

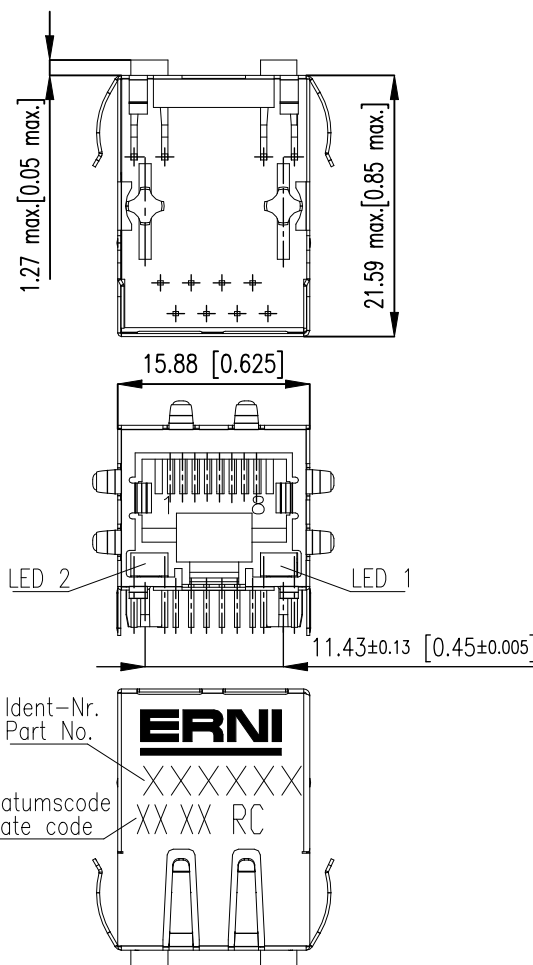
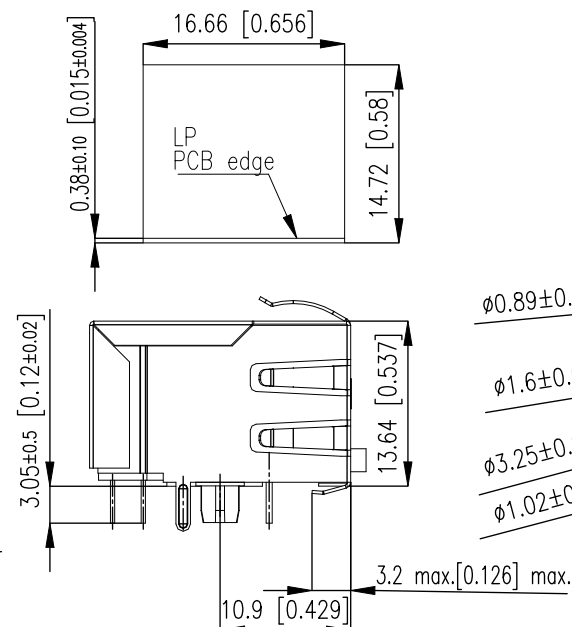
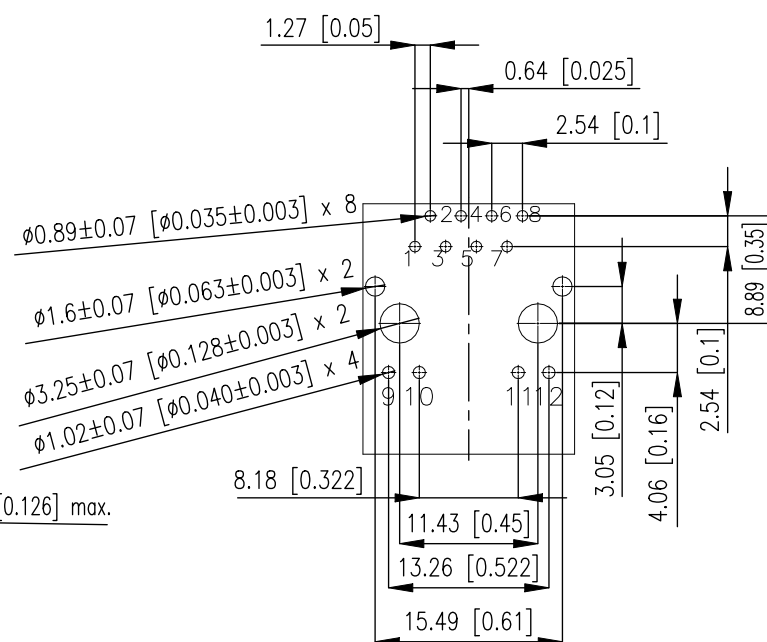


2022

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REVISIONS

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

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

- Bemerkung 1 /Note 1: Modular Jack mit 10/100 Basis – TX Magneten /
Modular Jack with 10/100 Base – TX magnetics
- Bemerkung 2 /Note 2: Kompatibel zum bleifreien Wellenlötprozess /
Compatible to lead-free wave soldering process
- Bemerkung 3 /Note 3: Layout-Schirmanschlüsse hinten 3,05 mm (R) /
shield terminations in rear area 3.05mm (R)
- Bemerkung 4 /Note 4: Schirmkontakte an beiden Seiten, oben und unten (GF5) /
shield contacts on both sides, top and bottom (GF5)
- Bemerkung 5 /Note 5: RoHS-konform: Aufdruck "RC" mit Datumscode /
RoHS compliant: print "RC" with date code

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 / grün orange / green	2,05 / 2,2	2,5	20		
Farbe Color	Vf Typ	Vf Max	If mA	Schaltplan circuit diagram	

	203416-E	grün /green	gelb /yellow	L2
OBSOLET	203520-E	gelb /yellow	grün /green	L1
	Ident – Nr. Part no.	LED 2 links LED 2 left	LED 1 rechts LED 1 right	LED Code

Materialien und Ausführung / Materials and finish:

Gehäuse / Housing : glasgefülltes Polyester UL 94 V-0 schwarz /
glass filled polyester UL 94 V-0 blackAbschirmung / Shielding : Cu-Legierung, beschichtet mit Ni /
Cu alloy, plated with Ni

Kontakte / Contacts : Phosphor bronze

Kontaktfläche / Contact finish : Au, 0,8 µm (30 µin), über Ni /
Au, 0,8 µm (30 µin), over Ni

Anschlussfläche / Terminal finish : Sn matt / Sn matte

LED-Linse / LED lens: Epoxid / epoxy

Mechanische Eigenschaften / Mechanical characteristics

Lebensdauer / Durability : 1000 Steckzyklen /1000 mating cycles

Elektrische Kennwerte / Electrical characteristics:

Durchgangswiderstand / Contact resistance : 30 Milliohms max

Betriebstemperatur / Operating temperature: -40°C to +85°C

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ± - 1 PLC ± - 2 PLC ± 0.20 [0.008] 3 PLC ± - 4 PLC ± - ANGLES ± - FINISH
MATERIAL	-

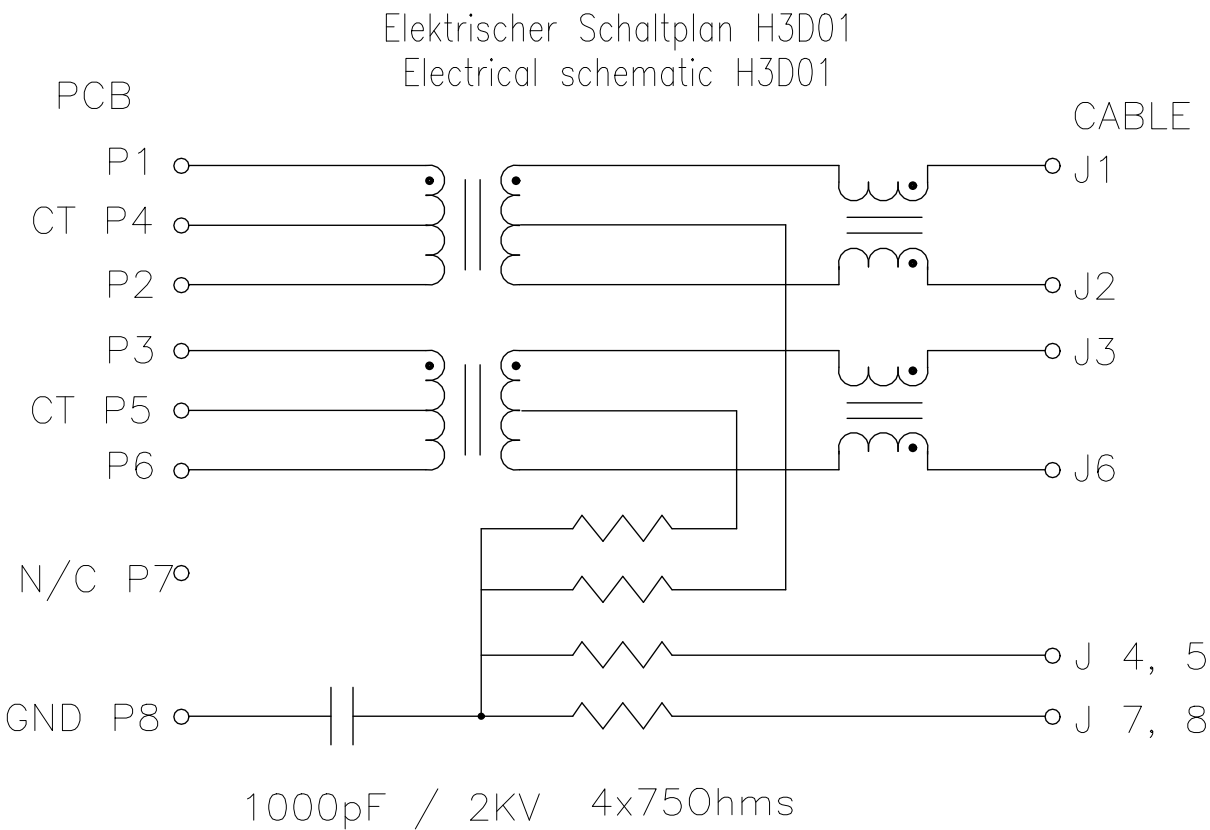
DWN	N K NIKHIL	07NOV2022
CHK	N MANTIKOU	09NOV2022
APVD	J DE BRUIJN	09NOV2022
PRODUCT SPEC	108-94889	
APPLICATION SPEC	114-94780	
WEIGHT	-	
CUSTOMER DRAWING		



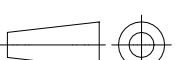
TE Connectivity

NAME			
Mod Jack MJIM 8C8T 1x1 INT. MAG LED ALIGNED			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-203416-E	-
SCALE		SHEET	REV
NTS		1 of 2	C1

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



Magnetische Spezifikationen @ 25°C /
Magnetics specifications @ 25°C
Auto MDIX kompatibel / Auto MDIX compatible
Windungsverhältnis /
Turns ratio:
(P1–P2 : J1–J2) 1CT:1 ±3%
(P3–P6 : J3–J6) 1CT:1 ±3%
OCL (100 KHz, 0.1 Vrms, 8 mA)
(P1–P2 , P3–P6) 350 µH MIN
DCR (P1–P2, P3–P6) 1.1 Ohms MAX
Einfügungsdämpfung /Insertion loss:
0.1–100 MHz –1.1 dB MAX
Reflexionsdämpfung /Return loss:
0.5–30 MHz –18 dB MIN
40 MHz –15.5 dB MIN
50 MHz –13.6 dB MIN
60–80 MHz –12 dB MIN
Übersprechen /Crosstalk :
1–100 MHz –40 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

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		CHK N MANTIKOU 09NOV2022						
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME Mod Jack MJIM 8C8T 1x1 INT. MAG LED ALIGNED				
		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-203416-E	RESTRICTED TO –
CUSTOMER DRAWING						SCALE NTS	SHEET 2 of 2	REV C1