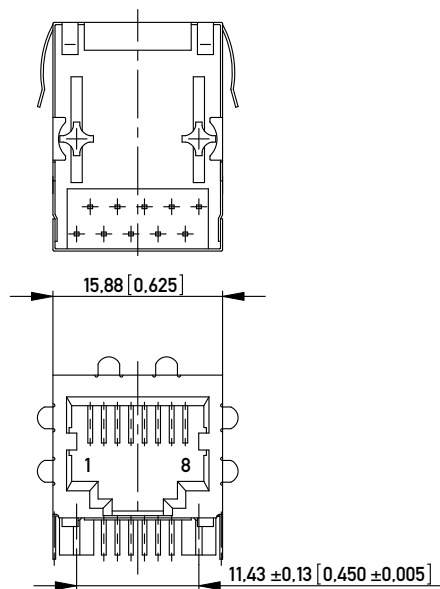
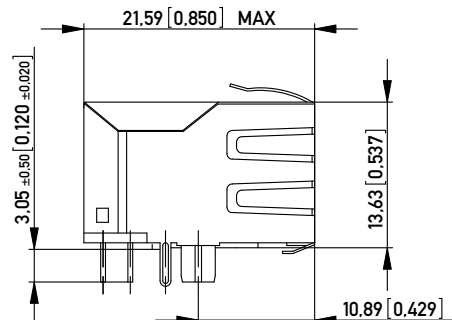
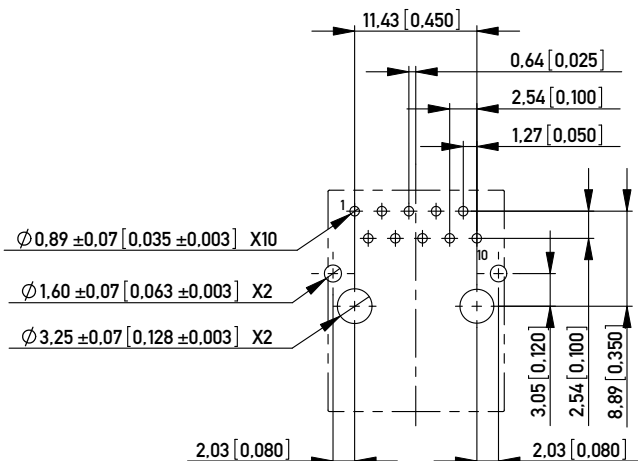
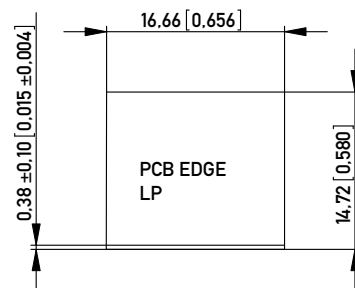




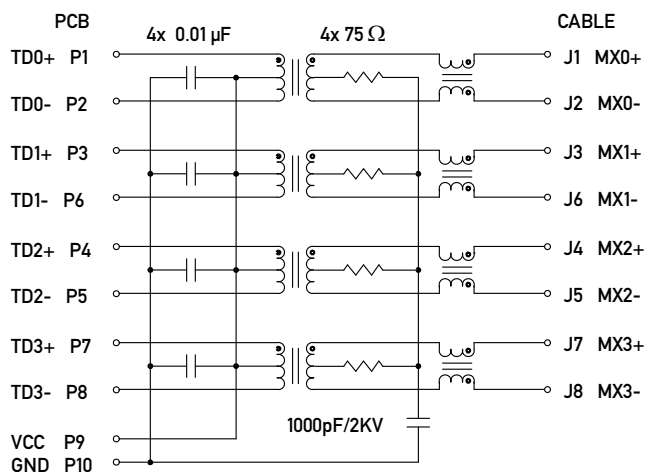
RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)
TOL ±0.05 [0.002] UNLESS NOTED



RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN AUSSCHNITT



ELECTRICAL SCHEMATICS 1000 BASE T - M5B01
ELEKTRISCHER SCHALTPLAN



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	-35 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

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] OVER Ni
TERMINAL FINISH: Sn MATTE

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 REAR 3.05mm (R)

NOTE 2: PANEL GROUND FLANGES BOTH SIDES, TOP AND BOTTOM (GF5)

NOTE 3: RoHS COMPLIANT

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	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 8C10T, 1x1, INTEGRATED MAGNETICS	
	E Index	07.03.2008 Date	www.ERNI.com 	203189 I (1/1) A3
			Class MJ	