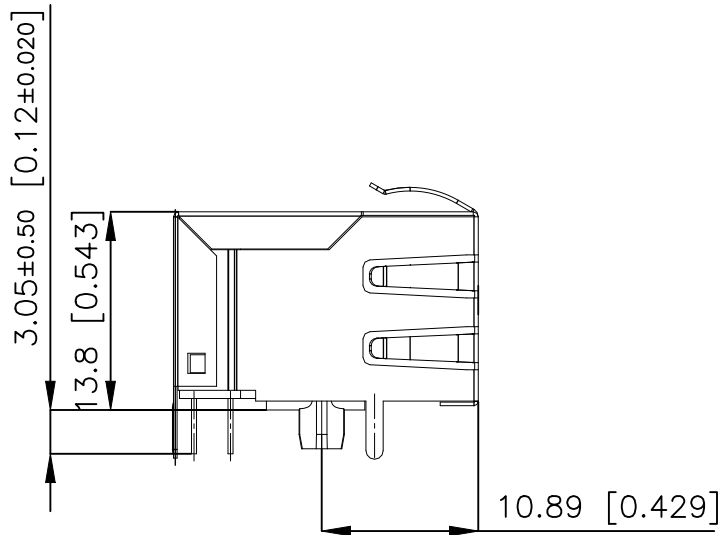
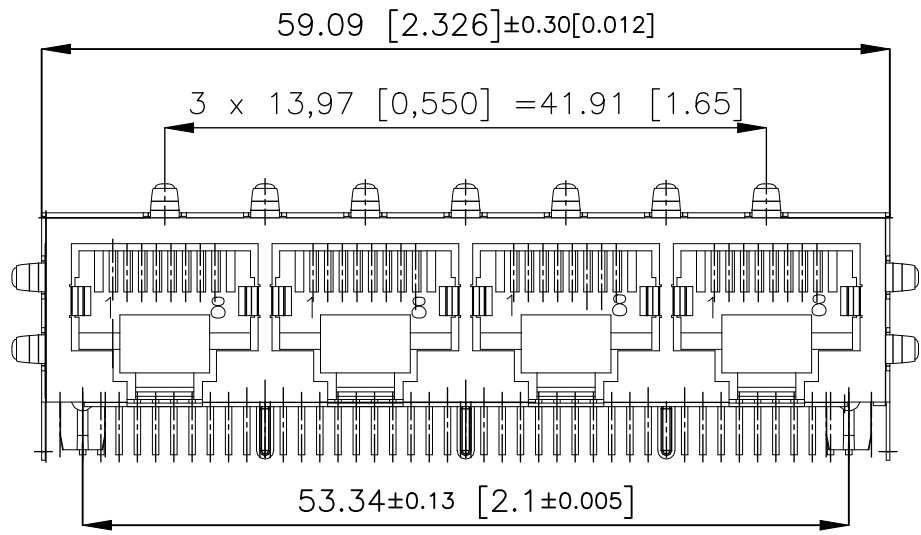
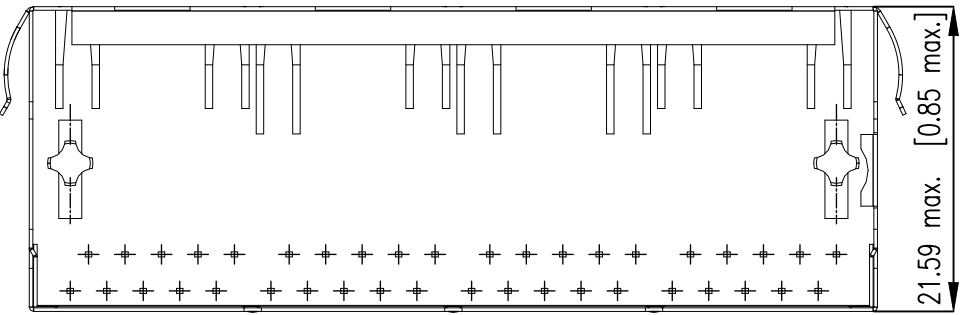
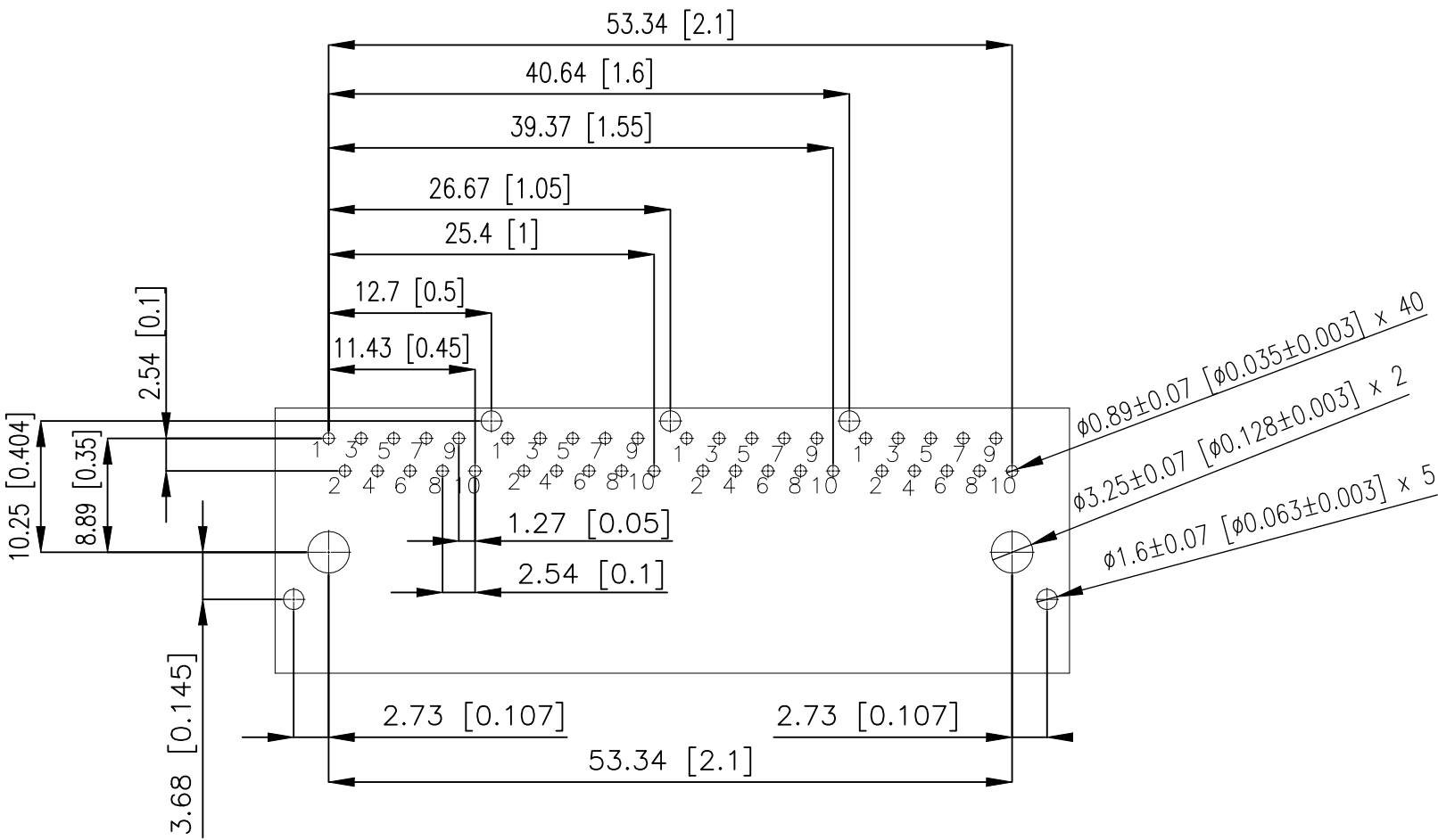
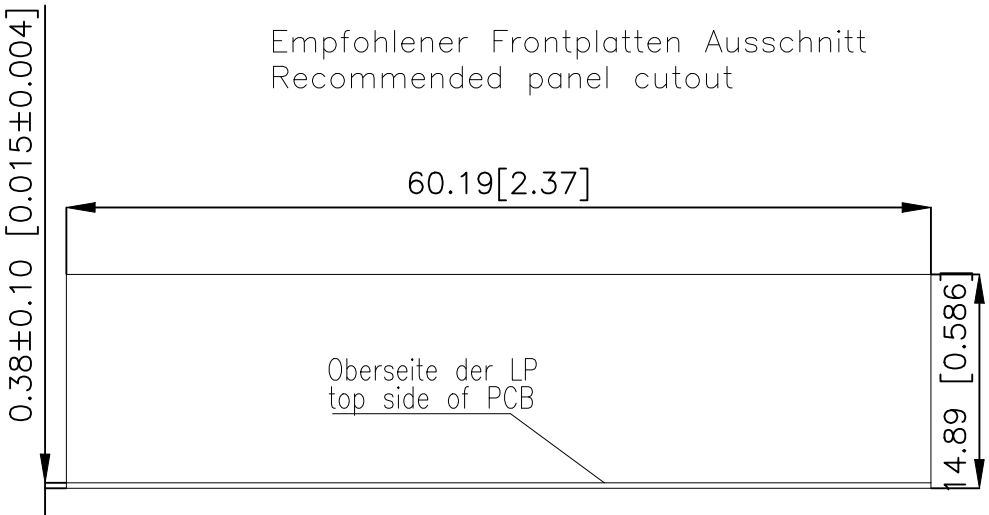


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	D1	GENERAL TOLERANCE ADDED	04JAN2024	NK	JDB

Empfohlenes Leiterplatten-Layout (Bestückungsseite)
Recommended PCB layout (component side view)
TOL ±0.05 [.002] unless noted



Empfohlener Frontplatten Ausschnitt
Recommended panel cutout



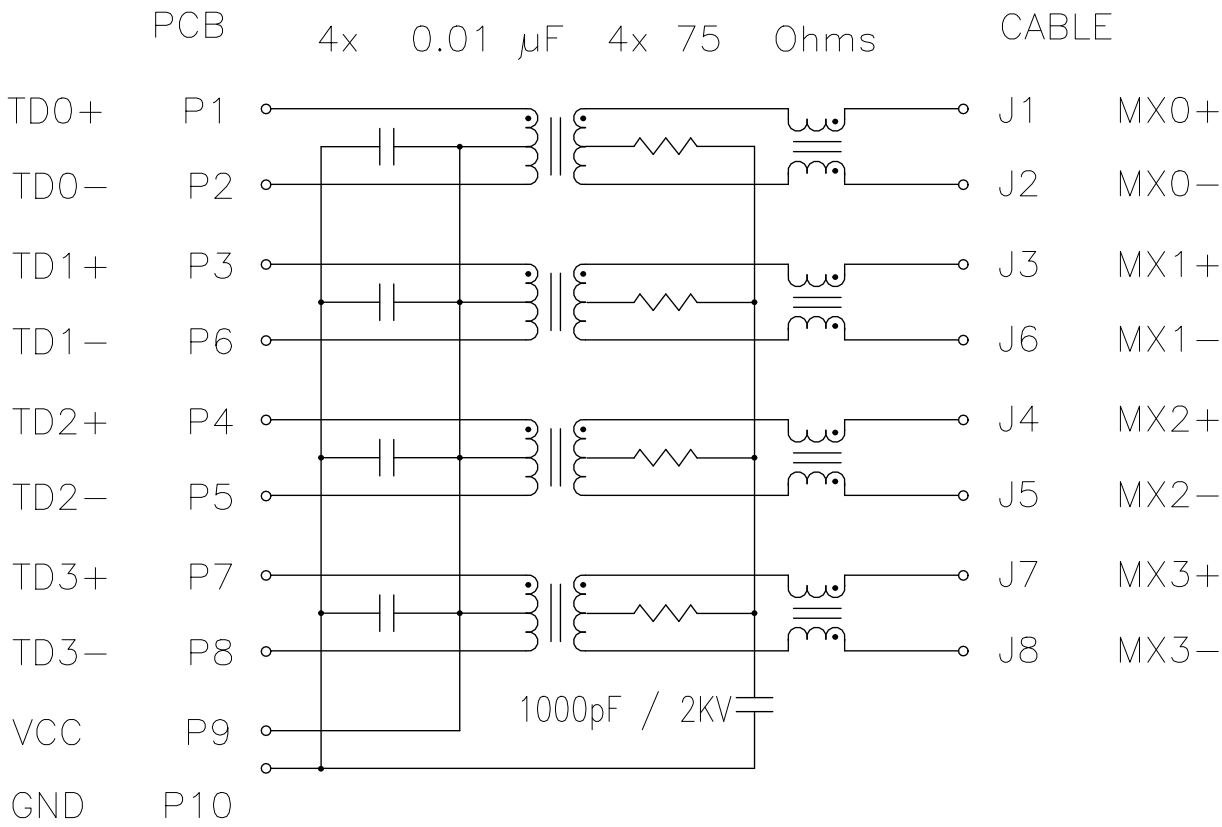
Materials and finish:
Housing: glass filled polyester UL 94 V-0 BLACK
Shielding: Cu alloy, plated with Ni
Contacts: Phosphor bronze
Contact finish: Au, 0.8 μ m (30 μ in), over Ni
Terminal finish: Solder
Mechanical characteristics
Durability: 1000 mating cycles
Operating temperature: 0°C to 70°C

Note 1: Side shield tabs in front 3,68mm (F2)
Note 2: Rear shield tabs between each port (T)
Note 3: Panel ground flanges both sides and top (GF5)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN N K NIKHIL 18NOV2022	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK N MANTIKOU 20NOV2022			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD J DE BRUIJN 20NOV2022	NAME		
0 PLC ± - 1 PLC ± - 2 PLC ± 0.20 [0.008] 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC 108-94889 APPLICATION SPEC 114-94780	Mod Jack MJIM 8C10T, 1x4, INT. MAGNETICS		
MATERIAL		FINISH	WEIGHT	SIZE A2	CAGE CODE 00779
-		-	-	DRAWING NO C=203185-E	RESTRICTED TO -
CUSTOMER DRAWING			SCALE NTS	SHEET 1 of 2	REV D1

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 /
Turnns ratio: 1CT:1CT ±3%

OCL(100 KHz, 0.1 V, 8 mA) 350 μH MIN

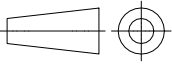
Einfügungsdämpfung / Insertion loss:
1–100 MHz –1.1 dB MAX

Reflexionsdämpfung /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:
0.1 – 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 N K. NIKHIL 18NOV2022	 TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK N MANTIKOU 20NOV2022			
		APVD J DE BRUIJN 20NOV2022			
		PRODUCT SPEC 108–94889 APPLICATION SPEC 114–94780			
MATERIAL —	FINISH —	WEIGHT —	SIZE A2	CAGE CODE 00779	DRAWING NO C=203185–E
CUSTOMER DRAWING			SCALE NTS	SHEET 2 OF 2	REV D1