

© 114-94805 TE Connectivity. All Rights Reserved.

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	NEW DRAWING	02NOV2022	NK	JDB

21.59 [0.850] MAX

15.88 [0.625]

11.43±0.13 [0.450±0.005]

RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN-AUSSCHNITT

16.66 [0.656]

0.38±0.10 [0.015±0.004]

PCB EDGE
LP

14.72 [0.580]

3.2±0.20 [0.126±0.008]

13.63 [0.537]

10.89 [0.429]

RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)

TOL±0.05 [0.002] UNLESS NOTED

1.27 [0.050]

0.635 [0.025]

2.54 [0.100]

2 4 6 8

1 3 5 7

Ø0.89±0.07 [Ø0.035±0.003] X8

Ø1.60±0.07 [Ø0.063±0.003] X2

Ø3.25±0.07 [Ø0.128±0.003] X2

11.43 [0.450]

15.49 [0.610]

3.05 [0.120]

2.54 [0.100]

8.89 [0.350]

IMPROVED CONTACT DESIGN
(PRE BEND)

1:1

Technical specifications

Materials & Finish

Standard applic.	Value
Insulation body	PBT 30%
Contact material	C5210 (acc. JIS)
Contact finish, mating zone	30 µin Au over 50 µin Ni
Contact finish termination zone	80 µin matte Sn over 50 µin Ni
Shell/shield material	C2680 (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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH ± -

MATERIAL -

FINISH -

DWN N K NIKHIL 02NOV2022

CHK N MANTIKOU 04NOV2022

APVD J DE BRUIJN 04NOV2022

PRODUCT SPEC 108-94901

APPLICATION SPEC 114-94805

WEIGHT -

TE

TE Connectivity

MOD - JACK - MJD

8P8C, 2X3

-

SIZE A3

CAGE CODE 00779

DRAWING NO C-133167-E

RESTRICTED TO -

CUSTOMER DRAWING

SCALE NTS

SHEET 1 OF 1

REV A1

NOTE 1: SIDE SHIELD TABS IN REAR 3.05 mm

NOTE 2: PANEL GROUND FLANGES BOTH SIDES AND TOP (GF5)

NOTE 3: RoHS COMPLIANT

PART NO. IDENT. NR.	TRANSMISSION REQUIREMENT ÜBERTRAGUNGS- ANFORDERUNG	PCB HOLE NUMBERING LP BOHRUNGS- NUMERIERUNG
133167-E	CATEGORY 5, DUAL TWIST	2 4 6 8 1 3 5 7

1470-19 (1/15)