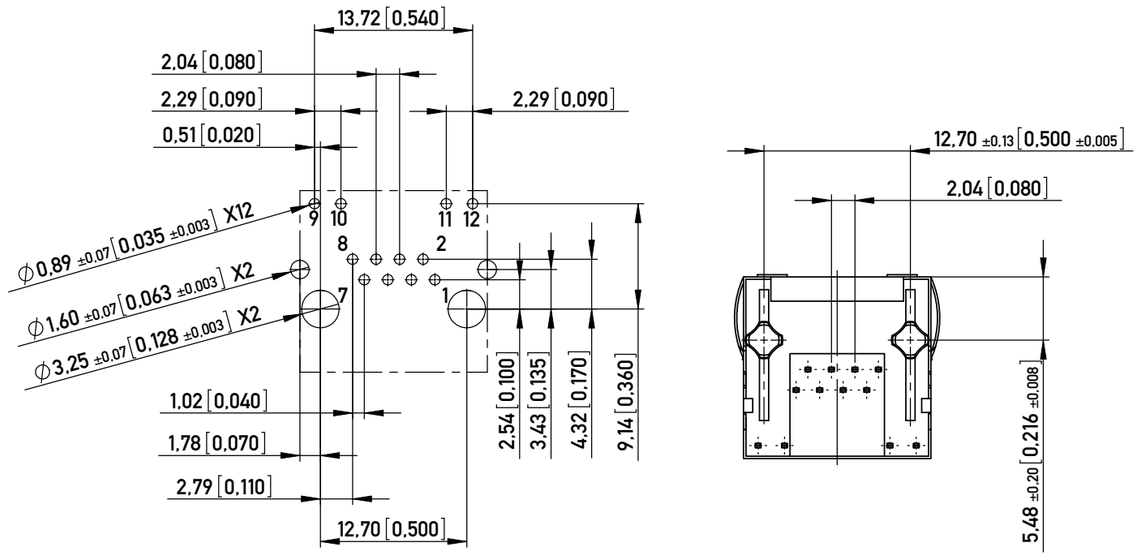
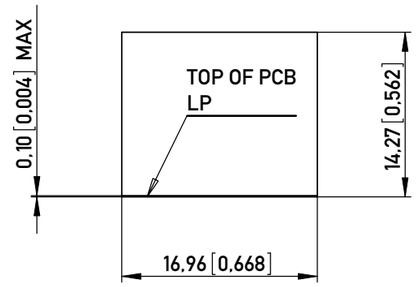
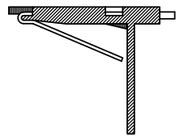
RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)
TOL. ±0.05 [0.002] UNLESS NOTED

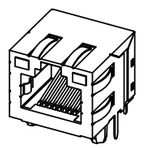


RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN-AUSSCHNITT

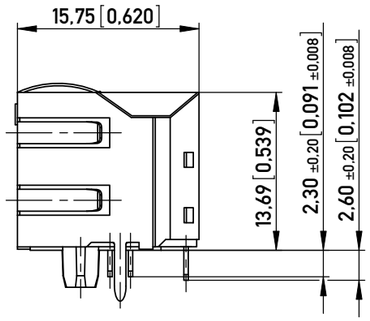


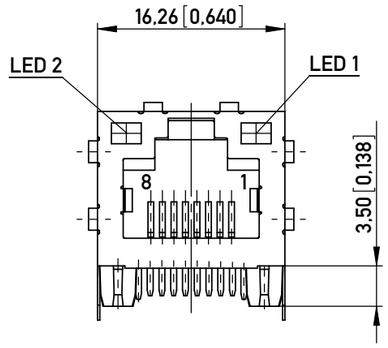
IMPROVED CONTACT DESIGN
(PRE BEND)





1:1





LED SPECIFICATIONS - LED ANWEISUNGEN

COLOR FARBE	V_f TYP	V_f MAX	V_f mA	CIRCUIT DIAGRAM SCHALTSKIZZE
YELLOW	2.1	2.5	20	9 10 11 12
GREEN	2.2	2.5	20	9 10 11 12
RED	2.25	2.5	20	9 10 11 12
ORANGE / GREEN	2.05 / 2.2	2.5	20	9 10 G N 11 12 G N
GREEN / ORANGE	2.2 / 2.05	2.5	20	9 10 N G 11 12 N G

NO. IDENT. NR.	LED 2 LEFT	LED 1 RIGHT	LED CODE
133902	BLANK	BLANK	L0
133744	YELLOW	GREEN	L1
133745	GREEN	YELLOW	L2
133746	GREEN	GREEN	L3
133901	RED	GREEN	L5
133747	YELLOW	YELLOW	L8
133748	ORANGE / GREEN	ORANGE / GREEN	L9
133927	GREEN / ORANGE	YELLOW	L11

Technical specifications

Materials & Finish	Standard applic.	Value
Insulation body	Standard description	PA9T 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		260°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

Information:

Tolerances

All Dimensions in mm[in]

Scale 2:1

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

Designation

MOD JACK - MJE
8P8C, 1X1, LED

ERNI www.ERNI.com

133828

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A3

F		22.01.2009	
Index		Date	

Class