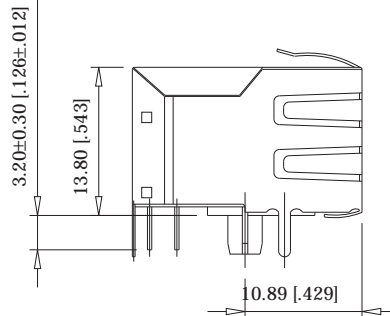
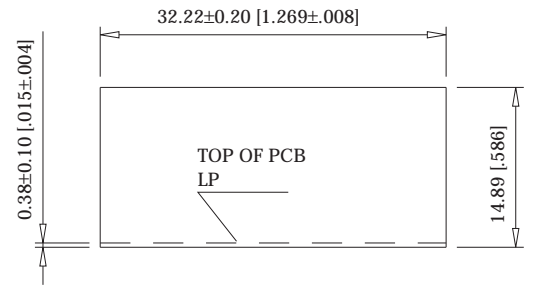
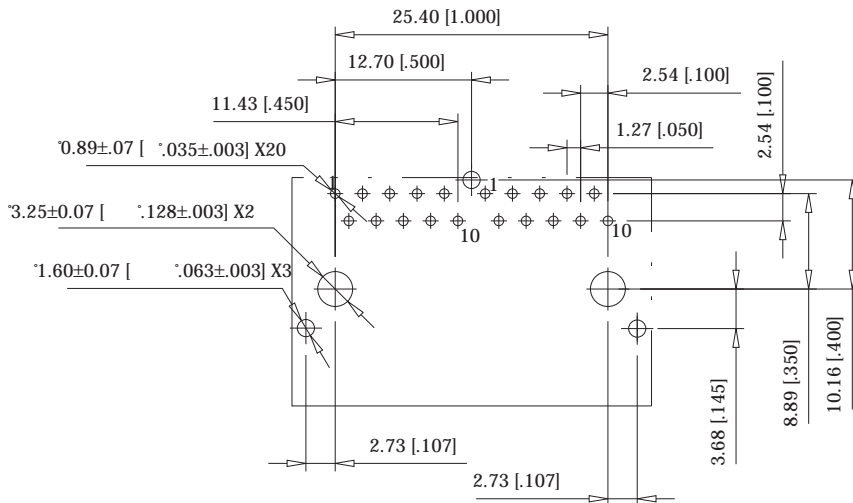


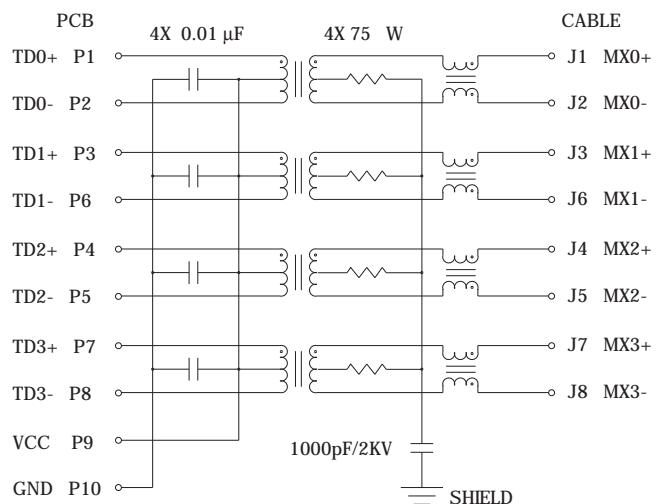
RECOMMENDED PANEL CUTOUT
EMPFÖHLENER FRONTPLATTEN AUSSCHNIIT



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



ELECTRICAL SCHEMATICS 1000 BASE T - M5B02
ELEKTRISCHES DIAGRAMM



MAGNETICS SPECIFICATIONS @ 25°C

URNS 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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			MOD JACK - MJIM		
		www.ERNI.com	8C10T, 1X2, INTEGRATED MAGNETICS		
a	30OCT03		203218		
Index	Date		MAXM		

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