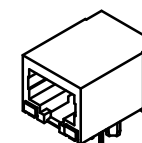
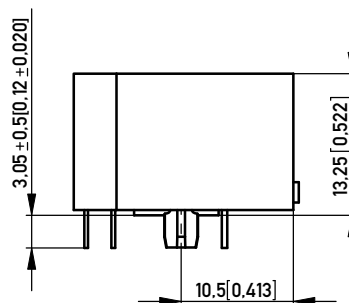
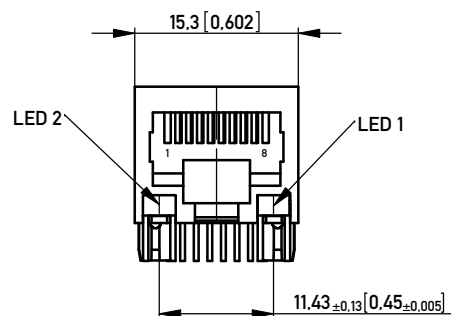
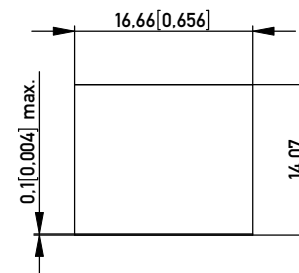
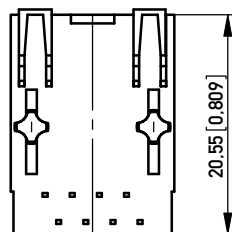


RECOMMENDED PANEL CUTOUT  
EMPFOHLENER FRONTPLATTEN AUSSCHNITT



MATERIALS AND FINISH

HOUSING: GLASS FILLED POLYESTER UL 94 V-0 BLACK

CONTACTS: PHOSPHOR BRONZE

CONTACT FINISH: Au, 0.8 µm (30 µin) OVER Ni

TERMINAL FINISH: Sn MATTE

LED LENS: EPOXY

MECHANICAL CHARACTERICS

DURABILITY: 1000 MATING CYCLERS

ELECTRICAL CHARACTERISTICS

CONTACT RESISTANCE: 30 MILLIOHMS MAX

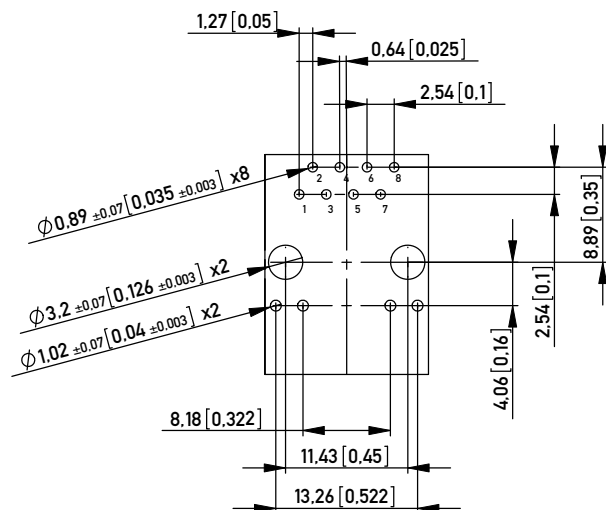
OPERATING TEMPERATURE: 0°C TO 70°C

| No.<br>Ident-Nr. | LED 2 left<br>LED 2 links | LED 1 right<br>LED 1 rechts | LED<br>Code |
|------------------|---------------------------|-----------------------------|-------------|
| 203292           | green                     | yellow                      | L2          |

|                                                                                                                                                                             |  |                                                                                  |                                                                                         |           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------|
| Information:<br><b>Schematic No. M3D01</b>                                                                                                                                  |  | Tolerances<br>±0.2 mm (±0.008 inch)<br>if not specified                          |                                                                                         | Scale 2:1 |
| All rights reserved.<br>Only for Information.<br>To ensure that this is the latest<br>version of this drawing, please<br>contact one of the ERNI companies<br>before using. |  | Subject to modification without<br>prior notice.<br>Drawing will not be updated. |                                                                                         |           |
| a                                                                                                                                                                           |  | 01.09.2010                                                                       | Designation<br><b>MOD-JACK- MJIM</b><br><b>8C8T,1x1, LED, NON-SHIELDED</b>              |           |
| Index                                                                                                                                                                       |  | Date                                                                             | <a href="http://www.ERNI.com">www.ERNI.com</a><br><b>203292</b><br>1 (1/2)<br><b>A3</b> |           |
|                                                                                                                                                                             |  |                                                                                  | Class MJIM                                                                              |           |

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RECOMMENDED PCB LAYOUT - COMPONENT SIDE VIEW  
 EMPFOHLENES LEITERPLATTEN-LAYOUT - BESTÜCKUNGSSEITE  
 ALL TOLERANCES  $\pm 0.05$  UNLESS NOTED



MAGNETICS SPECIFICATIONS @ 25°C

AUTO MDIX COMPATIBLE

URNS RATIO:

(P1-P2 : J1-J2) 1CT :  $1 \pm 3\%$

(P3-P6 : J3-J6) 1CT :  $1 \pm 3\%$

OCL (100 KHz, 0.1 V, 8 mA)

(P1-P2 : P3-P6) 350  $\mu$ H MIN

DCR (P1-P2, P3-P6) 0.9 Ohms MAX

INSERTION LOSS:

0.1 MHz-100 MHz -1.1 dB MAX

RETURN LOSS:

0.5 MHz-30 MHz -18 dB MIN

40 MHz -15.5 dB MIN

50 MHz -13.6 dB MIN

60 MHz-80 MHz -12 dB MIN

CROSSTALK:

1 MHz-100MHz -40 dB TYP

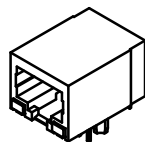
COMMON MODE REJECTION

0.1 - 30 MHz -50 dB TYP

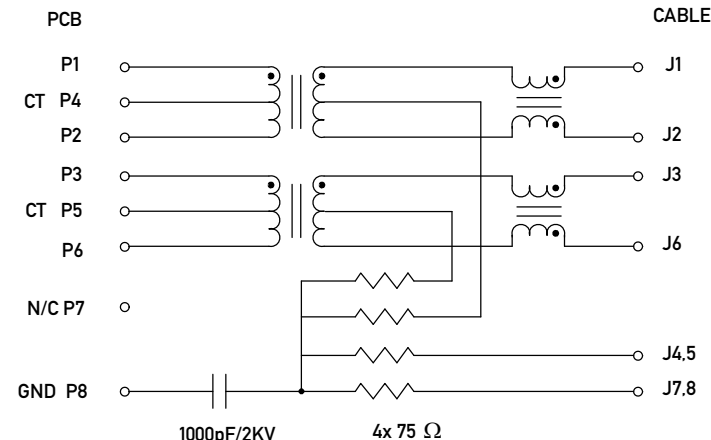
30 - 60 MHz -40 dB TYP

60 - 100 MHz -35 dB TYP

ISOLATION 1500 Vrms



ELECTRICAL SCHEMATIC M3D01  
 ELEKTRISCHER SCHALTPLAN



| COLOR<br>FARBE | Vf<br>TYP | Vf<br>MAX | If<br>mA | CIRCUIT DIAGRAM<br>SCHALTPLAN |
|----------------|-----------|-----------|----------|-------------------------------|
| yellow         | 2.1       | 2.5       | 20       |                               |
| green          | 2.2       | 2.5       | 20       |                               |

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|                                                                                                                                                                             |  |            |  |                                                                                                    |  |                                                                                                                  |  |                                                                      |  |         |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|--|----------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------|--|---------|--|
| Information:                                                                                                                                                                |  |            |  | Tolerances<br><br>±0.2 mm (±0.008 inch)<br>if not specified                                        |  | <br>All Dimensions<br>in mm |  | Scale<br>2:1                                                         |  |         |  |
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|                                                                                                                                                                             |  |            |  |                                                                                                    |  |                                                                                                                  |  |                                                                      |  |         |  |
| a                                                                                                                                                                           |  | 01.09.2010 |  |  www.ERNI.com |  | 203292                                                                                                           |  |                                                                      |  | 1 (2/2) |  |
| Index                                                                                                                                                                       |  | Date       |  |                                                                                                    |  |                                                                                                                  |  |                                                                      |  | A3      |  |
|                                                                                                                                                                             |  |            |  |                                                                                                    |  |                                                                                                                  |  | Class MJIM                                                           |  |         |  |