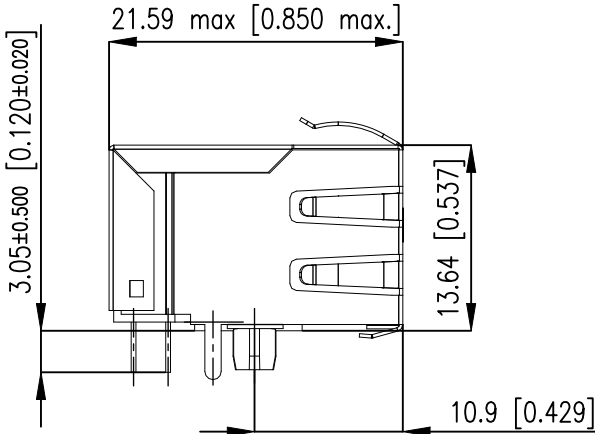
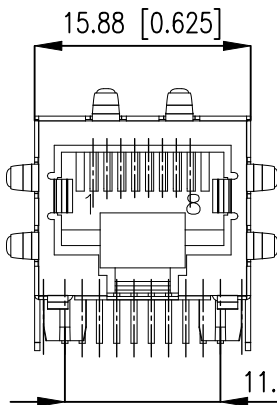
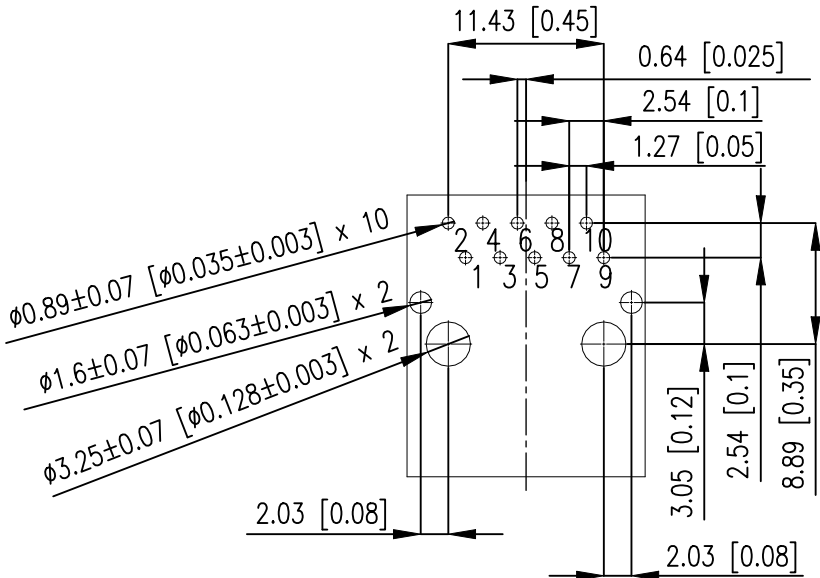
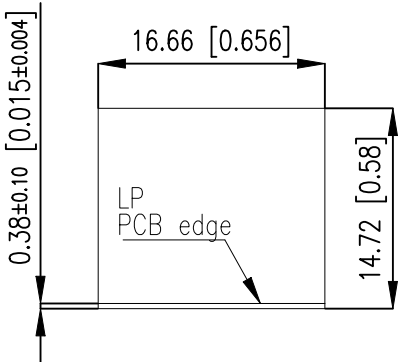
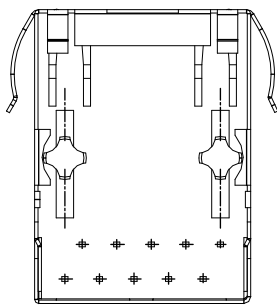


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	F1	GENERAL TOLERANCE ADDED	04JAN2024	NK	JDB

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

Empfohlener Frontplatten Ausschnitt
Recommended panel cutout



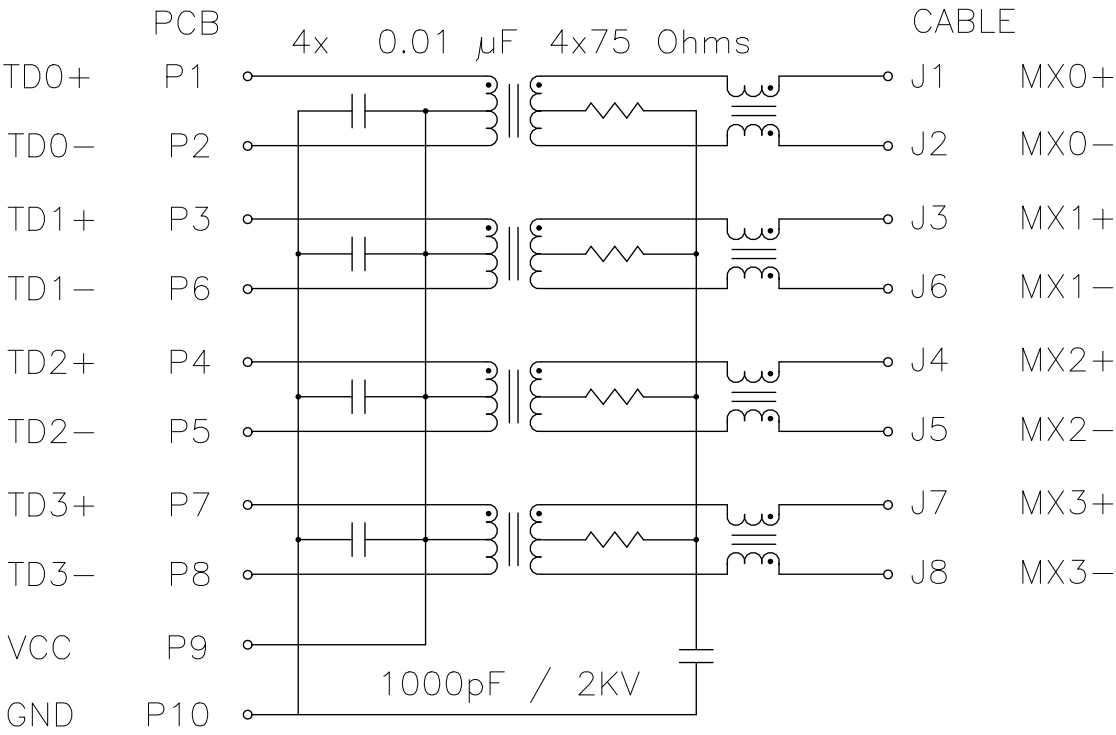
Materialien und Ausführung / Materials and finish:
Gehäuse / Housing : glasgefülltes Polyester UL 94 V-0 schwarz /
glass filled polyester UL 94 V-0 black
Abschirmung / Shielding : Cu–Legierung, beschichtet mit Ni 40µin MIN /
Cu alloy, plated with Ni 40µin MIN
Kontakte / Contacts : Phosphor bronze
Kontaktoberfläche / 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
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

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN N K NIKHIL 18NOV2022		TE Connectivity				
		CHK N MANTIKOU 20NOV2022						
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME Mod Jack MJIM 8C10T, 1x1, Integrated Magnetics				
		0 PLC ± – 1 PLC ± – 2 PLC ± 0.20 [0.008] 3 PLC ± – 4 PLC ± – ANGLES ± –						
MATERIAL –		FINISH –		SIZE A3		CAGE CODE 00779	DRAWING NO C-203189-E	RESTRICTED TO –
CUSTOMER DRAWING						SCALE NTS	SHEET 1 of 2	REV F1

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 $\pm$ 3%

OCL(100 KHz, 0.1 V, 8 mA) 350 μ H MIN

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

Rückflusdämpfung /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 N K NIKHIL 18NOV2022		 TE Connectivity										
			CHK N MANTIKOU 20NOV2022												
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – 1 PLC ± – 2 PLC ± 0.20 [0.008] 3 PLC ± – 4 PLC ± – ANGLES ± –		APVD J DE BRUIJN		NAME Mod Jack MJIM 8C10T, 1x1, Integrated Magnetics									
				PRODUCT SPEC 108–94889											
		APPLICATION SPEC 114–94780		SIZE				CAGE CODE	DRAWING NO		RESTRICTED TO				
MATERIAL –		FINISH –		WEIGHT –		A3		00779		C–203189–E		–			
CUSTOMER DRAWING										SCALE NTS		SHEET 2 of 2		REV F1	