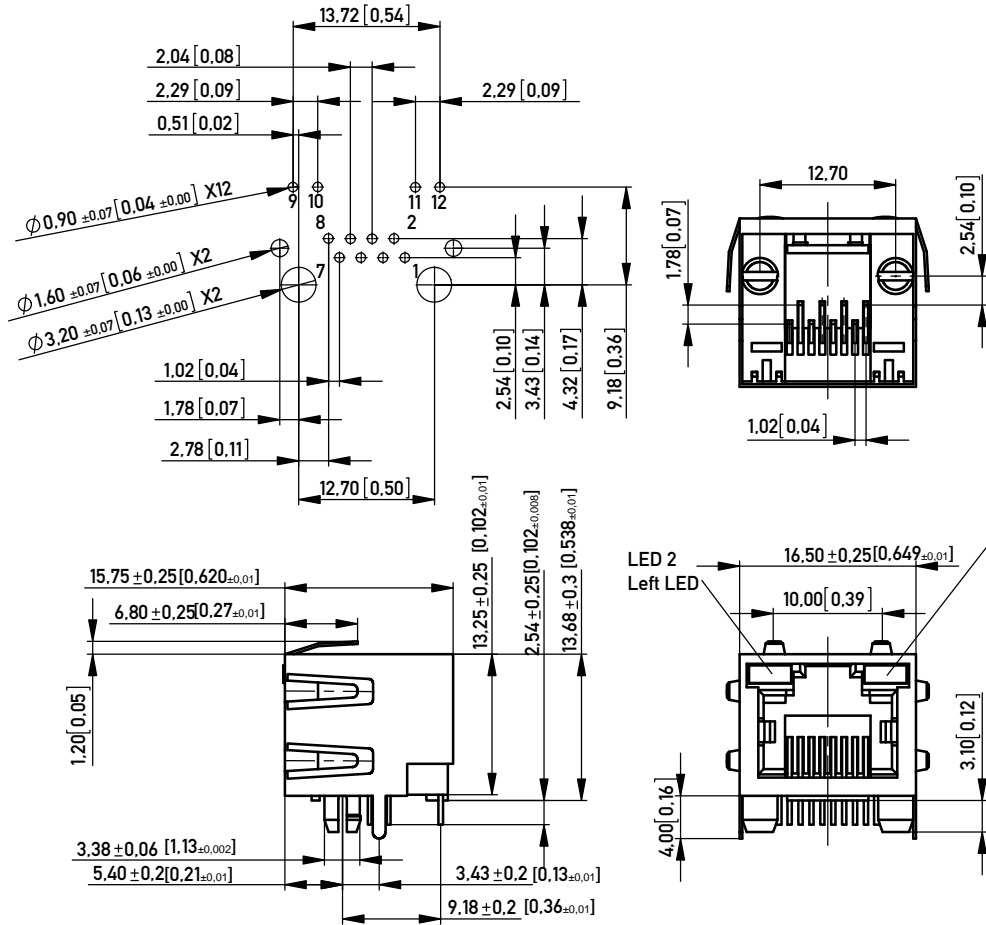
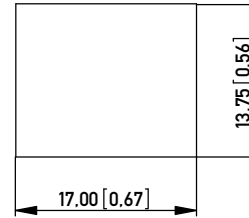


RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)  
 EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)  
 TOL. ±0.05 [0.002] UNLESS NOTED



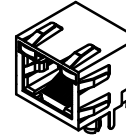
RECOMMENDED PANEL CUTOUT  
 EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



LED SPECIFICATIONS

| COLOR FARBE    | V <sub>f</sub> TYP | V <sub>f</sub> MAX | I <sub>f</sub> mA | CIRCUIT DIAGRAM SCHALTSKIZZE |
|----------------|--------------------|--------------------|-------------------|------------------------------|
| YELLOW         | 2.1                | 2.5                | 20                |                              |
| GREEN          | 2.2                | 2.5                | 20                |                              |
| RED            | 2.25               | 2.5                | 20                |                              |
| ORANGE / GREEN | 2.05 / 2.2         | 2.5                | 20                |                              |
| GREEN / ORANGE | 2.2 / 2.05         | 2.5                | 20                |                              |

Notes: Cavity confirms to FCC Rules and Regulations Part 68, Subpart F



1:1

| NO. IDENT. NR. | LED 2 LEFT     | LED 1 RIGHT    | LED CODE |
|----------------|----------------|----------------|----------|
| 203532         | YELLOW         | GREEN          | L1       |
| 203533         | GREEN          | YELLOW         | L2       |
| 203534         | GREEN          | GREEN          | L3       |
| 203535         | YELLOW         | YELLOW         | L8       |
| 203536         | ORANGE / GREEN | ORANGE / GREEN | L9       |
| 203537         | RED            | GREEN          | L5       |
| 203538         | GREEN / ORANGE | YELLOW         | L11      |

Technical specifications

Materials & Finish

|                                  |                         |
|----------------------------------|-------------------------|
| Insulation body                  | PA46 GF30               |
| Contact material                 | Phosphor Bronze (C5210) |
| Contact finish, mating zone      | 30µm Au                 |
| Contact finish, termination zone | Au flash                |
| Underplating                     | 20-50µm Ni              |
| Shell/shield material            | C2680 (acc. JIS)        |
| Shell/shield plating             | 20-50µm Ni              |

Assembly Process

|                           |               |
|---------------------------|---------------|
| Packaging                 | Tray          |
| Solder temperature        | 260°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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|  |  |  |               |
|--|--|--|---------------|
| Information:   | Tolerances<br>x ±0.50<br>x.x ±0.38<br>x.xx ±0.25                           |  | Scale 2:1     |
| All rights reserved. Only for Information. To ensure 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. | Designation<br><b>MOD JACK- MJE<br/>8P8C, 1X1, LED</b> |               |
|  | www.ERNI.com   | <b>203531</b>  | 1 (1/1)<br>A3 |
| Index  | Date 12.12.2013  | Class  | MJ            |