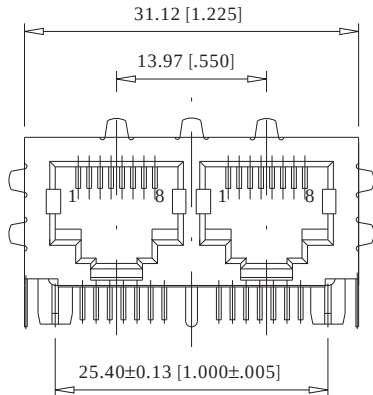
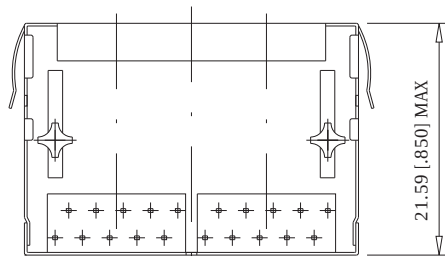
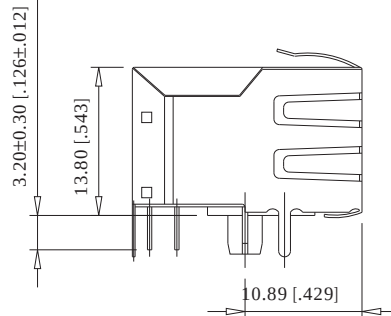
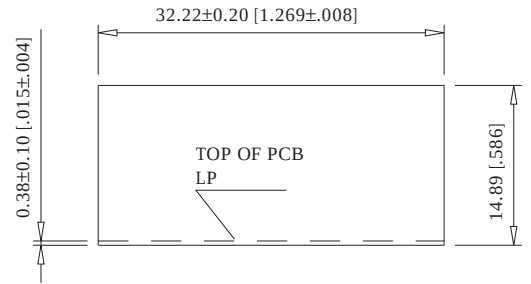
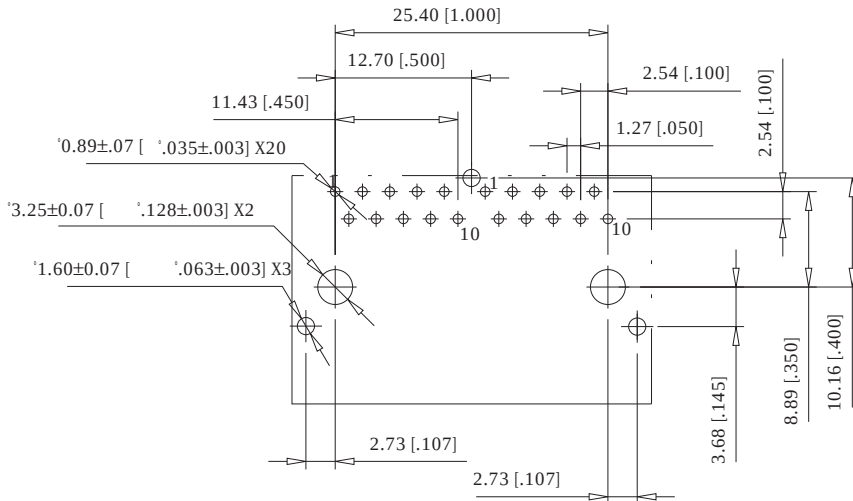




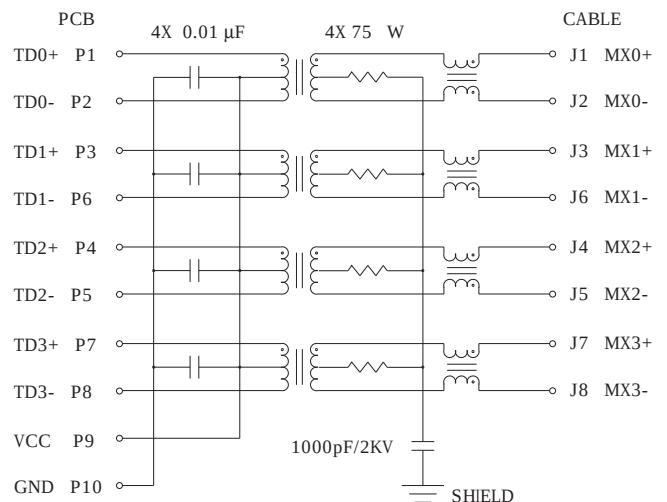
RECOMMENDED PANEL
CUTOUT
EMPFOHLENER FRONTPLATTEN AUSSCHNITT



RECOMMENDED PCB LAYOUT - COMPONENT SIDE VIEW
EMPFOHLENER FUER LEITERPLATTE - BESTÜCKUNGSSEITE
ALL TOLERANCES ±0.05 UNLESS NOTED



ELECTRICAL SCHEMATICS 1000 BASE T - M5B02
ELEKTRISCHES DIAGRAMM



MAGNETICS SPECIFICATIONS @ 25°C

Turns Ratio: 1CT:1CT ±3%

OCL(100 KHz, 0.1 V, 8 mA) 350 µH MIN

Insertion Loss:

1-100 MHz -1.1 dB MAX

Return Loss:

1-40 MHz -18 dB MIN

60 MHz -14 dB MIN

80 MHz -12 dB MIN

100 MHz -10 dB MIN

Crosstalk (1-100 MHz) -40 dB MIN

CMR (1-100 MHz) -40 dB TYP

Isolation 1500 Vrms

MATERIALS AND FINISH

Housing: Glass Filled Polyester UL 94 V-0 Black

Shielding: Cu Alloy, Plated with Ni

Contacts: Phosphor Bronze

Contact Finish: Au, 0.8µm [30µin]

Terminal Finish: Sn

MECHANICAL CHARACTERISTICS

Durability: 1000 Mating Cycles

ELECTRICAL CHARACTERISTICS

Contact Resistance: 30 Milliohms Max

Operating Temperature: 0°C to 70°C

NOTE 1: Side Shield Tabs in Front 3.68mm (F2)

NOTE 2: One Rear Shield Tab Centered

NOTE 3: Panel Ground Flanges Both Sides, Bottom and Top (GF5)

Information:	Tolerances		Scale	2:1	-
SCHEMATIC NUMBER: M5B02		All Dimensions in mm	-		
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ERNI		www.ERNI.com	MOD JACK - MJIM		
a		30OCT03	8C10T, 1X2, INTEGRATED MAGNETICS		
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