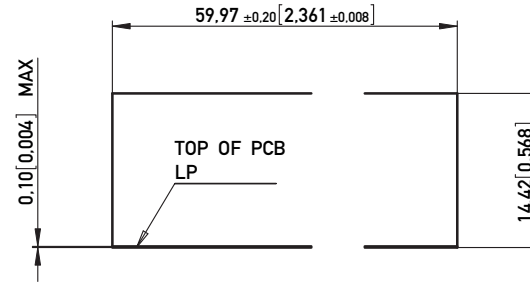
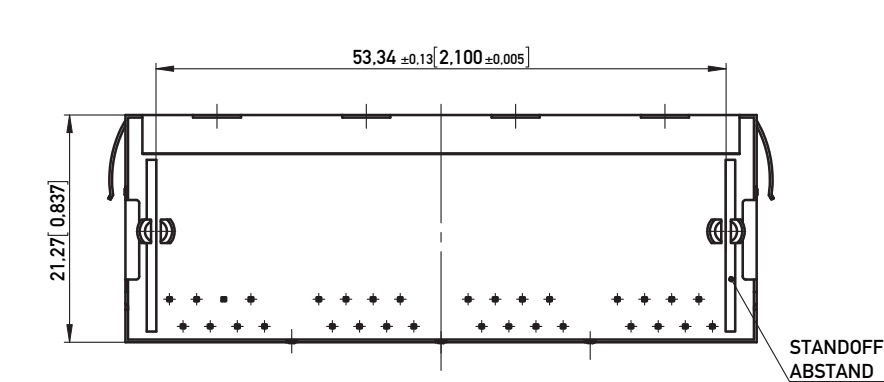
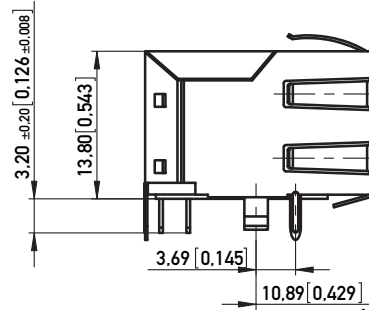
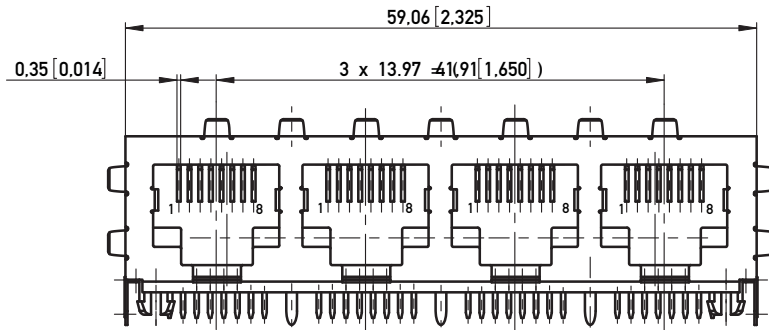
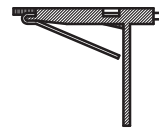


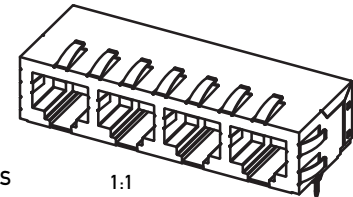
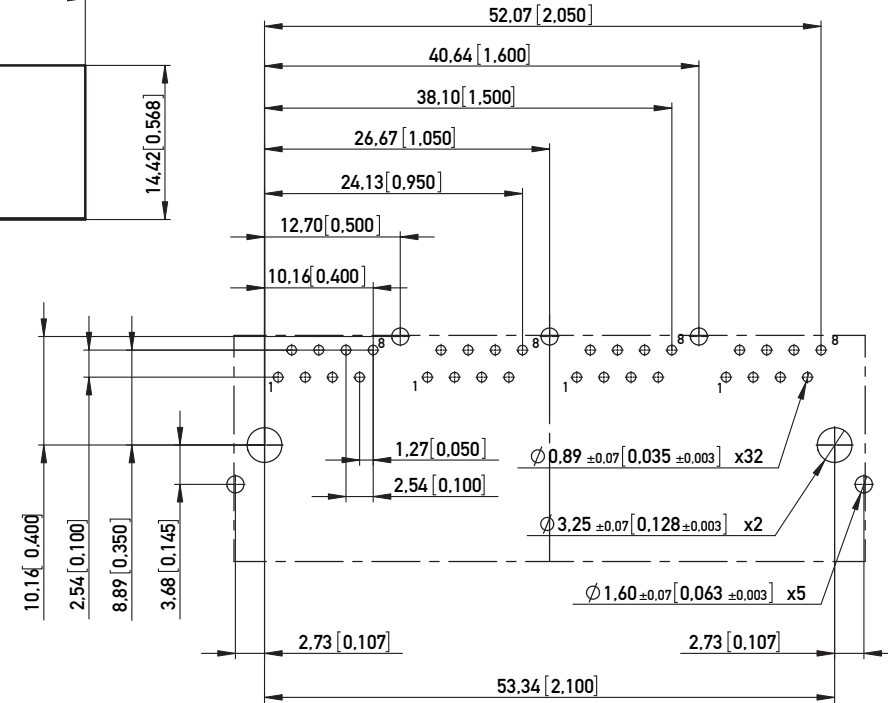
RECOMMENDED PANEL CUTOUT  
EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



IMPROVED CONTACT DESIGN  
(PRE BEND)



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



- NOTE 1: PANEL GROUND FLANGES TOP, BOTTOM, SIDES (GF5)  
NOTE 2: GROUNDING PIN BETWEEN EACH PORT (T)  
NOTE 3: C-UL APPROVED E145613 AND MEETS FCC REQUIREMENTS  
NOTE 4: 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 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 | 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

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 |
|-----------------------|-----------|

| PART NO.<br>IDENT. NR. | TRANSMISSION REQUIREMENT<br>ÜBERTRAGUNGSANFORDERUNG |
|------------------------|-----------------------------------------------------|
| 133919                 | CATEGORY 5                                          |
| 133496                 | CATEGORY 5E                                         |

|                                                                                                                                                                    |                                                                               |              |                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------|-------------------------------------------|
| Information:                                                                                                                                                       | Tolerances                                                                    | Scale 2:1    | Designation                               |
| All rights reserved.<br>Only for Information.<br>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.<br>Drawing will not be updated. | www.ERNI.com | MOD JACK - MJR<br>8P8C, 1X4<br><br>133810 |
| G                                                                                                                                                                  | 29.08.2007                                                                    |              | 1 (1/1)                                   |
| Index                                                                                                                                                              | Date                                                                          |              | A3                                        |
|                                                                                                                                                                    |                                                                               | Class        | MJ                                        |

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