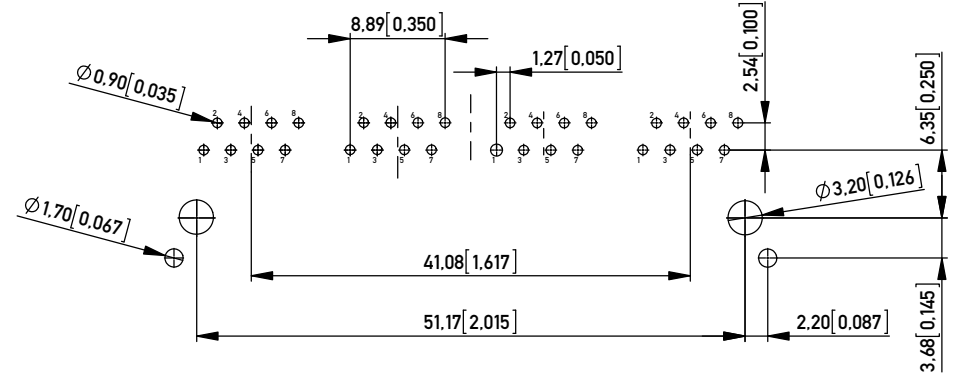
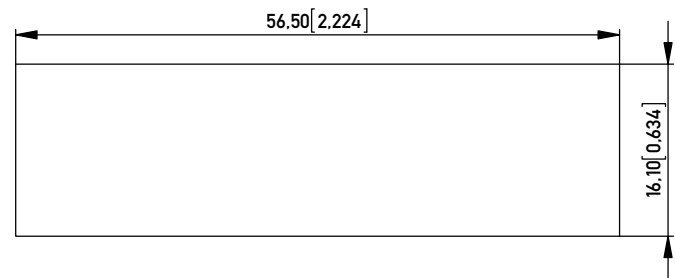


RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
 EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)
 TOL. ±0.05 [0.002] UNLESS NOTED



RECOMMENDED PANEL CUTOUT
 EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



Technical specifications

Materials & Finish

Insulation body	PBT
Contact material	Phosphor Bronze (C5210)
Contact finish, mating zone	30µin Au
Contact finish, termination zone	150-200µin Sn matte
Underplating	50-100µin Ni
Shell/shield material	C2680 (acc. JIS)
Shell/shield plating	30µin Ni

Assembly Process

Packaging	Tray
Solder temperature	240°C at 3-5s
Suitable assembly process	wave

Approvals

UL insulation body	V0
UL File No.	E145613
RoHS compliant	Yes

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/ testpane	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
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Std. applicable

IEC 603-7	max. 20 N
IEC 512-5, 9a	min. 1.000
IEC 512-8, 15f	50 N

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

PART NO. IDENT. NR.	TRANSMISSION REQUIREMENT ÜBERTRAGUNGSANFORDERUNG
100103210076	CATEGORY 3/4
Information:	Tolerances x ±0.50 x.x ±0.38 x.xx ±0.25
	Scale 2:1
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	Designation MOD - JACK - MJV 8P8C, 1 x 4 VERTICAL
	100103210076
	www.ERNI.com
	Class MJ
Index	Date

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