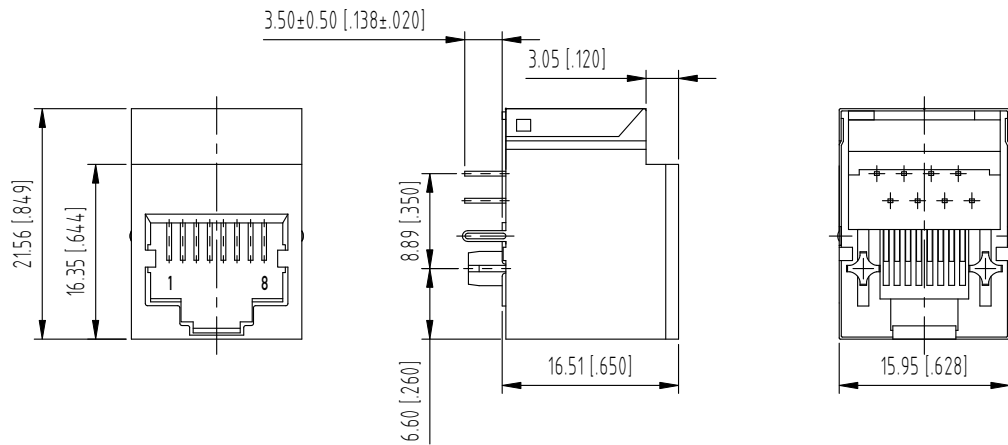
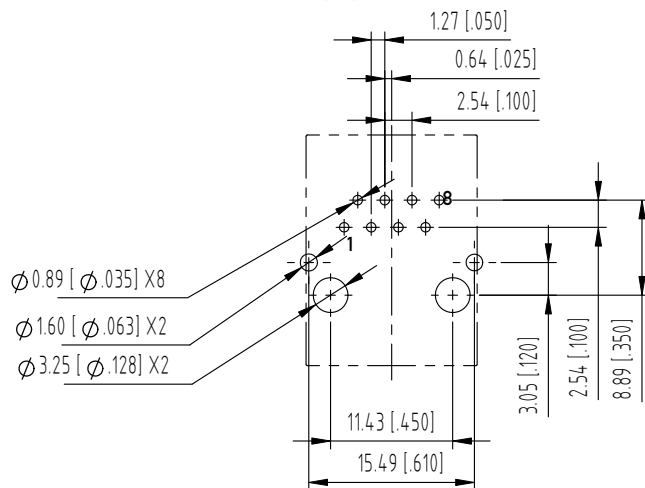
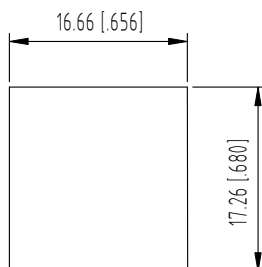


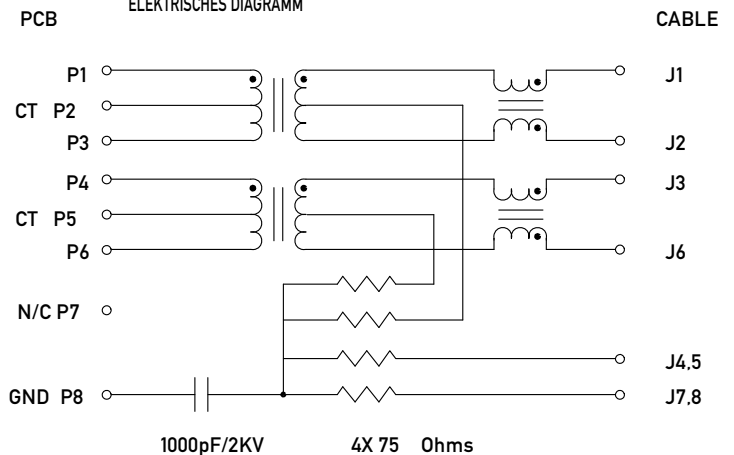
RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENER FUER LEITERPLATTE (BESTUECKUNGSSEITE)
TOL ±0.05 [002] UNLESS NOTED



RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN AUSSCHNITT



ELECTRICAL SCHEMATIC - 10/100 BASE TX - H3D02
EXTENDED TEMPERATURE RANGE
ELEKTRISCHES DIAGRAMM



MAGNETICS SPECIFICATIONS @ 25°C

AUTO MDIX COMPATIBLE

URNS RATIO:

(P1-P3 : J1-J2) 1CT : 1±3%
(P4-P6 : J3-J6) 1CT : 1±3%

OCL (100KHz, 0.1Vrms, 8mA)

(P1-P3 : P4-P6) 350pH MIN

DCR (P1-P3, P4-P6) 1.1 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 (0.1 MHz - 100 MHz): -40 dB TYP

COMMON MODE REJECTION

0.1 MHz - 30 MHz: -50 dB TYP

30 MHz - 60 MHz: -40 dB TYP

60 MHz - 100 MHz: -35 dB TYP

ISOLATION: 1500 Vrms

MATERIALS AND FINISH

(A)

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

ELECTRICAL CHARACTERISTICS

CONTACT RESISTANCE: 30 MILLIOHMS MAX

OPERATING TEMPERATURE: -40°C TO +85°C

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Information:		Tolerances	Scale	2:1		
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B	24.06.2008	ERNI	www.ERNI.com	203502	I (1/1)	A3
Index	Date			Class	MJIM	