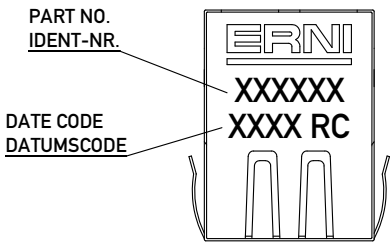
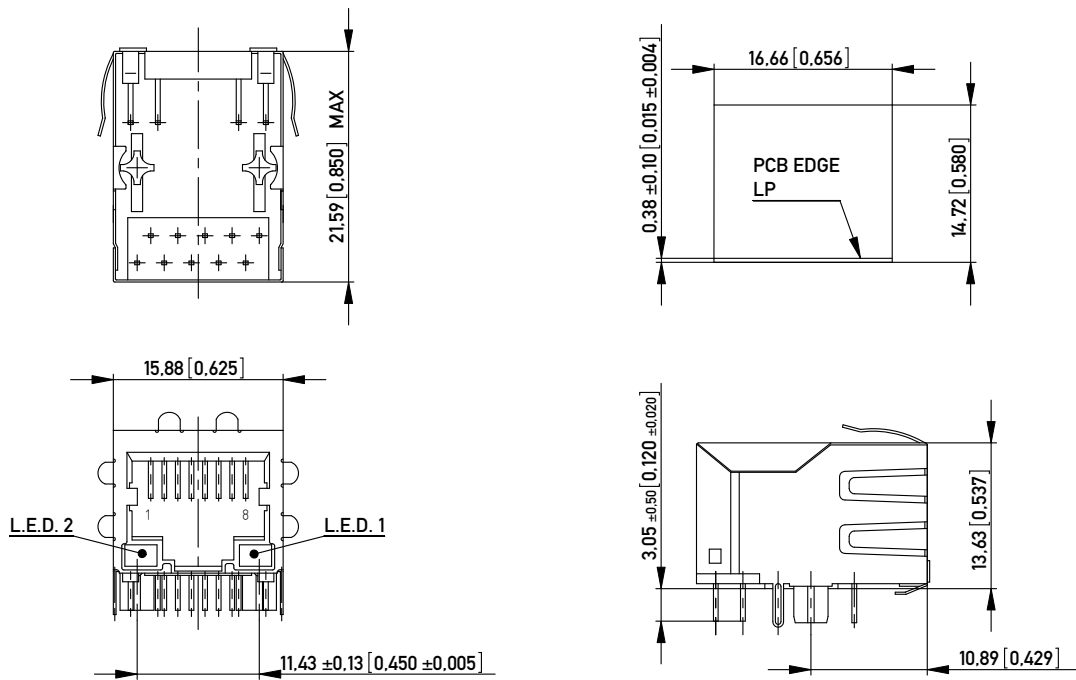


RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN AUSSCHNITT



NOTE 1: SIDE SHIELD TABS IN REAR 3.05mm (R)
NOTE 2: PANEL GROUND FLANGES BOTH SIDES, TOP AND BOTTOM (GF5)
NOTE 3: RoHS COMPLIANT; PRINT "RC" WITH DATE CODE

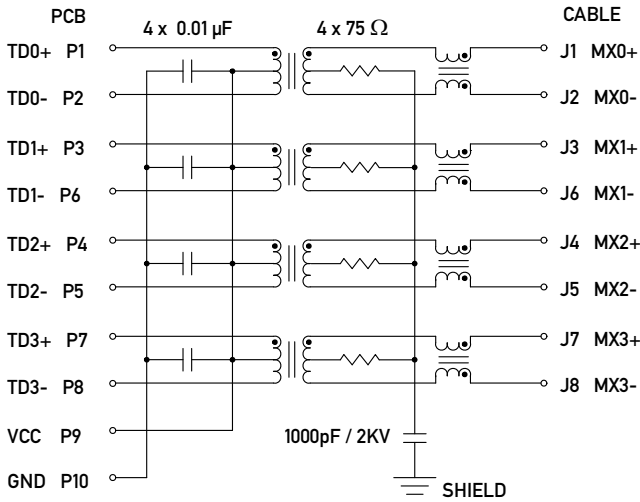
NO. IDENT. NR.	LED 2 LEFT LED 2 LINKS	LED 1 RIGHT LED 1 RECHTS	LED CODE
203224	YELLOW	GREEN	L1
203225	GREEN	YELLOW	L2
203226	GREEN	GREEN	L3
203227	YELLOW	YELLOW	L8
203228	ORANGE/GREEN	ORANGE/GREEN	L9

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: 0°C TO 70°C

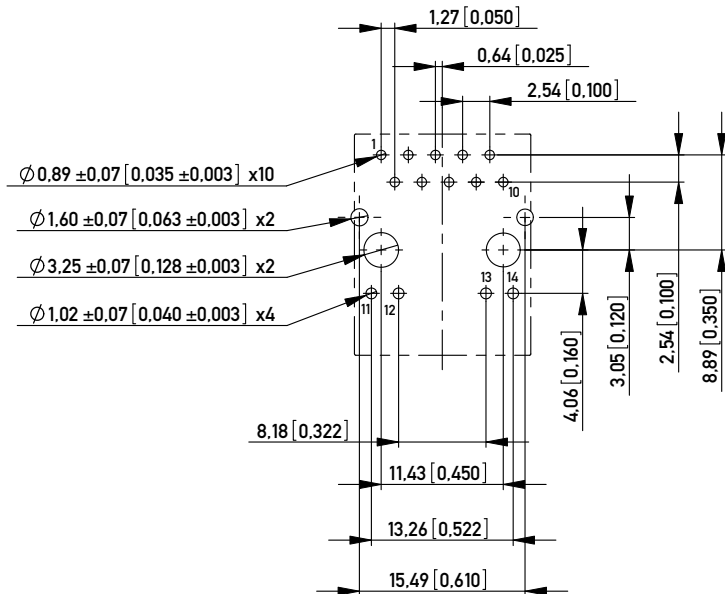
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Information: SCHEMATIC NUMBER: M5B02				Tolerances		 All Dimensions in mm [in]		Scale 2:1	
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						 www.ERNI.com			
D		02.05.2007				Class		MJIM	
Index		Date						133866	
								I (1/2) A3	

ELECTRICAL SCHEMATICS 1000 BASE T - M5B02
ELEKTRISCHER SCHALTPLAN



RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)
TOL ±0.05 [0.002] UNLESS NOTED



LED SPECIFICATIONS
LED ANWEISUNG

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

COLOR FARBE	V _f TYP	V _f MAX	I _f mA	CIRCUIT DIAGRAM SCHALTSKIZZE
YELLOW	2.1	2.5	20	
GREEN	2.2	2.5	20	
ORANGE/GREEN	2.05/2.2	2.5	20	

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