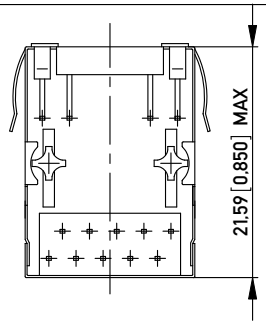
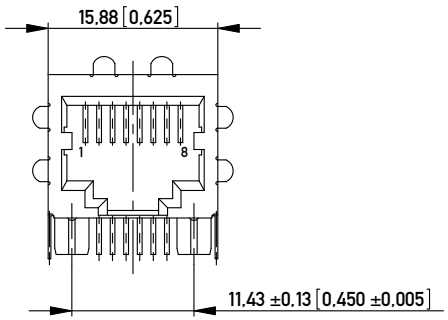
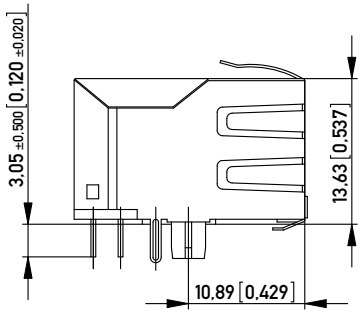
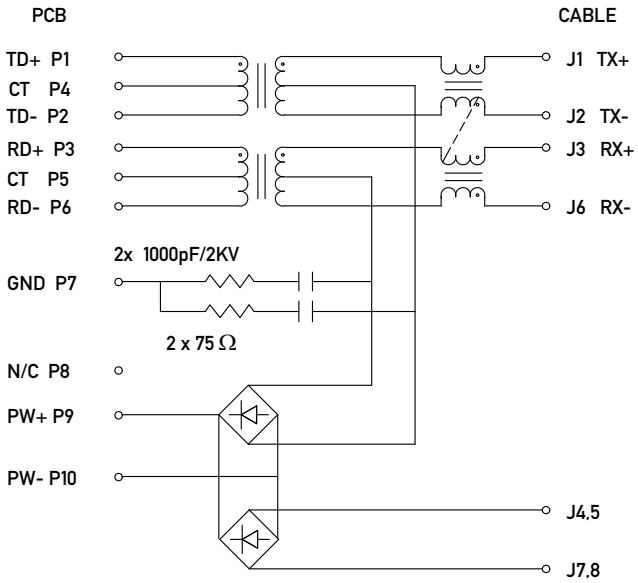


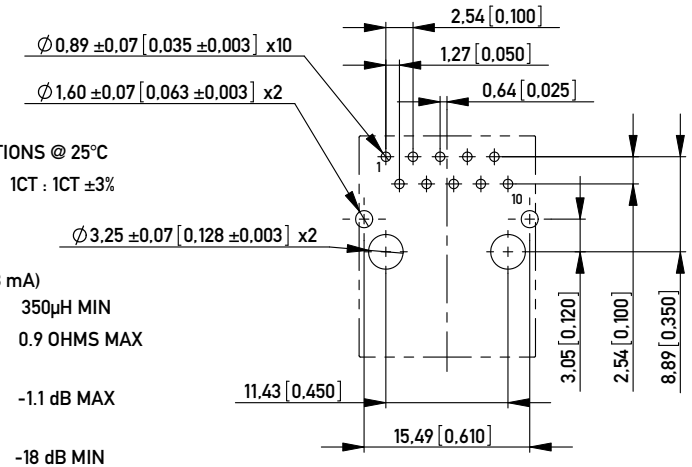




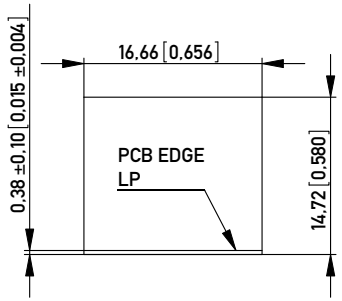
ELECTRICAL SCHEMATIC - M6A01
10/100 BASE TX WITH REMOTE POWER
ELEKTRISCHER SCHALTPLAN



RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)
TOL ±0.05 [.002] UNLESS NOTED



RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN AUSSCHNITT



MAGNETICS SPECIFICATIONS @ 25°C

TURNS RATIO:	1CT : 1CT ±3%
(P1-P2 : J1-J2)	
(P3-P6 : J3-J6)	
OCL(100 KHz, 0.1 Vrms, 8 mA)	
(P1-P2 : P3-P6)	350µH MIN
DCR (P1-P2, P3-P6)	0.9 OHMS MAX
INSERTION LOSS:	
0.1-100 MHz	-1.1 dB MAX
RETURN LOSS:	
0.5 - 30 MHz	-18 dB MIN
40 MHz	-15.5 dB MIN
50 MHz	-13.6 dB MIN
60 - 80 MHz	-12 dB MIN
CROSSTALK:	
1-100 MHz	-38 dB TYP
CMR:	
0.1 - 30 MHz	-50 dB TYP
30 - 60 MHz	-40 dB TYP
60 - 100 MHz	-30 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 ⓓ ⓒ
OPERATING TEMPERATURE: 0°C TO 55°C

NOTE 1: PANEL GROUND FLANGES BOTH SIDES AND TOP (GF5)
NOTE 2: SIDE GROUND TABS REAR OF PEG 3.05mm (R)
NOTE 3: PIN 7 PAD TO BE UNDERSIZED TO MEET ISOLATION REQUIREMENT
NOTE 4: RoHS COMPLIANT

SCHEMATIC NUMBER: M6A01

Information:
Tolerances ISO 2768-m
All Dimensions in mm [in]
Scale 2:1

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

Designation
MOD JACK - MJIM
8C10T, 1x1, INTEGRATED MAGNETICS

ERNI www.ERNI.com

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Index E Date 15.01.08

Class MJIM

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