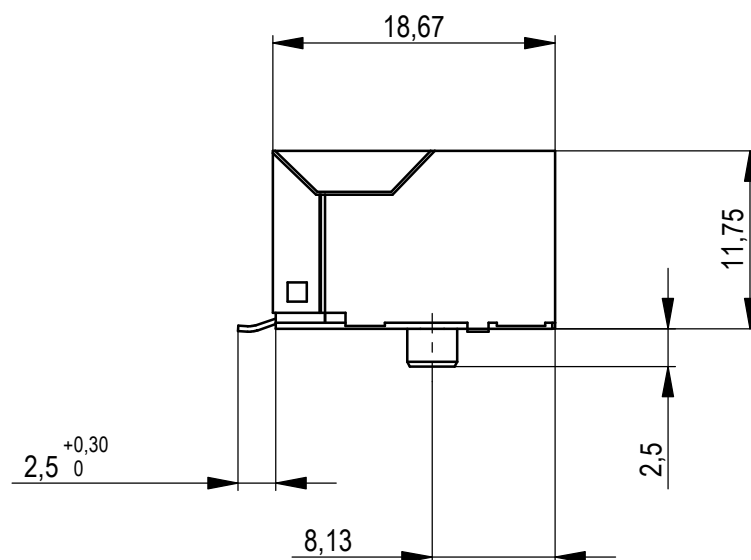
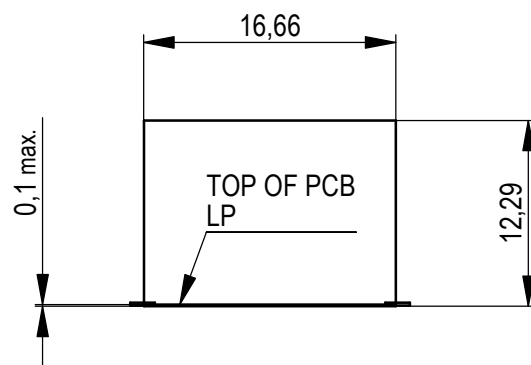
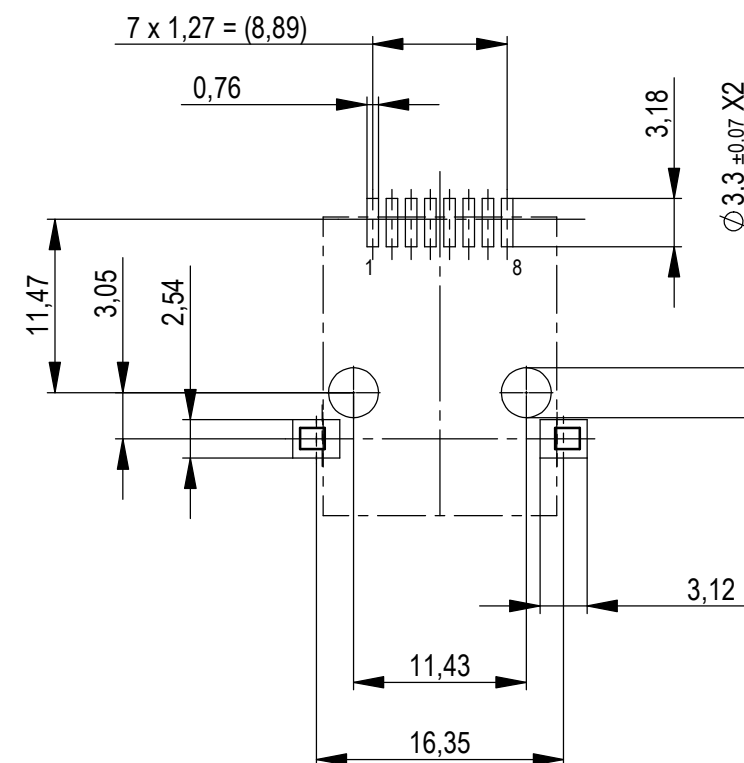


RECOMMENDED PANEL CUTOUT
EMPFOHLENER FRONTPLATTEN-AUSSCHNITT



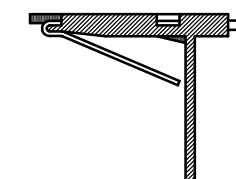
RECOMMENDED PCB LAYOUT (COMPONENT SIDE VIEW)
EMPFOHLENES LEITERPLATTEN-LAYOUT (BESTUECKUNGSSEITE)
TOL. ±0.05 [0.002] UNLESS NOTED



NOTE 1: WITH PEGS, SMT SIDE SHIELD TABS AND SMT TERMINALS (STP)
NOTE 2: C - UL APPROVED E145613-E AND MEETS FCC REQUIREMENTS
NOTE 3: RoHS COMPLIANT

Koplanarität der Anschlüsse ±0,1 mm
coplanarity area of termination ±0,1 mm

IMPROVED CONTACT DESIGN
(PRE BEND)



Technical specifications

Materials & Finish

Insulation body	Standard applic.	Value
Insulation body	Standard description	PA46 30%
Contact material	Standard description	CuSn5 (acc. JIS)
Contact finish, mating zone	Thickness of plating	30 µm Au over 50 µm Ni
Contact finish termination zone	Thickness of plating	80 µm matte Sn over 50 µm Ni
Shell/shield material	Standard description	C2680 (acc. JIS)
Plating shield / shielding pin		50 µm Ni / 80 µm Sn

Assembly process

Packaging	see chart
Solder temperature	260°C at 3-5s
Suitable assembly process	reflow

Approvals

UL insulation body	UL 94	V0
UL File No.		E145613
RoHS compliant		Yes

Test Data

Mechanical properties

Insertion/withdr. IEC 603-7	max. 20 N
Mechanical oper IEC 512-5, 9a	min. 1000
Effectiveness of connector coupling device IEC 512-8, 15f	50 N

Electrical properties

Creepage / clearance distances

a) Contact - cont. IEC 807-3	0,52 mm
b) Contact - shell IEC 807-3	min. 1,0 mm

Voltage proof (Dielectric Withstand Voltage)

a) Contact - cont. IEC 512-2, 4a	min. 1.000 V AC/DC
b) Contact - shell IEC 512-2, 4a	min. 1.500 V AC/DC
Current carrying IEC 512-3, 5b	1,5 A @ 25° C
Contact resistance IEC 512-2, 2a	max. 30 mOhm
Insulation resist. IEC 512-2, 3a	min. 500 MOhm

Environmental properties

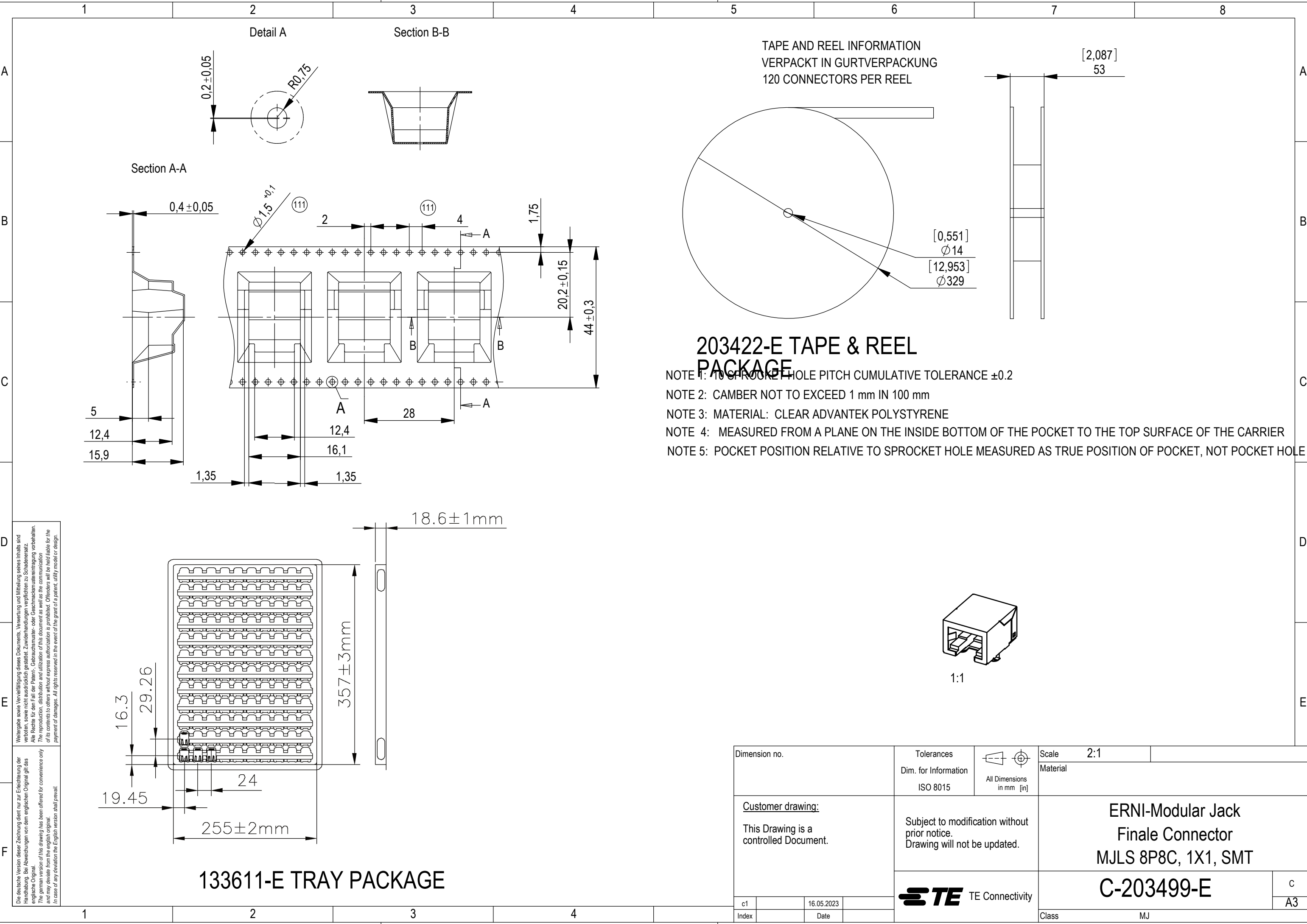
Operation temperature	-40° C - +85° C
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PART NO. IDENT. NR.	PACKAGING VERPACKUNG.
133611-E	TRAY (Standard) (SEE PAGE 2 of 2)
203422-E	TAPE & REEL (SEE PAGE 2 of 2) 120 PIECES PER REEL

Dimension no.	Tolerances Dim. for Information ISO 8015	All Dimensions in mm [in]	Scale 2:1	Material
Customer drawing: This Drawing is a controlled Document.	Subject to modification without prior notice. Drawing will not be updated.		ERNI-Modular Jack Finale Connector MJLS 8P8C, 1X1, SMT	
TE Connectivity		C-203499-E		C
c1	16.05.2023	Class MJ		A3
Index	Date			

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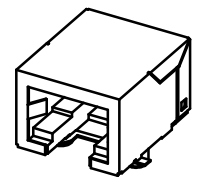
TAPE AND REEL INFORMATION
 VERPACKT IN GURTVERPACKUNG
 120 CONNECTORS PER REEL

[2,087]
 53

[0,551]
 $\varnothing 14$
 [12,953]
 $\varnothing 329$

203422-E TAPE & REEL PACKAGE

- NOTE 1: 10 SPROCKET HOLE PITCH CUMULATIVE TOLERANCE ± 0.2
- NOTE 2: CAMBER NOT TO EXCEED 1 mm IN 100 mm
- NOTE 3: MATERIAL: CLEAR ADVANTEK POLYSTYRENE
- NOTE 4: MEASURED FROM A PLANE ON THE INSIDE BOTTOM OF THE POCKET TO THE TOP SURFACE OF THE CARRIER
- NOTE 5: POCKET POSITION RELATIVE TO SPROCKET HOLE MEASURED AS TRUE POSITION OF POCKET, NOT POCKET HOLE



1:1

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133611-E TRAY PACKAGE

Dimension no.	Tolerances Dim. for Information ISO 8015	All Dimensions in mm [in]	Scale 2:1	Material
Customer drawing: This Drawing is a controlled Document.		Subject to modification without prior notice. Drawing will not be updated.		ERNI-Modular Jack Finale Connector MJLS 8P8C, 1X1, SMT C-203499-E
c1 Index	16.05.2023 Date			
			Class	MJ