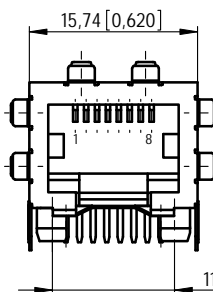
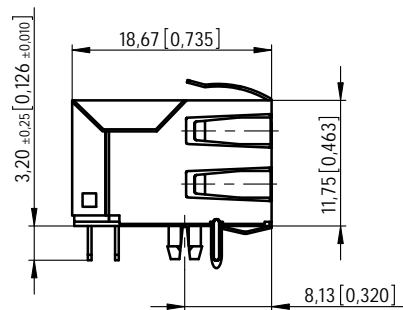


1,27 [0,050]



15,74 [0,620]

11,43 ±0,13 [0,450 ±0,005]

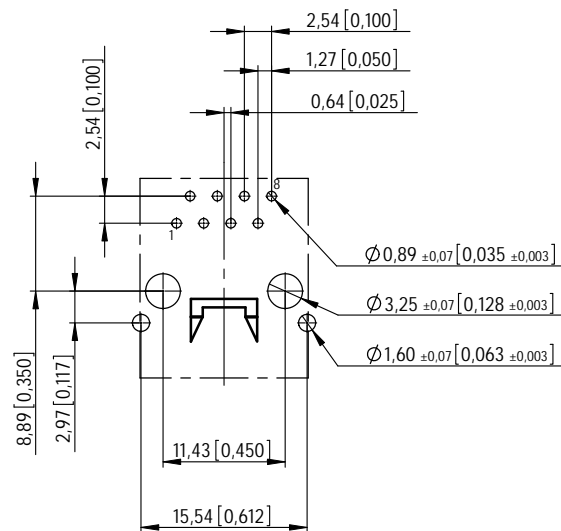


3,20 ±0,25 [0,126 ±0,010]

18,67 [0,735]

8,13 [0,320]

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



2,54 [0,100]

1,27 [0,050]

0,64 [0,025]

2,54 [0,100]

8,89 [0,350]

2,97 [0,117]

∅ 0,89 ±0,07 [0,035 ±0,003]

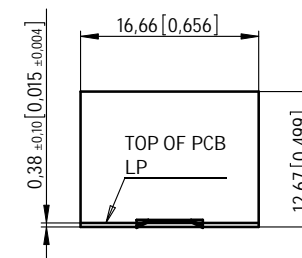
∅ 3,25 ±0,07 [0,128 ±0,003]

∅ 1,60 ±0,07 [0,063 ±0,003]

11,43 [0,450]

15,54 [0,612]

RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



0,38 ±0,10 [0,015 ±0,004]

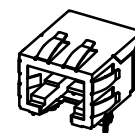
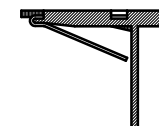
16,66 [0,656]

TOP OF PCB

LP

12,67 [0,499]

IMPROVED CONTACT DESIGN
(PRE BEND)



1:1

NOTE 1: PANEL GROUND FLANGES BOTH SIDES, BOTTOM AND TOP (GF5)
NOTE 2: RoHS COMPLIANT

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 | see chart |
| 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 | 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

| Mechanical properties | Standard applic. | Value |
|--|------------------|------------|
| 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 |
|-----------------------|-----------|

| PART NO. IDENT. NR. | CONTACT FINISH OBERFLÄCHENBEHANDLUNG |
|------------------------|---|
| 133271 | 0,8µm Au [30µin], OVER 1,25 [50µin]Ni |

| | | | |
|--|---|----------------------------------|------------------------------|
| Information: | Tolerances | Scale 2:1 | |
| All rights reserved. Only for Information. To insure that this is the latest version of this drawing, please contact one of the ERNI companies before using. | Subject to modification without prior notice. Drawing will not be updated. | <p>All Dimensions in mm [in]</p> | Designation |
| | | | MOD JACK - MJLS 8P8C, 1X1 |
| | www.ERNI.com | 133701 | 1 (1/1) A3 |
| F | 29.08.2007 | | |
| Index | Date | | |
| | | Class | MJ |

Copyright by ERNI GmbH
Proprietary notice pursuant to ISO 16766 to be observed