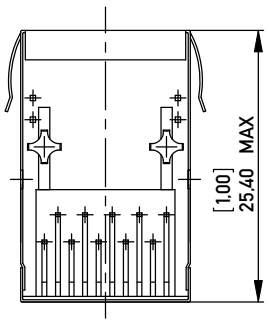
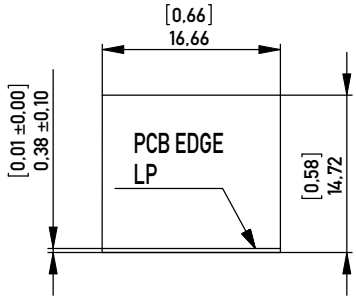
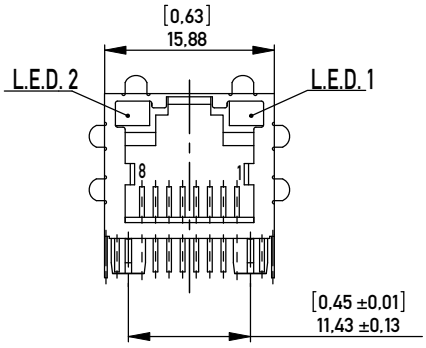
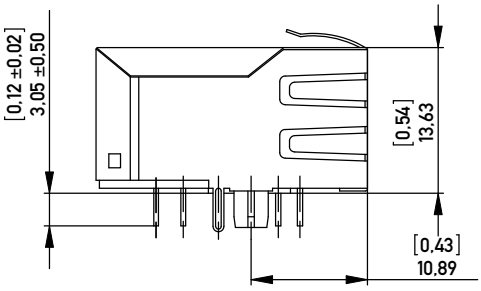
RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN AUSSCHNITT

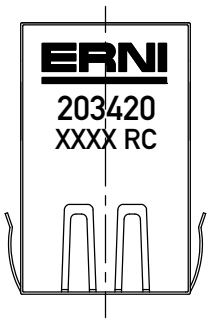








date code
Datumscode



Note 1: RoHS compliant

NO. IDENT. NR.	LED 2 LEFT LED 2 LINKS	LED 1 RIGHT LED 1 RECHTS	LED CODE
203420	GREEN	GREEN	L3

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

OPERATING TEMPERATURE: 0°C TO 70°C

Information:
SCHEMATIC NUMBER M5B02

Tolerances

All Dimensions in mm

Scale 2:1

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

Designation
MOD JACK - MJIMR
8C10T, 1x1, INT. MAG., LED. REVERSE LATCH

ERNI www.ERNI.com

203419

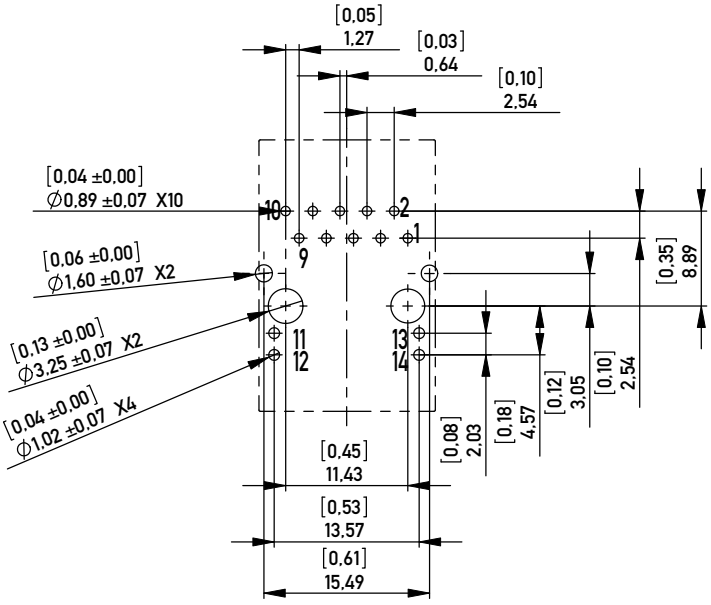
I (1/2)
A3

Index		Date	
A		20.05.2008	

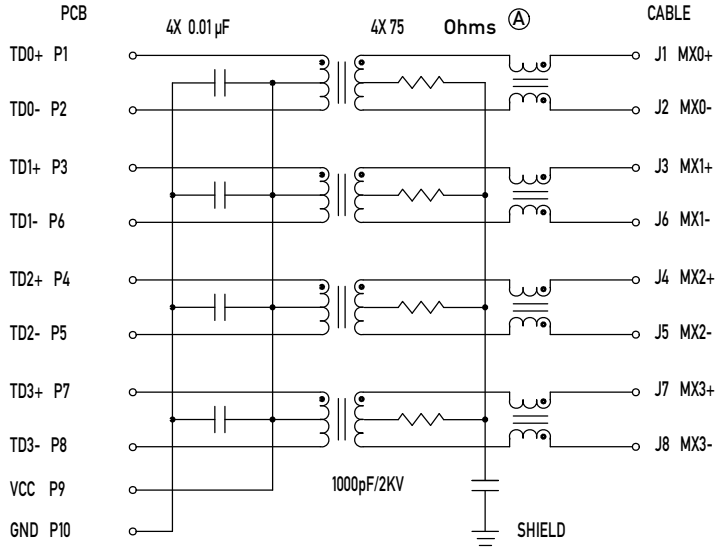
Class MJIM

Consider protection norms from DIN 34

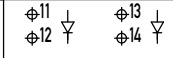
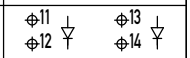
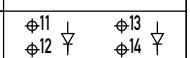
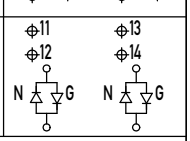
RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTÜCKUNGSSEITE)
TOL ±0.05 [.002] UNLESS NOTED



ELECTRICAL SCHEMATICS 1000 BASE T - M5B02
ELEKTRISCHER SCHALTPLAN



LED SPECIFICATIONS
LED ANWEISUNG

COLOR FARBE	V_f TYP	V_f MAX	I_f mA	CIRCUIT DIAGRAM SCHALTPLAN
YELLOW	2.1	2.5	20	
GREEN	2.2	2.5	20	
RED	2.25	2.5	20	
ORANGE/GREEN	2.05/2.2	2.5	20	

MAGNETICS SPECIFICATIONS @ 25°C

TURNS 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:	
CMR: 1-100 MHz	-35dB TYP Ⓐ
0.1 - 30 MHz	-50 dB TYP
30 - 60 MHz	-40 dB TYP
60 - 100 MHz	-35 dB TYP
ISOLATION	1500 Vrms

Information:

Tolerances

All Dimensions in mm

Scale 2:1

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Designation

MOD JACK - MJIMR

8C10T, 1x1, INT. MAG., LED. REVERSE LATCH

ERNI www.ERNI.com

203419

I (2/2)

A3

Class MJIM

Consider protection mems from DIN 34