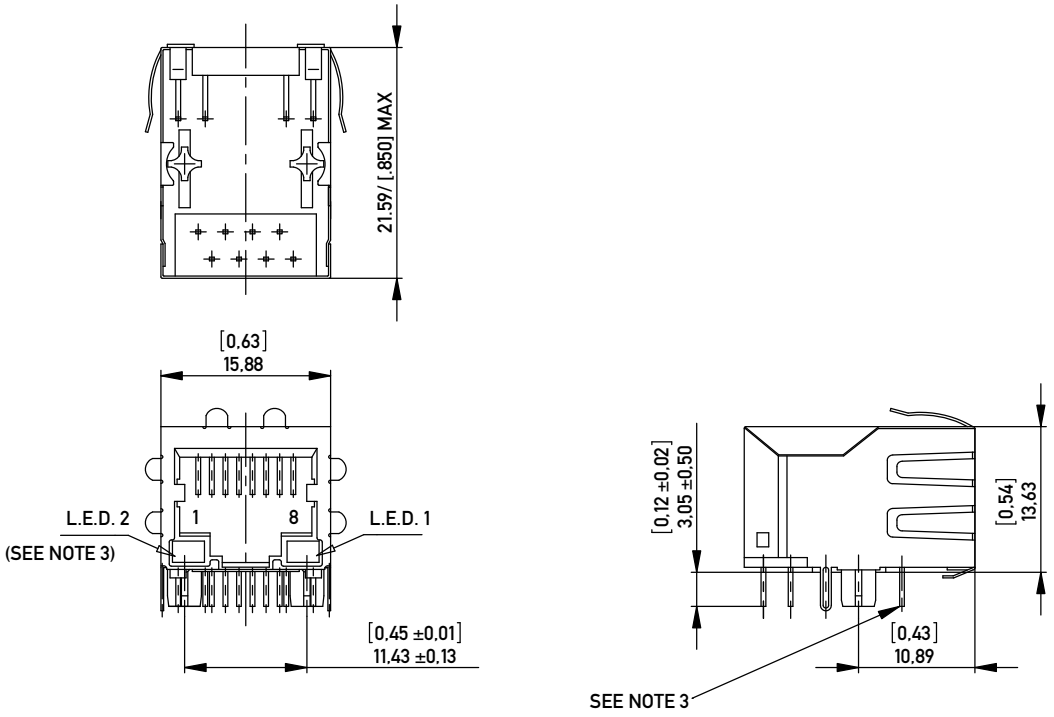
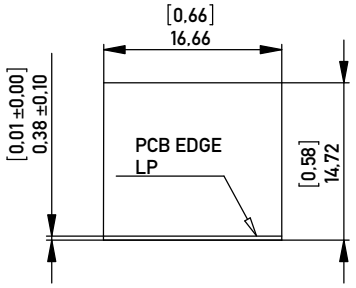


RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN AUSSCHNITT



NOTE 1: SIDE SHIELD TABS IN REAR 3.05mm (R)
NOTE 2: PANEL GROUND FLANGES BOTH SIDES AND TOP (GF5)
NOTE 3: APPLICABLE FOR PART 203503:
- NO LED PINS
- SHIELD ON FRONT SIDE WITHOUT LED OPENINGS

NO. IDENT. NR.	LED 2 LEFT LED 2 LINKS	LED 1 RIGHT LED 1 RECHTS	LED CODE
203503	None	None	None
203336	YELLOW	GREEN	L1

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: Sn matte
LED LENS: EPOXY
MECHANICAL CHARACTERISTICS
DURABILITY: 1000 MATING CYCLES
ELECTRICAL CHARACTERISTICS
CONTACT RESISTANCE: 30 MILLIOHMS MAX
OPERATING TEMPERATURE: -40°C TO 85°C

Information:
SCHEMATIC NUMBER: H3D02

Tolerances
All Dimensions in mm

Scale 2:1

Subject to modification without prior notice.
Drawing will not be updated.

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Designation
MOD JACK - MJIM
8C8T, 1X1, INT. MAG., LED ALIGNED

203504

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A3

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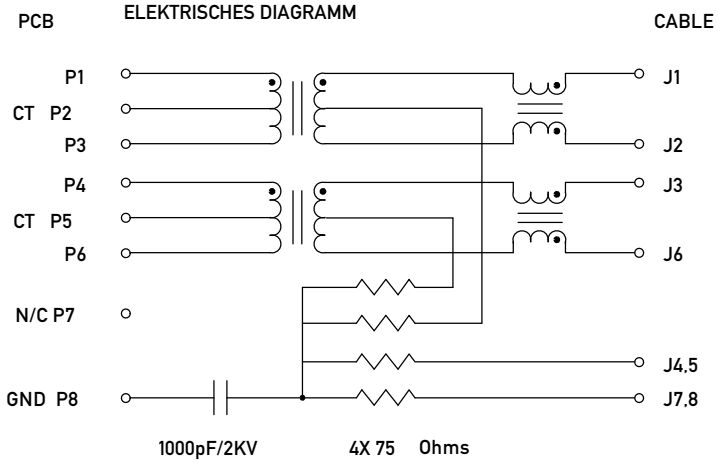
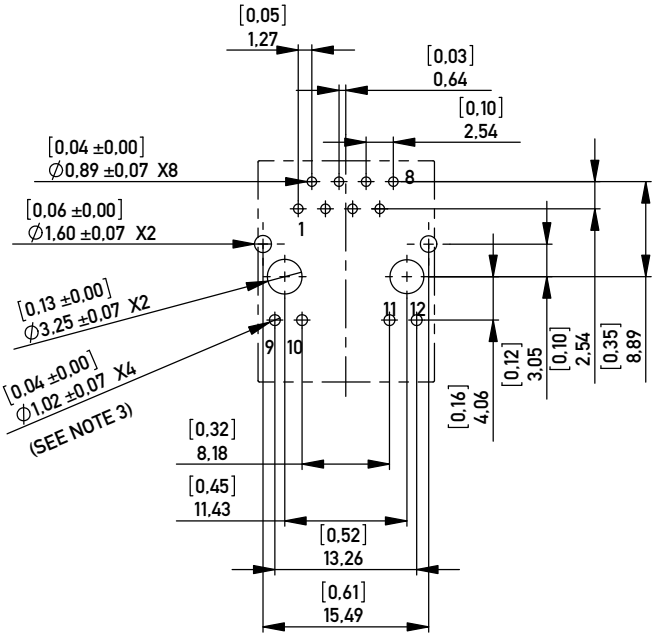
ELECTRICAL SCHEMATIC - 10/100 BASE TX - H3D02
EXTENDED TEMPERATURE RANGE
ELEKTRISCHES DIAGRAMM



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



MAGNETICS SPECIFICATIONS @ 25°C

AUTO MDIX COMPATIBLE

TURNS RATIO:	
(P1-P3 : J1-J2)	1CT : 1 ±3%
(P4-P6 : J3-J6)	1CT : 1 ±3%
OCL (100KHz, 0.1Vrms, 8mA)	
(P1-P3 : P4-P6)	350µH 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

LED SPECIFICATIONS
LED ANWEISUNG

COLOR FARBE	V_f TYP	V_f MAX	I_f mA	CIRCUIT DIAGRAM SCHALTSKIZZE
YELLOW	2.1	2.5	20	9 10 11 12
GREEN	2.2	2.5	20	9 10 11 12

Information:

Tolerances

All Dimensions in mm

Scale 1:1

Subject to modification without prior notice.
Drawing will not be updated.

ERNI www.ERNI.com

Designation
MOD JACK - MJIM
8C8T, 1X1, INT. MAG., LED ALIGNED

203504

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c		05.03.2015

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