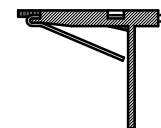


IMPROVED CONTACT DESIGN
(PRE BEND)



Technical specifications

Materials & Finish	Standard applic.	Value
Insulation body	Standard description	PA66
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)
Plating shield / shielding pin		50 µin Ni / 80 µin Sn

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	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

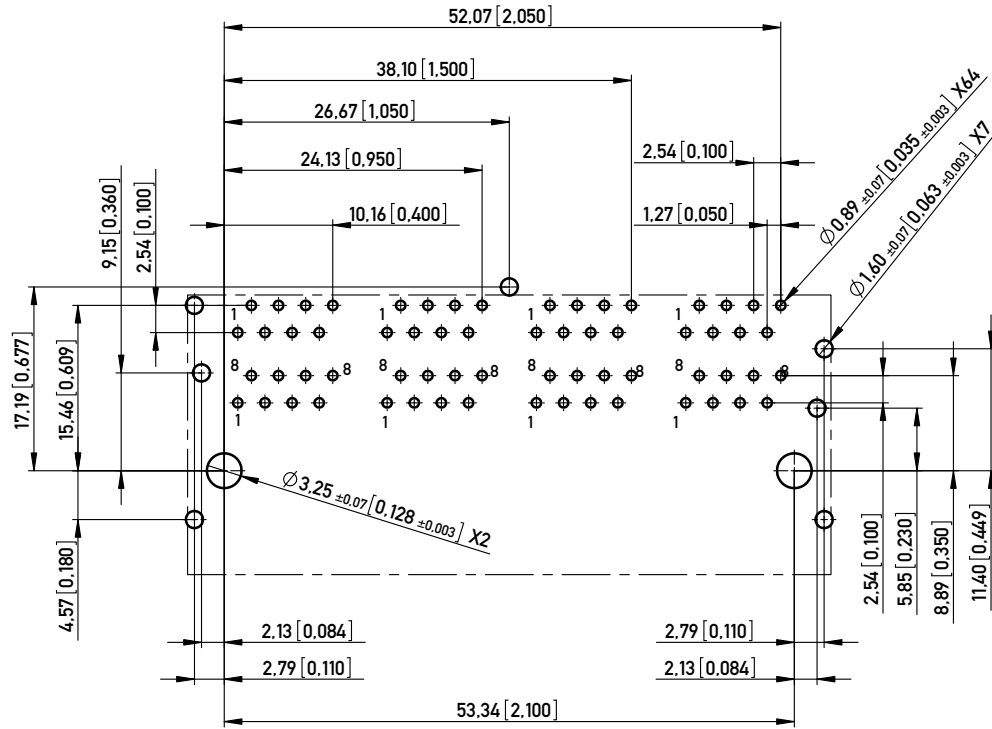
Environmental properties		
Operation temperature		0 - 70° C

- NOTE 1: ONE REAR GROUND PIN CENTERED
 NOTE 2: C - UL APPROVED E145613 AND MEETS FCC REQUIREMENTS
 NOTE 3: 3 SIDE GROUND PINS EACH SIDE; STAGGERED (S1)
 NOTE 4: RoHS COMPLIANT

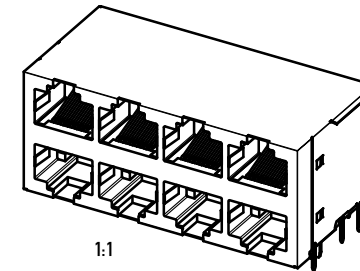
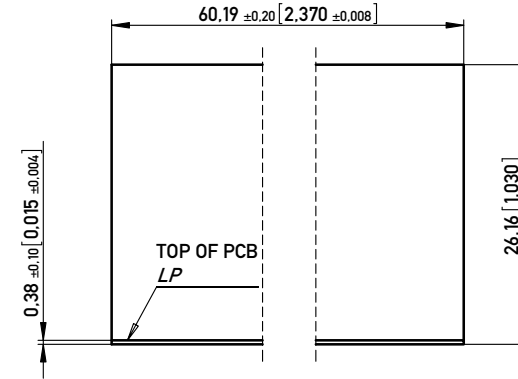
Information:		Tolerances	All Dimensions in mm [in]	Scale	2:1
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		www.ERNI.com		MOD JACK - MJD 8P8C, 2X4, CATEGORY 5	
				100103210057	
				K	
				A3	
b	29.10.2014			Class MJ	
Index	Date				

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





RECOMMENDED PANEL CUTOUT
 EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



1:1

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b	29.10.2014	100103210057		K	
Index	Date	Class		MJ	
				A3	