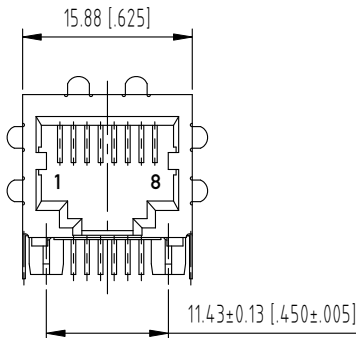
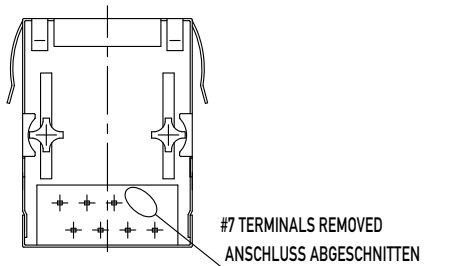
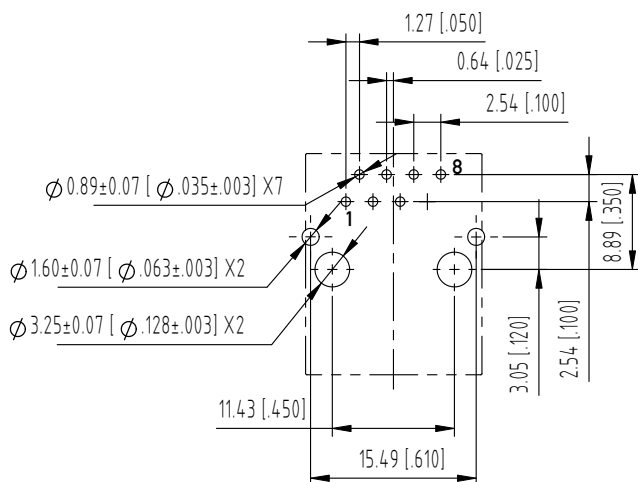
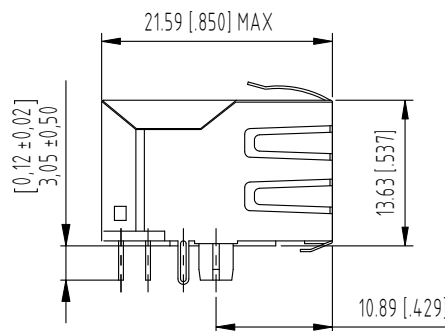
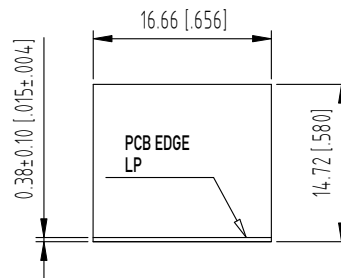




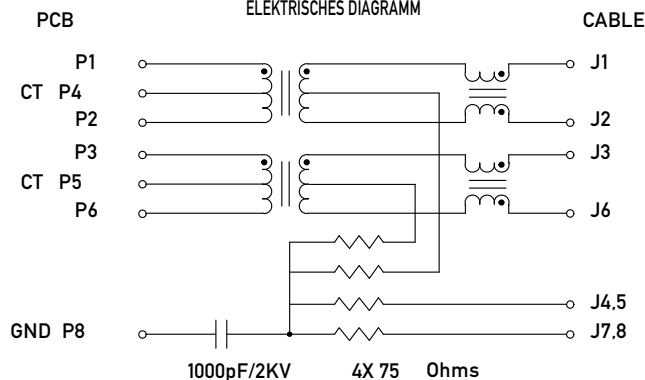
RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENER FUER LEITERPLATTE (BESTUECKUNGSSEITE)
TOL ±0.05 [.002] UNLESS NOTED



RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN AUSSCHNITT



ELECTRICAL SCHEMATIC M3D01
ELEKTRISCHES DIAGRAMM



MAGNETICS SPECIFICATIONS @ 25°C

AUTO MDIX COMPATIBLE

TURNS RATIO:

(P1-P2 : J1-J2) 1CT : 1±3%

(P3-P6 : J3-J6) 1CT : 1±3%

OCL(100 KHz, 0.1 Vrms, 8 mA)

(P1-P2 : P3-P6) 350µH MIN

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

INSERTION LOSS:

0.1-100 MHz -1.1 dB MAX

RETURN LOSS:

0.5 - 30 MHz: -18 dB MIN

40 MHz: -15.5 dB MIN

50 MHz: -13.6 dB MIN

60 - 80 MHz -12 dB MIN

CROSSTALK:

1-100 MHz -40 dB TYP

CMR:

0.1 - 30 MHz -50 dB TYP

30 - 60 MHz -40 dB TYP

60 - 100 MHz -35 dB TYP

ISOLATION 1500 Vrms

NOTE 1: PANEL GROUND FLANGES BOTH SIDES AND TOP (GF5)

NOTE 2: SIDE GROUND TABS REAR OF PEG 3.05mm (R)

MATERIALS AND FINISH

HOUSING: GLASS FILLED POLYESTER UL 94 V-0 BLACK

SHIELDING: Cu ALLOY, PLATED WITH Ni

CONTACTS: PHOSPHOR BRONZE

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

TERMINAL FINISH: Sn matte

MECHANICAL CHARACTERISTICS

DURABILITY: 1000 MATING CYCLES

OPERATING TEMPERATURE: 0°C TO 70°C

Copyright by ERNI GmbH
Proprietary notice pursuant to ISO 16116 to be observed.

Information:		Tolerances	 All Dimensions in mm	Scale	1:1
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 - MJIM 8C7T, 1X1, INTEGRATED MAGNETICS
H	12.03.2008	 www.ERNI.com	133723	Class	MAXMJ
Index	Date				

1 (1/1)

A3

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ERNI Electronics:](#)

[133723](#)