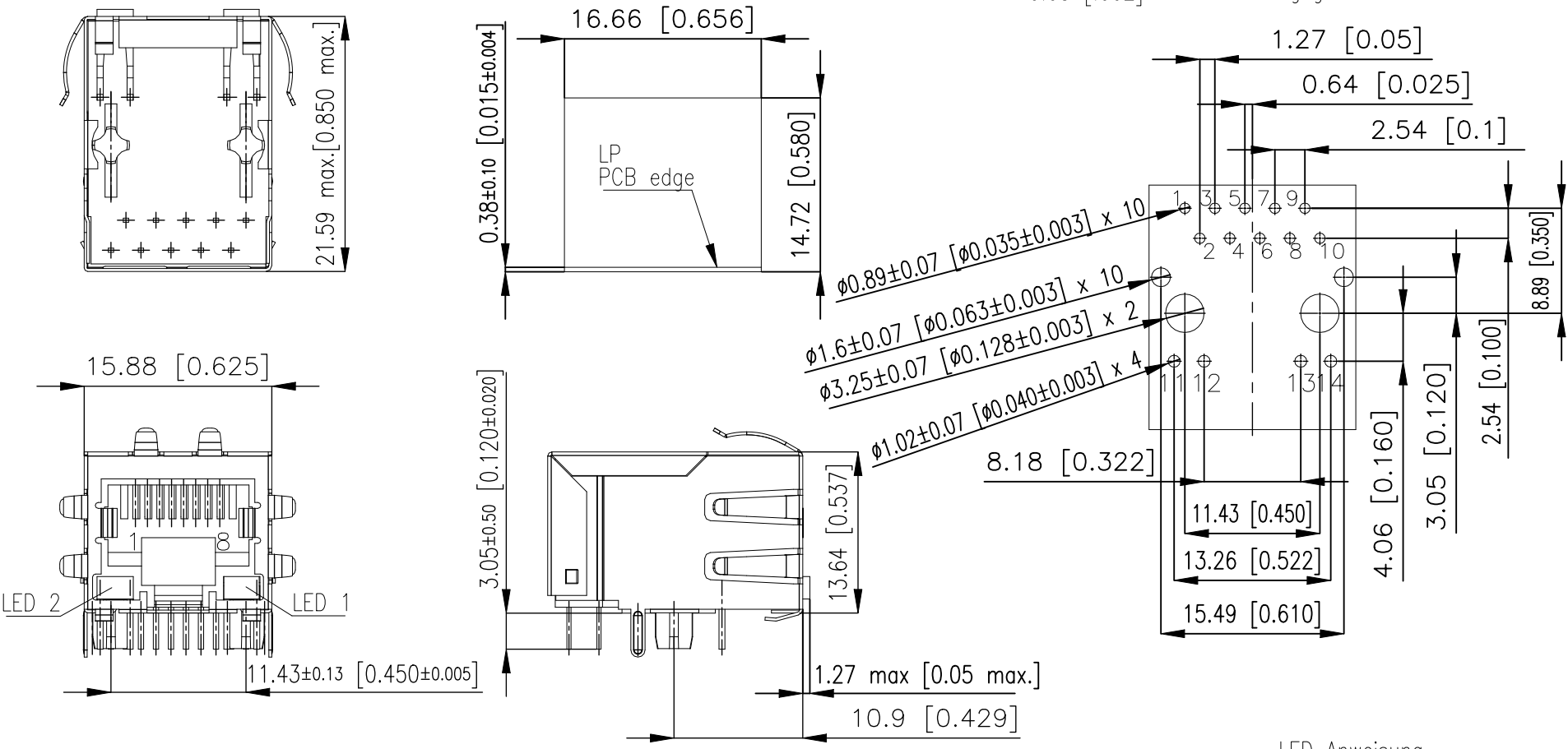


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	C1	GENERAL TOLERANCE ADDED	04JAN2024	NK	JDB

Empfohlener Frontplatten Ausschnitt
Recommended panel cutout

Empfohlenes Leiterplatten-LAYOUT (Bestückungsseite)
Recommended PCB layout (component side view)
TOL±0.05 [.002]wenn nicht angegeben/unless noted



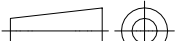
Note 1 Bemerkung 1 / : Layout-Schirmanschlüsse hinten 3,05 mm (R) / shield terminations in rear area 3.05mm (R)
Note 2 Bemerkung 2 / : Schirmkontakte an beiden Seiten und oben (GF5) / shield contacts on both sides and top (GF5)

Materialien und Ausführung /Materials and finish:
Gehäuse /Housing: glasgefülltes Polyester UL 94 V-0 schwarz / glass filled polyester UL 94 V-0 black
Abschirmung /Shielding: Cu-Legierung, beschichtet mit Ni
Cu alloy, plated with Ni
Kontakte / Contacts: Phosphor bronze
Kontaktoberfläche /Contact finish: Au, 0,8 µm (30 µin), über Ni / Au, 0.8 µm (30 µin), over Ni
Anschlussoberfläche / Terminal finish : Sn matt /Sn matte
LED-Linse / LED lens: Epoxid / epoxy
Mechanische Eigenschaften / Mechanical characteristics
Dauerhaftigkeit / Durability 1000 Steckzyklen /1000 mating cycles
Elektrische Kennwerte / Electrical characteristics:
Durchgangswiderstand / Contact resistance : 30 Milloohms max
Betriebstemperatur / Operating temperature : 0°C to 70°C

LED Anweisung
LED Specifications

gelb /yellow	2,1	2,5	20		
grün /green	2,2	2,5	20		
rot / red	2,25	2,5	20		
orange / orange	2,05 / 2,2	2,5	20		
Farbe Color	Vf Typ	Vf Max	If mA	Schaltplan circuit diagramm	

	203211-E	gelb /yellow	grün /green	L1
	203212-E	grün /green	gelb /yellow	L2
OBSOLET	203213-E	grün /green	grün /green	L3
OBSOLET	203214-E	gelb /yellow	gelb /yellow	L8
	203215-E	orange / orange	grün /green	L9
Ident - Nr. Part no.	LED 2 links LED 2 left	LED 1 rechts LED 1 right	LED Code	

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN B S ADRUSH 04NOV2022		TE Connectivity									
				CHK N MANTIKOU 06NOV2022											
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J DE BRUIJN 06NOV2022		NAME Mod Jack MJIM 8C10T 1x1 INT. MAG. LED Align.									
		0 PLC ± - 1 PLC ± - 2 PLC ± 0.20 [0.008] 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC 108-94889											
MATERIAL		FINISH		APPLICATION SPEC 114-94780		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO			
-		-		WEIGHT -		A3		00779		C-203211-E		-			
CUSTOMER DRAWING										SCALE NTS		SHEET 1 of 2		REV C1	

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

Elektrischer Schaltplan 1000 BASE T – M5B01
Electrical schematics 1000 BASE T – M5B01

Magnetische Spezifikationen @ 25°C
Magnetics specifications @ 25°C

Windungsverhältnis /
Turns ratio 1CT:1CT ±3%

OCL(100 KHz, 0.1 V, 8 mA) 350 µH MIN

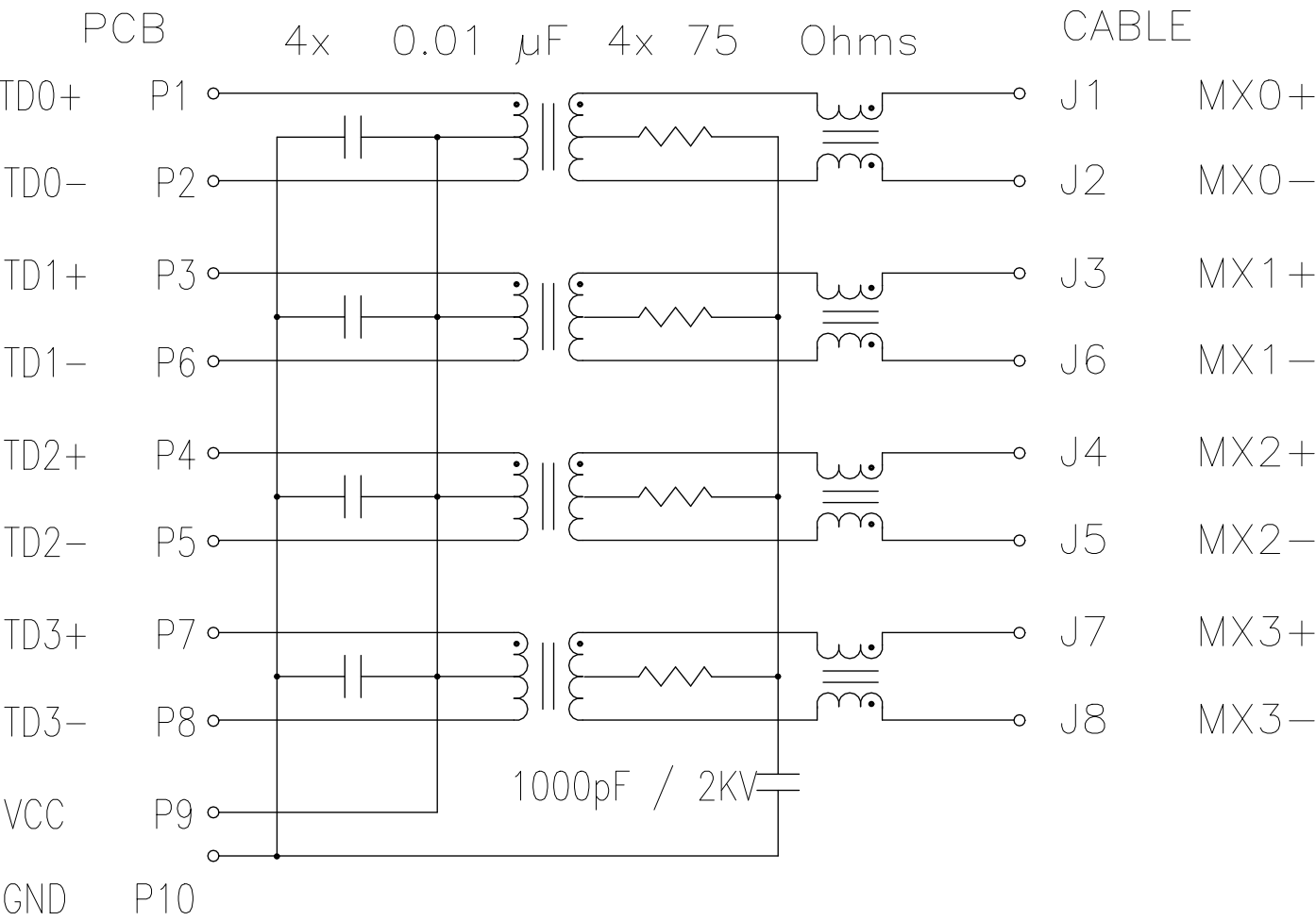
Einfügungsdämpfung / Insertion loss:
1–100 MHz –1.1 dB MAX

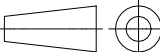
Rückflussdämpfung / Return loss:
1–40 MHz –18 dB MIN
60 MHz –14 dB MIN
80 MHz –12 dB MIN
100 MHz –10 dB MIN

Übersprechen / Crosstalk:
1–100 MHz –35 dB TYP

CMR:
1 – 30 MHz –50 dB TYP
30 – 60 MHz –40 dB TYP
60 – 100 MHz –35 dB TYP

Isolationsspannung /
Isolation voltage 1500 Vrms



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B S ADRUSH 04NOV2022	 TE Connectivity				
		CHK N MANTIKOU 06NOV2022					
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD J DE BRUIJN 06NOV2022	NAME				
	0 PLC ± – 1 PLC ± – 2 PLC ± 0.20 [0.008] 3 PLC ± – 4 PLC ± – ANGLES ± –	PRODUCT SPEC	Mod Jack				
		108-94889	MJIM				
		APPLICATION SPEC	8C10T 1x1 INT. MAG. LED Align.				
MATERIAL —	FINISH —	114-94780	SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
		WEIGHT —	A3	00779	C-203211-E		—
CUSTOMER DRAWING					SCALE	SHEET	REV
					NTS	2 of 2	C1