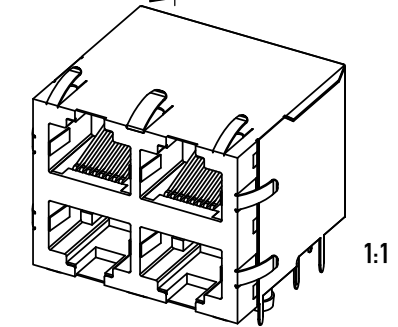
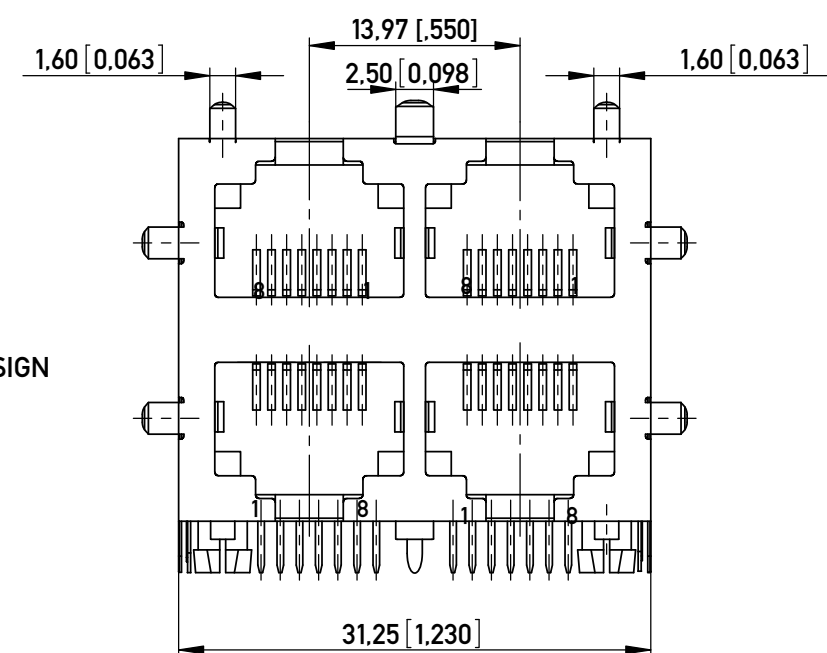
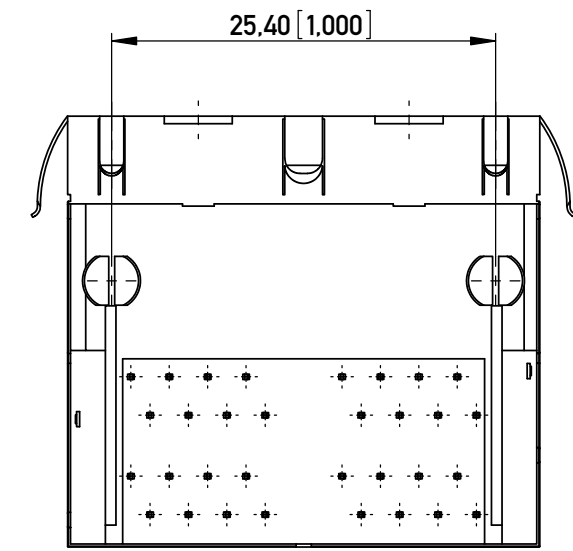
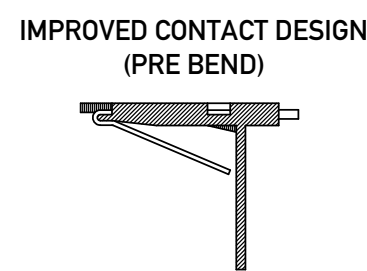
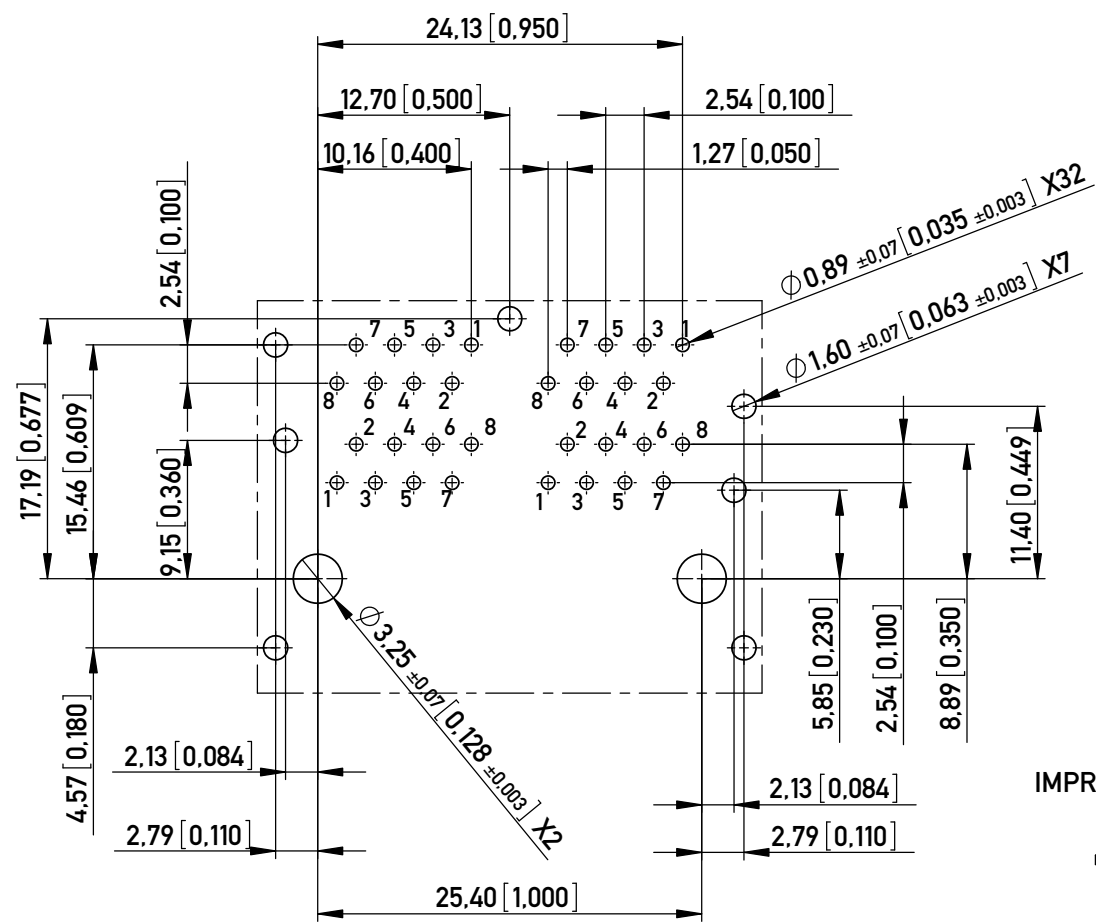
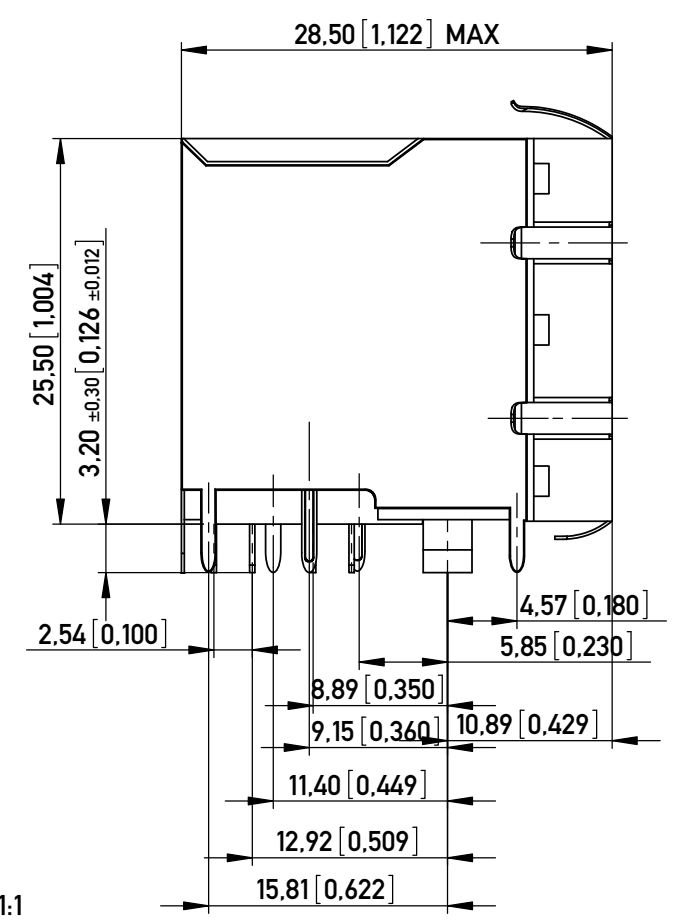
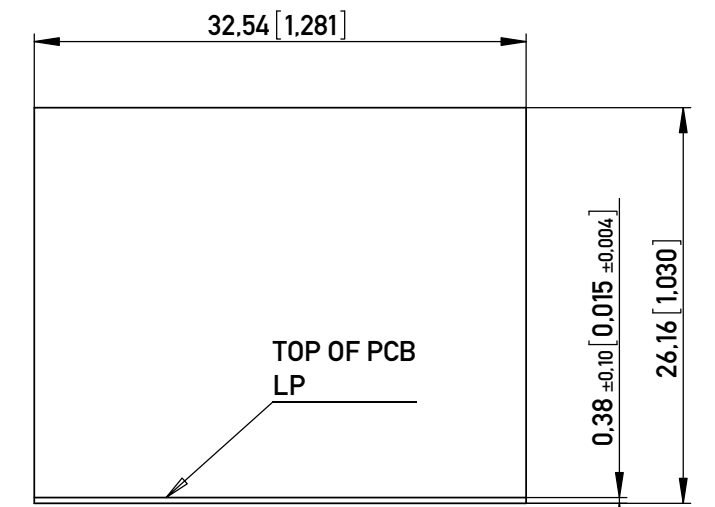


RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
 EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)
 TOL. ±0.05 [0.002] UNLESS NOTED



RECOMMENDED PANEL CUTOUT
 EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



NOTE 1: PANEL GROUND FLANGES TOP, BOTTOM, SIDES (GF9)
 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 | 30 µm Au over 50 µm Ni |
| Contact finish termination zone | Thickness of plating | 80 µm matte Sn over 50 µm Ni |
| Shell/shield material | Standard description | SUS301 (acc.JIS) |
| Plating shield / shielding pin | | 80 µm Ni / 80 µm 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

| 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 | Standard applic. | Value |
|--|------------------|--------------------|
| 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 Fraction Decimals Angles X ±0.50 ±1° XX ±0.25 XXX ±0.25 XXXX ±0.10 | 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 MOD JACK -MJD 8P8C, 2X2 |
| www.ERNI.com | 133041 | I (1/1) A3 |
| d 23.09.2014 | Date | Class MJ |

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