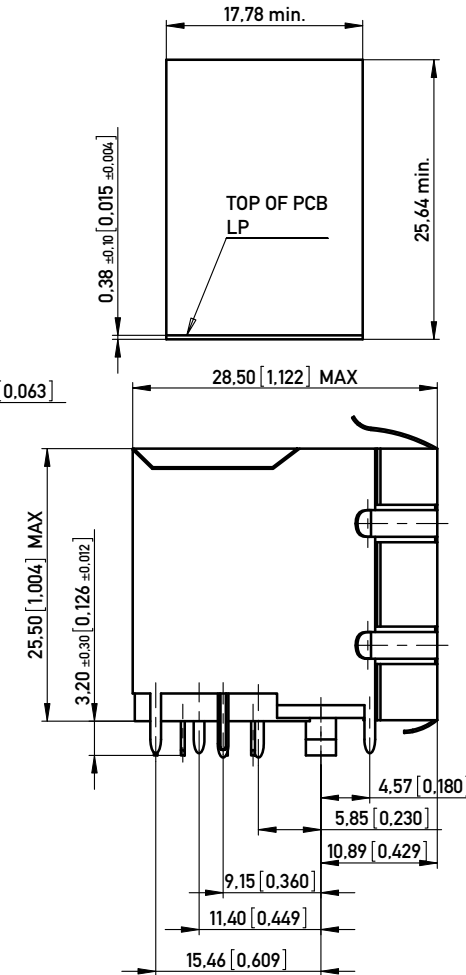


RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFÖHLENES LEITERPLATTEN-LAYOUT (BESTÜCKUNGSSEITE)
TOL. ±0.05 [0.002] UNLESS NOTED



1:1

RECOMMENDED PANEL CUTOUT
EMPFÖHLENER FRONTPLATTEN-AUSSCHNITT



NOTE 1: PANEL GROUND FLANGES TOP, BOTTOM, SIDES (GF9)

PART NO. IDENT. NR.	TRANSMISSION CATEGORY
133039	CAT 5
203517	CAT 5e

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	Standard applic.	Value
Packaging	Tray	
Solder temperature	235°C at 3-5s	
Suitable assembly process	wave	

Approvals	Standard applic.	Value
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	Standard applic.	Value
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	Standard applic.	Value
Operation temperature		0 - 70° C

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Information:	Tolerances X.XX ±0.25 All Dimensions in mm(in)	Scale 2:1
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www.ERNI.com	133880	A3
c Index	20.05.2010 Date	Class