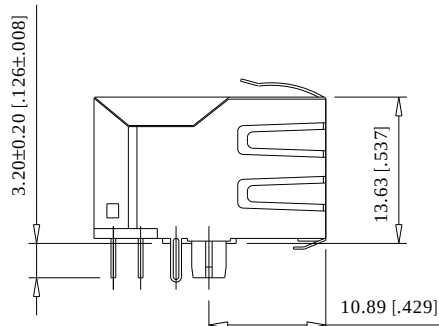
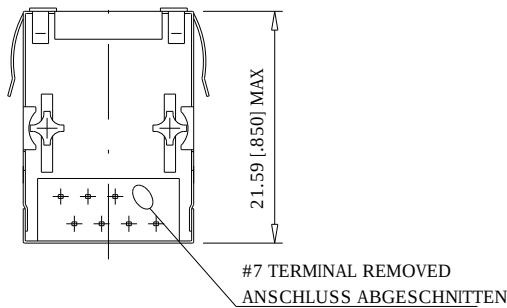
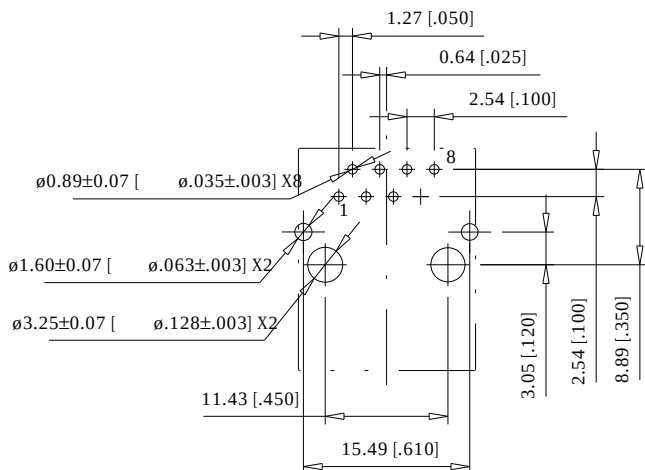
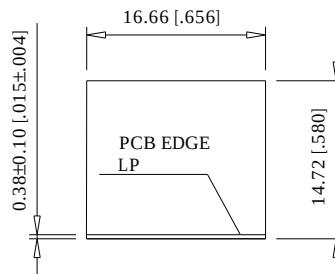




RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENER FUER LEITERPLATTE (BESTUECKUNGSSEITE)

TOL ±0.05 [.002] UNLESS NOTED

RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN AUSSCHNITT



MAGNETICS SPECIFICATIONS @ 25°C

AUTO MDIX COMPATIBLE

URNS RATIO:

(P1-P2 : J1-J2) 1CT : 1 ±3%

(P3-P6 : J3-J6) 1CT : 1 ±3%

OCL (100KHz, 0.1Vrms, 8mA)

(P1-P2 : P3-P6) 350µH MIN

DCR (P1-P2, P3-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

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: SnPb

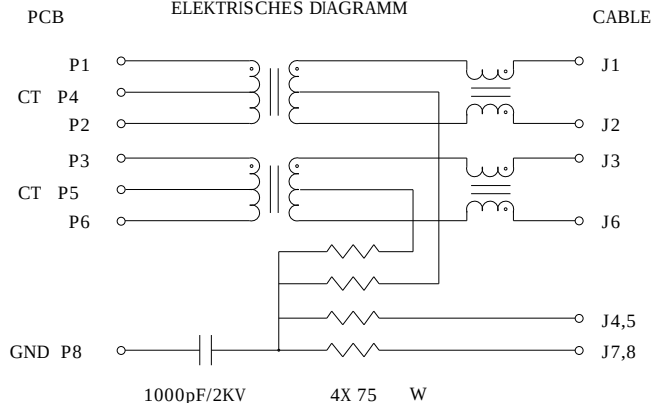
MECHANICAL CHARACTERISTICS

DURABILITY: 1000 MATING CYCLES

OPERATING TEMPERATURE: -40°C TO 85°C

ELECTRICAL SCHEMATIC - 10/100 BASE TX - H3D01 EXTENDED TEMPERATURE RANGE

ELEKTRISCHES DIAGRAMM



NOTE 1: SIDE SHIELD TABS IN REAR 3.05mm (R)

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

Consider protection memo from DN 34

Information:				Tolerances		 All Dimensions in mm		Scale 2:1		Class. No. -	
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						MOD JACK - MJIM					
						8C7T, 1X1, INTEGRATED MAGNETICS					
b		02JUL04				www.ERNI.com		203338			
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