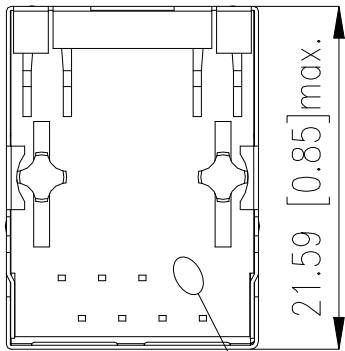
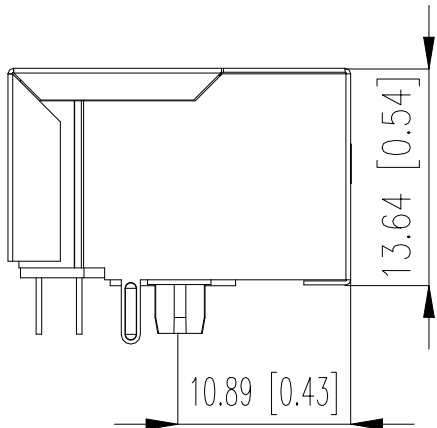
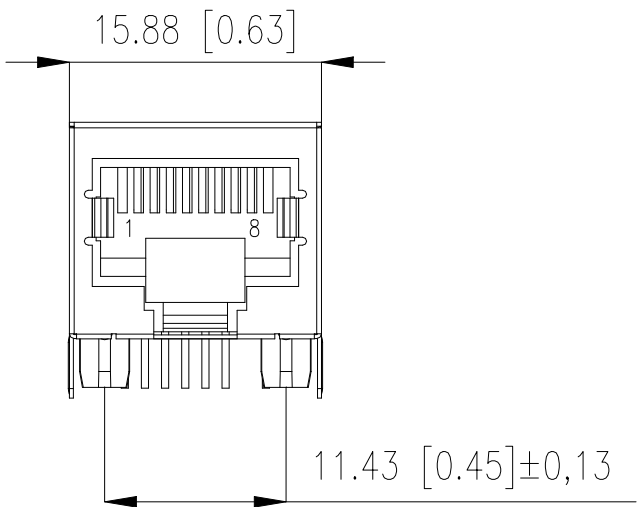
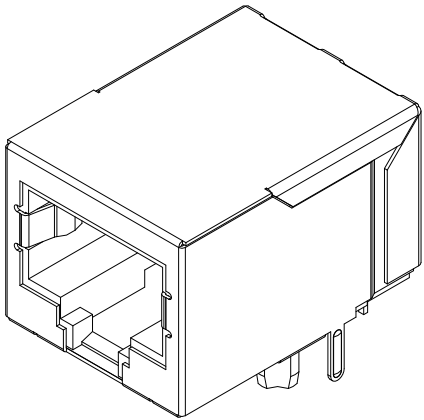
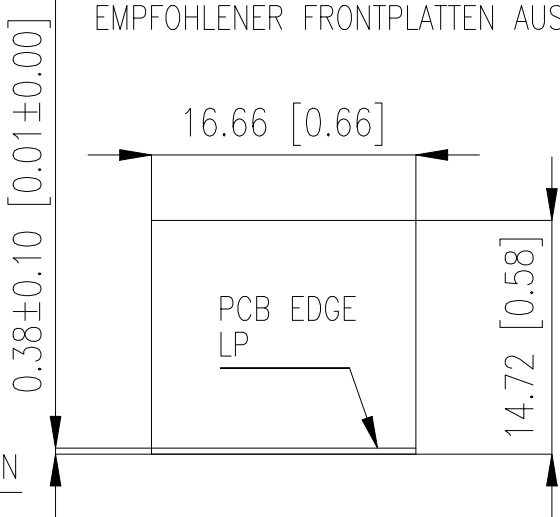


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A2	GENERAL TOLERANCE ADDED	04JAN2024	ASB	JDB



7 TERMINAL REMOVED
ANSCHLUSS ABGESCHNITTEN

RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN AUSSCHNITT



NOTE 1: MODULAR JACK WITH 10/100 BASE-TX MAGNETICS
NOTE 2: COMPATIBLE TO LEAD-FREE WAVE SOLDERING PROCESS
NOTE 3: SIDE SHIELD TABS IN REAR 3.05mm (R)
NOTE 4: RoHS COMPLIANT; PRINT "RC" WITH DATE CODE

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

MECHANICAL CHARACTERISTICS
DURABILITY: 1000 MATING CYCLES
ELECTRICAL CHARACTERISTICS
CONTACT RESISTANCE: 30 MILLIOHMS MAX
OPERATING TEMPERATURE: -40°C TO +85°C

PART NO. IDENT. NR.
203546-E

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B S ADRUSH 08NOV2022	 TE Connectivity					
		CHK N MANTIKOU 10NOV2022						
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD J DE BRUIJN 10NOV2022	NAME MOD-JACK-MJIM 8C7T; 1X1, Intr Mag. —					
	0 PLC ± — 1 PLC ± — 2 PLC ± 0.20 [0.008] 3 PLC ± — 4 PLC ± — ANGLES ± —	PRODUCT SPEC 108-94889						
		APPLICATION SPEC 114-94780	SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO	
	MATERIAL —	FINISH —	WEIGHT —	A3	00779	C-203546-E		—
CUSTOMER DRAWING			SCALE		SHEET		REV	
			NTS		1 OF 2		A2	

REVISIONS

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

ELECTRICAL SCHEMATIC – 10/100 BASE TX – H3D01
EXTENDED TEMPERATURE RANGE
ELEKTRISCHES DIAGRAM

PCB

CABLE

1000pF/2KV 4x75 Ohms

MAGNETICS SPECIFICATIONS @ 25°C

AUTO MDIX COMPATIBLE

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)

350µH MIN

DCR (P1–P2, P3–P6)

1.1 OHMS MAX

Insertion Loss:

0.1–100 MHz

–1.1 dB MAX

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

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

Isolation

1500 Vrms

RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENER FUER LEITERPLATTE (BESTUECKUNGSSEITE)
TOL ±0.05 [.002] UNLESS NOTED

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 B S ADRUSH 08NOV2022

CHK N MANTIKOU 10NOV2022

APVD J DE BRUIJN 10NOV2022

PRODUCT SPEC 108–94889

APPLICATION SPEC 114–94780

WEIGHT –

CUSTOMER DRAWING

TE Connectivity

NAME

MOD–JACK–MJIM

8C7T; 1X1, Intr Mag.

–

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C=203546–E

–

SCALE

SHEET

REV

NTS

2 OF 2

A2