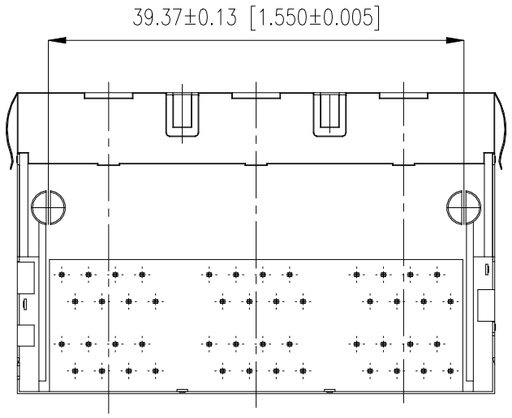
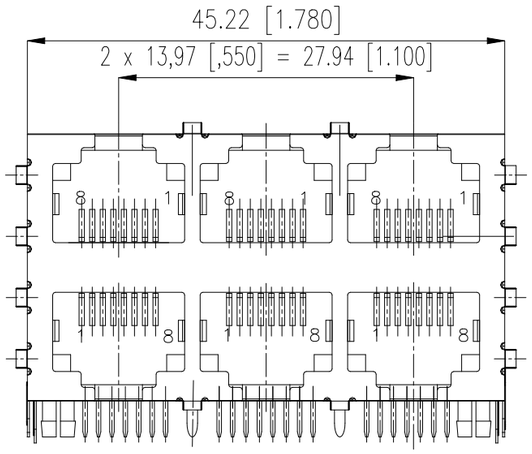
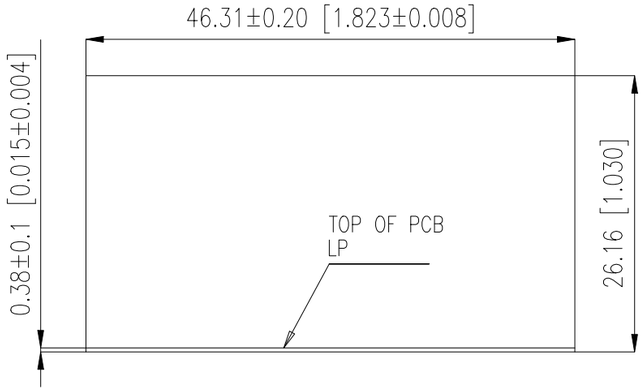
© – TE Connectivity. All Rights Reserved.

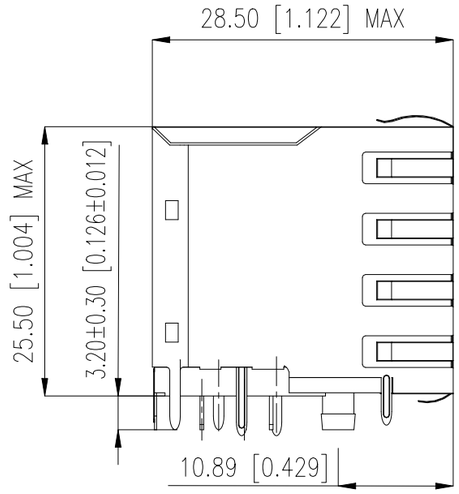
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	NEW DRAWING	08NOV2022	NK	JDB



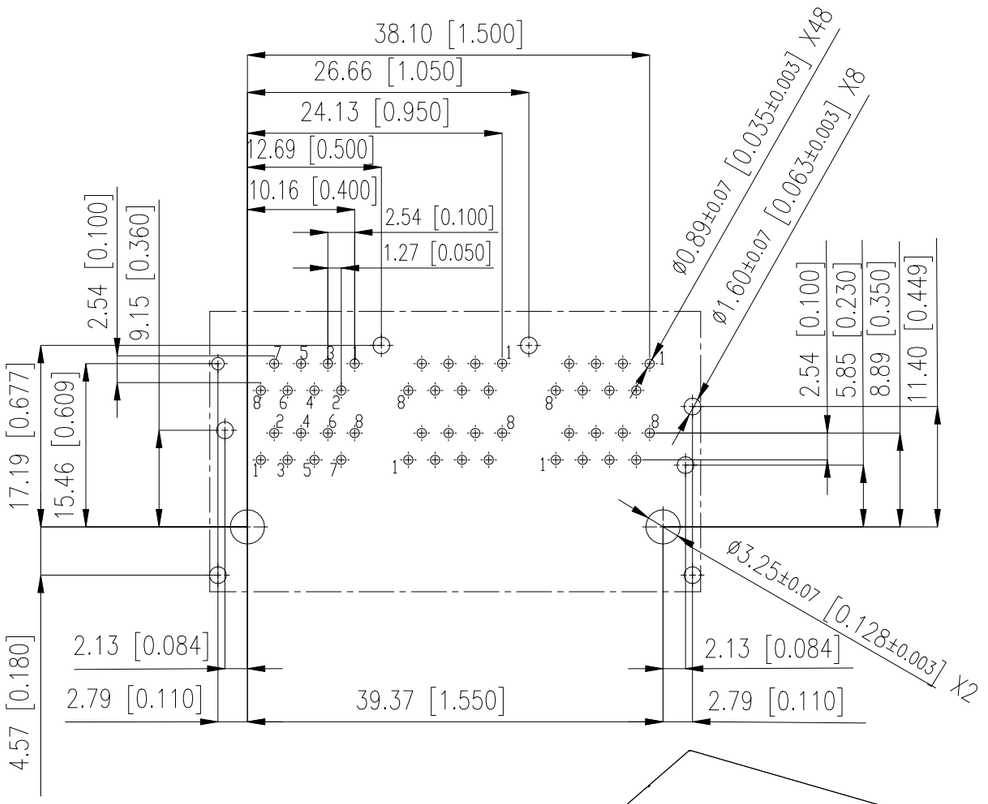


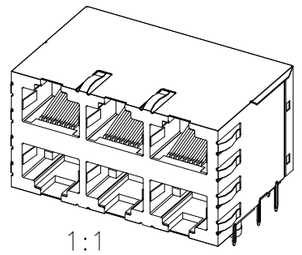
RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN–AUSSCHNITT



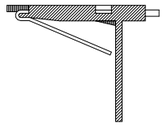


RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENES LEITERPLATTEN–LAYOUT (BESTUECKUNGSSEITE)
TOL. ± 0.05 [0.002] UNLESS NOTED





IMPROVED CONTACT DESIGN
(PRE BEND)



Technical specifications

Materials & Finish	Standard applic.	Value
Insulation body	Standard description	PA66
Contact material	Standard description	C5210 (acc.JIS)
Contact finish, mating zone	Thickness of plating	30 µin Au over 50 µin Ni
Contact finish termination zone	Thickness of plating	80 µin matte Sn over 50 µin Ni
Shell/shield material	Standard description	SUS301 (acc.JIS)
Plating shield / shielding pin		50 µin Ni / 80 µin Sn
Assembly process		
Packaging		Tray
Solder temperature		235°C at 3-5s
Suitable assembly process		wave
Approvals		
UL insulation body	UL 94	V0
UL File No.		E145613
RoHS compliant		Yes

Test Data	Standard applic.		Value
Mechanical properties			.
Insertion/withdrawal force	IEC 603-7	max.	20 N
Mechanical operations	IEC 512-5, 9a	min.	1,000
Effectiveness of connector coupling device	IEC 512-8, 15f		50 N
Electrical properties			
Creepage / clearance distances			
a) Contact - contact	IEC 807-3		0,52 mm
b) Contact - shell	IEC 807-3		min. 1,0 mm
Voltage proof (Dielectric Withstand Voltage)			
a) Contact - contact	IEC 512-2, 4a	min.	1.000 V AC/DC
b) Contact - shell/testpanel	IEC 512-2, 4a	min.	1.500 V AC/DC
Current carrying capacity	IEC 512-3, 5b		1,5 A @ 25° C
Contact resistance	IEC 512-2, 2a	max.	30 mOhm
Insulation resistance	IEC 512-2, 3a	min.	500 MOhm
Environmental properties			
Operation temperature			0 - 70° C

NOTE 1: PANEL GROUND FLANGES TOP, BOTTOM, SIDES (GF9)
NOTE 2: REAR GROUNDING PIN BETWEEN EVERY PORT (T)
NOTE 3: 3 SIDE GROUND PINS EACH SIDE, STAGGERED (S1)
NOTE 4: C – UL APPROVED E145613 AND MEETS FCC RECQUIREMENTS
NOTE 5: RoHS COMPLIANT

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL –

FINISH –

DWN	N K NIKHIL	08NOV2022
CHK	N MANTIKOU	10NOV2022
APVD	J DE BRUIJN	10NOV2022
PRODUCT SPEC	108–94901	
APPLICATION SPEC	114–94805	
WEIGHT	–	

TE Connectivity

NAME
MOD JACK – MJD
8P8C, 2X3, CATEGORY 5
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-133054-E	–

CUSTOMER DRAWING

SCALE	SHEET	REV
NTS	1 OF 1	A1