



Table of Contents

PPAP Package for:

Newark Electronics
(TE Connectivity Part Number): 927771-3
02-January-2019

Section A	<u>Nondisclosure Agreement</u>
Section # 1	<u>Design Records</u>
Section # 2	<u>Engineering Change Documents</u>
Section # 3	<u>Customer Engineering Approval</u>
Section # 4	<u>Design FMEA</u>
Section # 5	<u>Process Flow Diagrams</u>
Section # 6	<u>Process FMEA</u>
Section # 7	<u>Control Plan</u>
Section # 8	<u>Measurement Systems Analysis Studies</u>
Section # 9	<u>Dimensional Results</u>
Section # 10	<u>Material, Performance Test Results</u>
Section # 11	<u>Initial Process Study</u>
Section # 12	<u>Qualified Laboratory Documentation</u>
Section # 13	<u>Appearance Approval Report</u>
Section # 14	<u>Sample Product</u>
Section # 15	<u>Master Sample</u>
Section # 16	<u>Checking Aids</u>
Section # 17	<u>Records Of Compliance With Customer-Specific Requirements</u>
Section # 18	<u>Part Submission Warrant</u>
Section # 18a	<u>Bulk Material Requirements</u>



Nondisclosure Agreement

If a nondisclosure agreement has been reached with your company, it will be included on the following page(s). Please review the terms of this agreement to ensure that further actions associated with information contained within this PPAP package do not violate these terms.

If a nondisclosure agreement HAS NOT been reached, certain documents deemed confidential by TE Connectivity will not be included in this PPAP package. These documents include but are not limited to the Design FMEA, the Process Flow Diagram, the Process FMEA and the Control Plan. These documents can be reviewed by you company but cannot be retained.



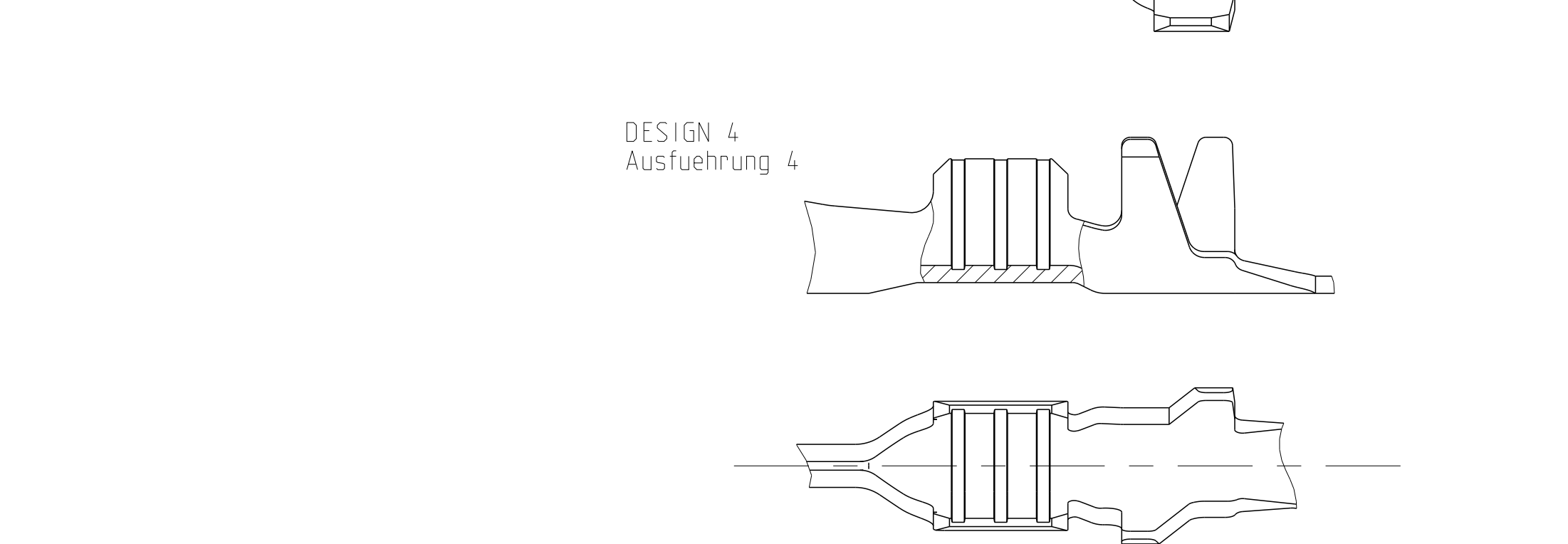
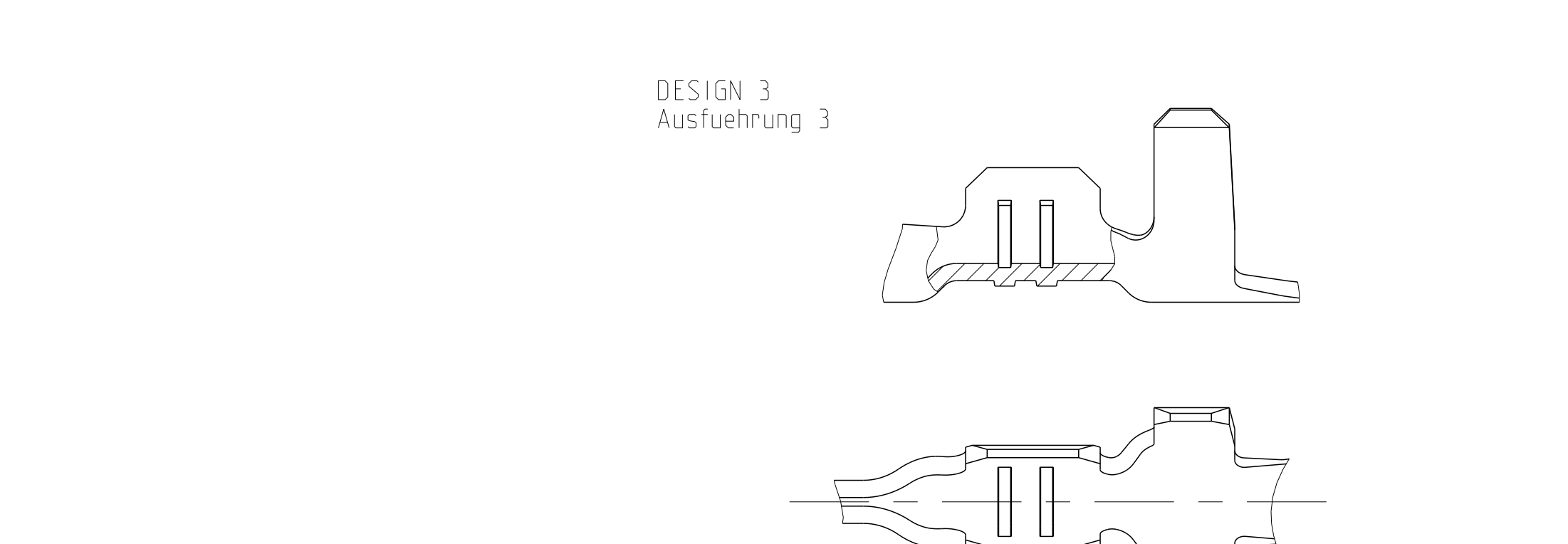
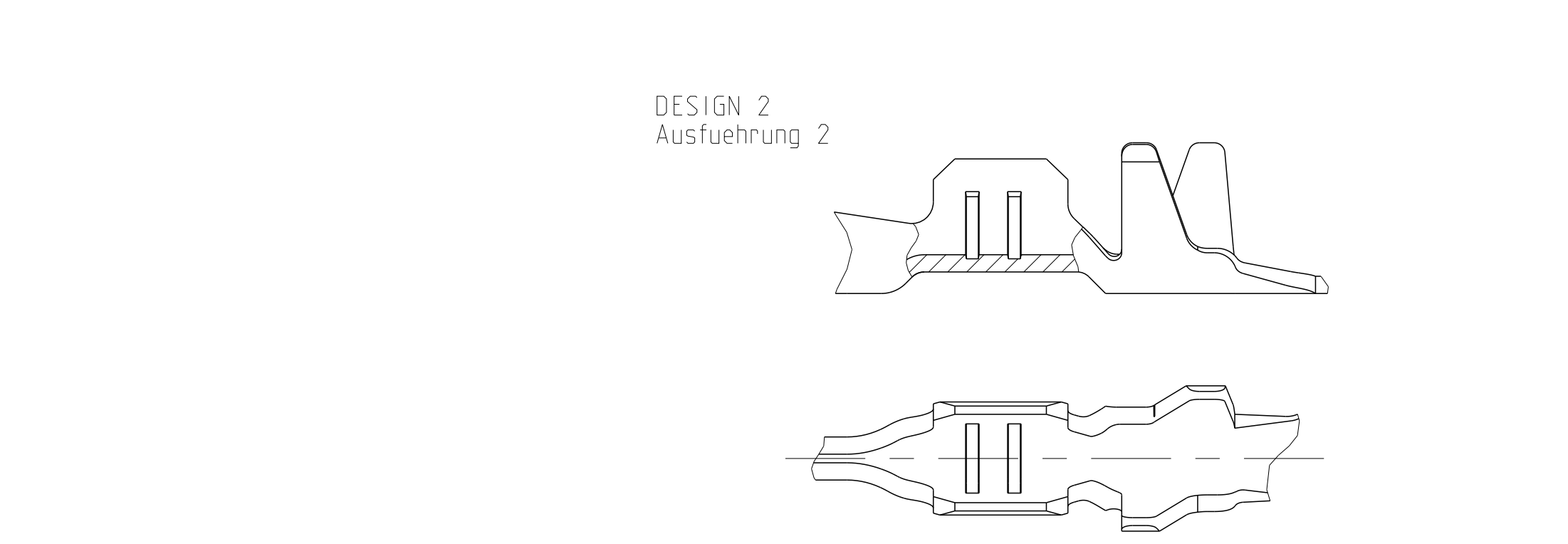
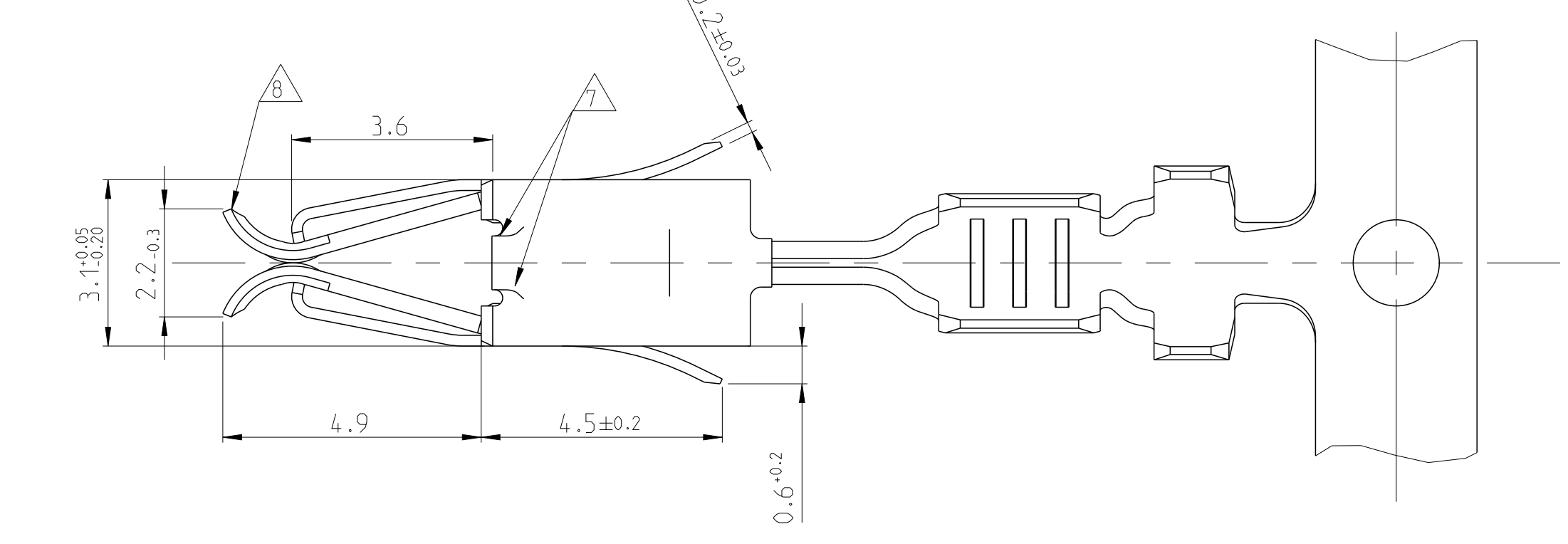
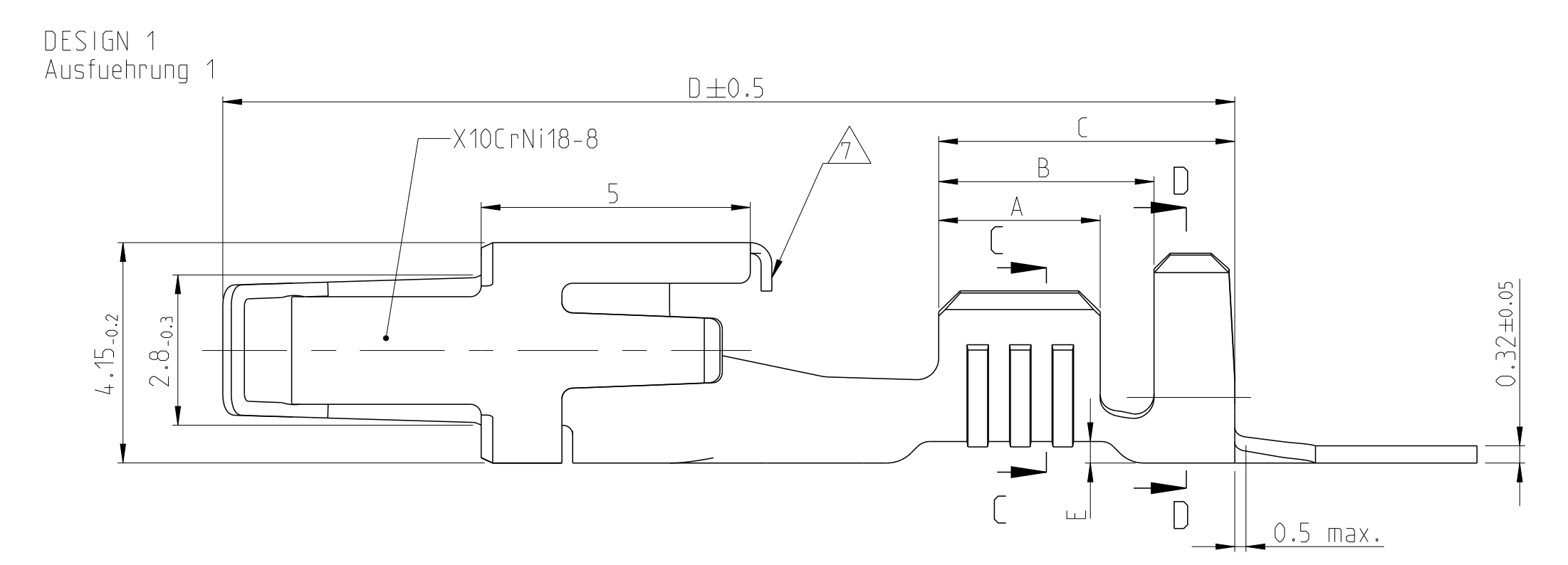
Section 1

Design Records

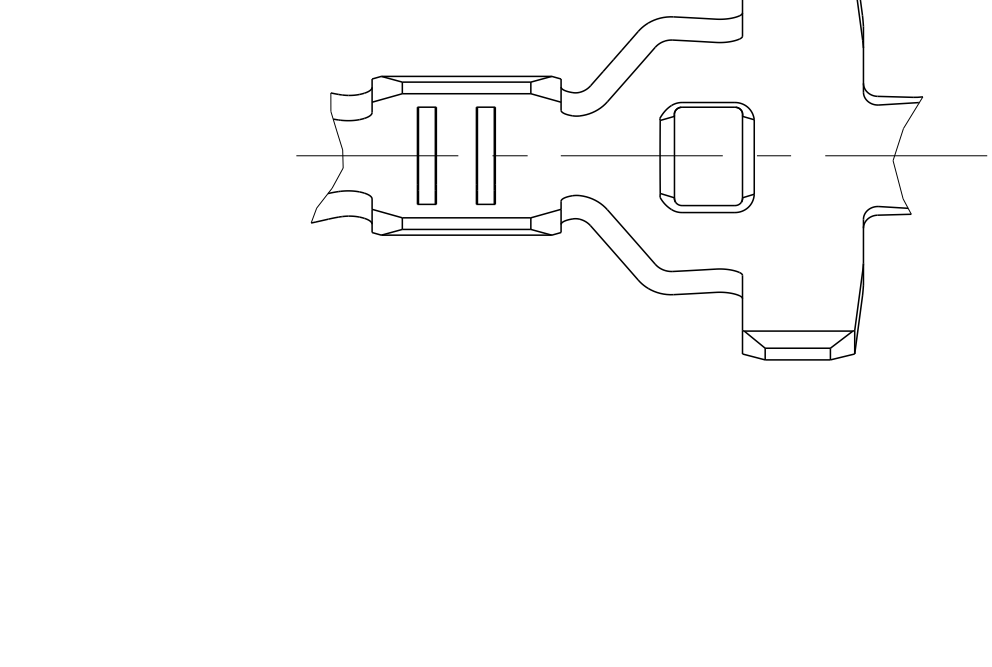
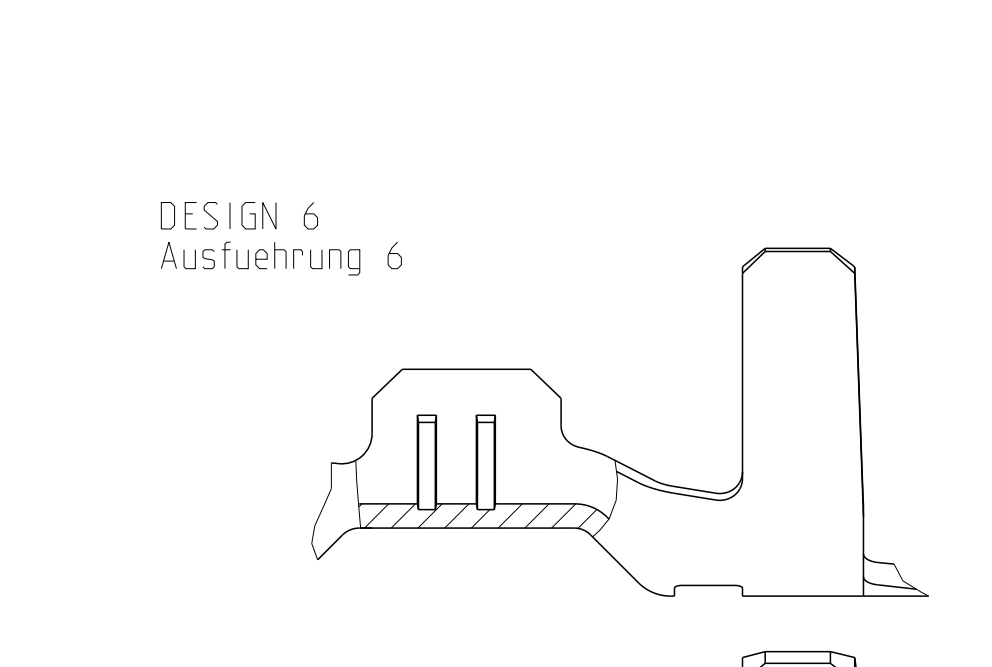
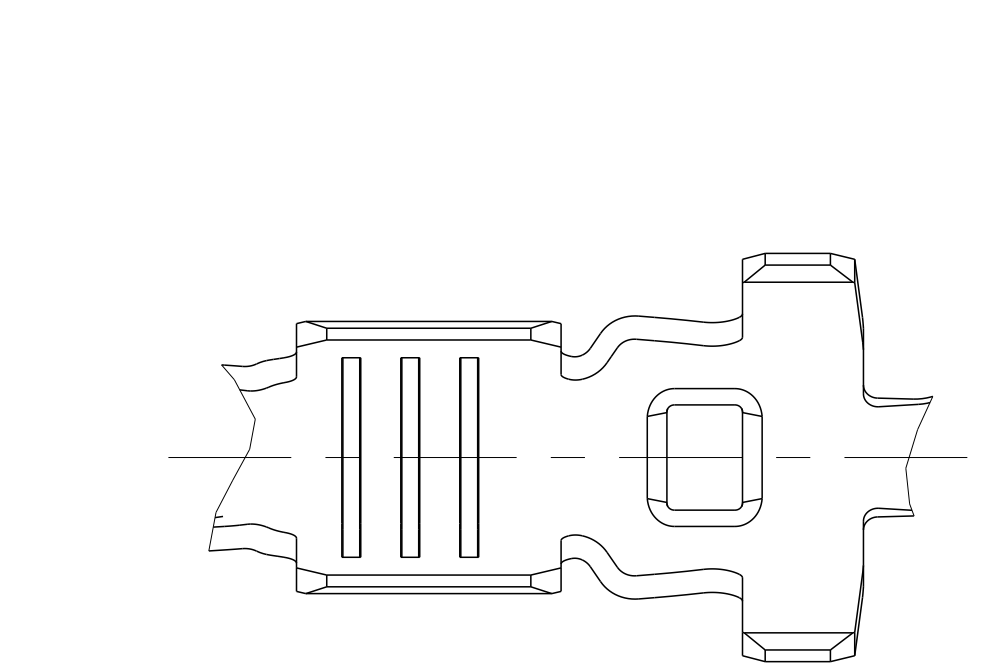
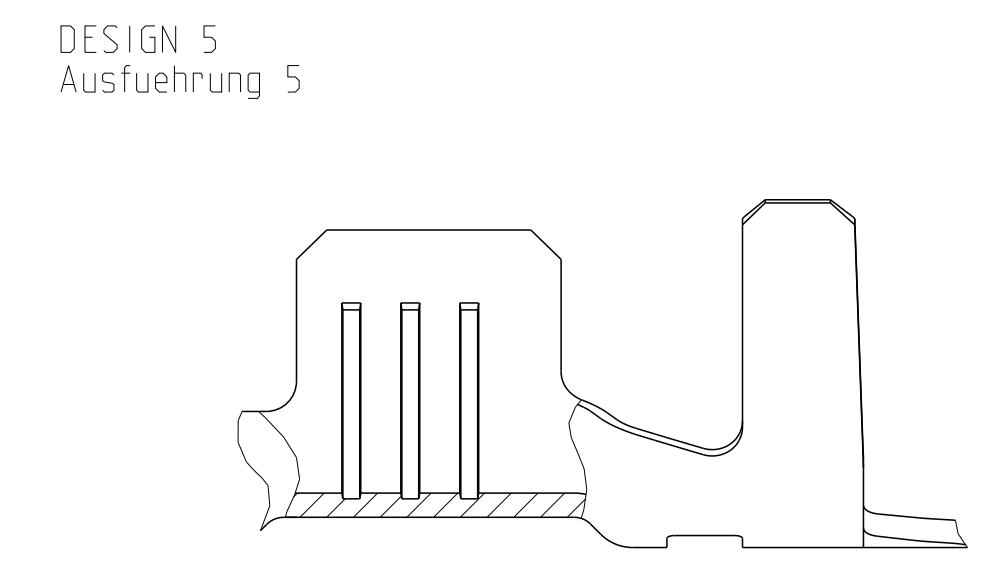
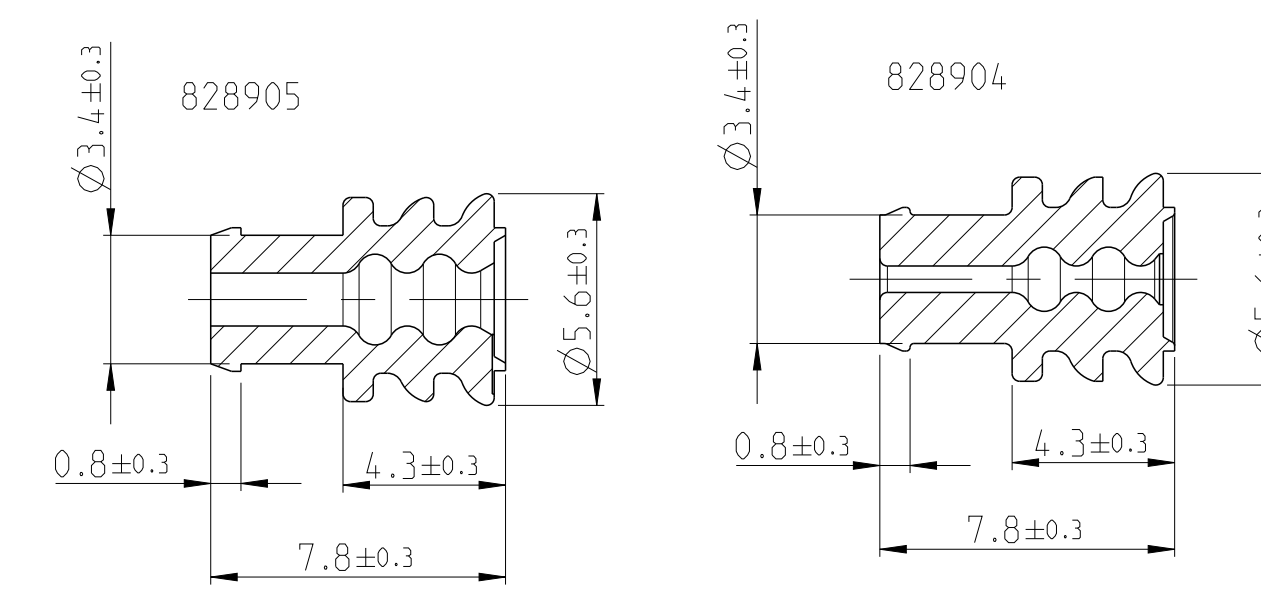


REV.	DESIGN Ausführung	MATERIAL Werkstoff	SURFACE Oberfläche	WIRE RANGE Drahtgrößen Bereich (mm²)	INSULATION Isolations Ø (mm)	STRIP FORM WIRE CRIMP Drahtcrimp Bandware	INSUL.-CRIMP Iso-Crimp Bandware	A	B	C	D	E
1	A	CuSn4	PRET INNED vorverzinkt min. 0.8 µm	0.5-1.0 FLR	1.4-2.3	E = 2.6 G = 2.8 DDr = 1.1	H = 3.6 K = 3.9 D = 1.8	3	4	5.5	18.8	0.4
1	A	CuSn4	PRET INNED vorverzinkt min. 0.8 µm	>1.0-2.5 FLR	2.1-3.1	E = 3.6 G = 3.8 DDr = 1.8	H = 4.7 K = 4.9 D = 2.6	3.3	4.3	5.8	18.8	0.4
1	A	CuSn4	PLAIN BLANK	0.5-1.0 FLK	2.0-2.7	E = 2.6 G = 2.8 DDr = 1.1	H = 3.9 K = 4.1 D = 2.4	3	4	5.5	18.8	0.4
1	M	CuNi12Zn24	PRET INNED vorverzinkt min. 0.8 µm	0.5-1.0 FLK	2.0-2.7	E = 2.6 G = 2.8 DDr = 1.1	H = 3.9 K = 4.1 D = 2.4	3	4	5.5	18.8	0.4
1	M	CuSn4	PRET INNED vorverzinkt min. 0.8 µm									
1	M	CuSn4	PRET INNED vorverzinkt min. 0.8 µm									
1	M	CuFe2	PRET INNED vorverzinkt min. 0.8 µm									
1	A	CuFe2	PRET INNED vorverzinkt min. 1 µm	0.5-1.0 FLR	1.4-2.3	E = 2.6 G = 2.8 DDr = 1.1	H = 3.6 K = 3.9 D = 1.8	3.0	4.0	5.5	18.8	0.4
1	A	CuSn4	PRET INNED vorverzinkt min. 1 µm	>1.0-2.5 FLR	2.1-3.1	E = 3.6 G = 3.8 DDr = 1.8	H = 4.7 K = 4.9 D = 2.6	3.3	4.3	5.8	18.8	0.4
1	N	CuSn4	PRET INNED vorverzinkt min. 1 µm	>1.0-2.5 FLK	2.7-4.1	E = 3.6 G = 3.8 DDr = 1.8	H = 5.5 K = 5.8 D = 3.6	3.3	4.3	5.8	18.8	0.4
1	R	CuSn4	PRET INNED vorverzinkt min. 1 µm	>1.0-2.5 FLR	2.1-3.1	E = 3.6 G = 3.8 DDr = 1.8	H = 4.7 K = 4.9 D = 2.6	3.3	4.3	5.8	18.8	0.4
1	R	CuFe2										
1	P	CuSn4										
1	P	CuFe2										
1	A	CuSn4	PRET INNED vorverzinkt min. 1 µm	0.5-1.0 FLR	1.4-2.3	E = 2.6 G = 2.8 DDr = 1.1	H = 3.6 K = 3.9 D = 1.8	3	4	5.5	18.8	0.4
1	N	CuSn4										
1	N	CuFe2										
1	M	CuSn4										
1	M	CuFe2	PRET INNED vorverzinkt min. 1 µm	0.2-0.5 FLR	1.0-1.6	E = 2.1 G = 2.1 DDr = 0.8	H = 2.7 K = 2.8 D = 1.4	2.5	3.5	5.6	18.8	0.4
1	C	CuSn4										
1	C	CuFe2										
1	B	CuSn4										
2	B	CuFe2	PRET INNED vorverzinkt min. 1 µm	0.08-0.2 Sonderleitung	1.5-1.8	E = 1.7 G = 1.7 DDr = 0.6	H = 3.1 K = 3.2 D = 1.6	2.5	3.7	5.9	18.8	0.4
2	B	CuSn4										
2	B	CuFe2										
2	B	CuSn4										
3	A	CuSn4	PRET INNED vorverzinkt min. 0.8 µm	0.2-0.5 FLK	1.2-2.3	E = 2.1 G = 2.1 DDr = 0.8	H = 3.5 K = 3.6 D = 2.0	2.5	3.5	5	18.8	0.4
3	C	CuSn4	PRET INNED vorverzinkt min. 0.8 µm	0.2-0.5 FLK	1.2-2.3	E = 2.1 G = 2.1 DDr = 0.8	H = 3.5 K = 3.6 D = 2.0	2.5	3.5	5	18.8	0.4
3	C	CuFe2										
4	A	CuSn4	PLAIN BLANK	0.2-0.5 FLR	1.15-1.6	E = 2.4 G = 2.3 DDr = 1	H = 2.9 K = 2.9 D = 1.4	2.5	3.5	5.6	18.8	0.2
5	E	CuSn4	PRET INNED vorverzinkt min. 1 µm	>1.0-2.5 FLK	2.7-3.0	E = 3.6 G = 3.8 DDr = 1.8	H = 5.4 K = 4.6 D = 3.2	3.5	5.9	7.5	18.8	0.4
5	E	CuFe2										
5	D	CuSn4										
5	D	CuFe2										
5	E	CuSn4	PRET INNED vorverzinkt min. 1 µm	0.5-1.0 FLR	1.4-2.1	E = 2.6 G = 2.8 DDr = 1.1	H = 5.4 K = 4.6 D = 3.2	3	5.4	7	21	0.6
5	E	CuFe2										
5	G	CuSn4										
5	G	CuFe2										
5	F	CuSn4	PRET INNED vorverzinkt min. 1 µm	0.2-0.5 FLR	1.15-1.6	E = 2.1 G = 2.1 DDr = 0.8	H = 5.4 K = 4.6 D = 3.2	2.5	4.9	6.5	21	0.9
5	F	CuFe2										
5	D	CuSn4										
5	D	CuFe2										
6	D	CuSn4	PRET INNED vorverzinkt min. 1 µm	0.2-0.5 FLR	1.15-1.6	E = 2.1 G = 2.1 DDr = 0.8	H = 5.4 K = 4.6 D = 3.2	2.5	4.9	6.5	18.8	0.9
6	D	CuFe2										
6	D	CuSn4										
6	D	CuFe2										

SEE APPLICATION - SPECIFICATION
 siehe Verarbeitungspezifikation
 114-18050

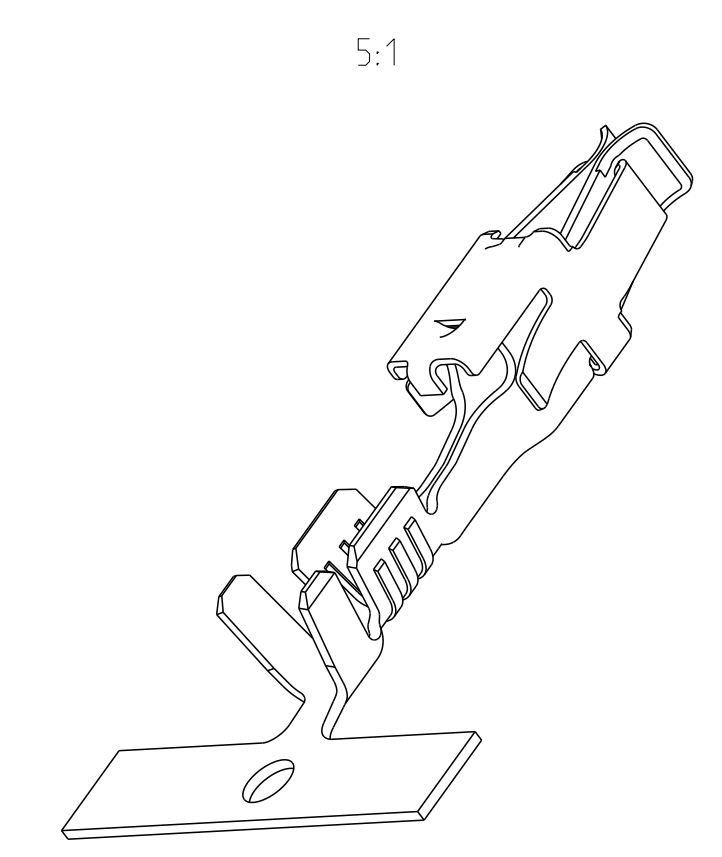


ORDER No. Bestell-Nr.	INSULATION Ø Isolations Ø	COLOUR Farbe
828904-1	1.2-2.1	blue blau
828905-1	2.2-3.0	white weiss



NOTES

- Bemerkungen
- CONTACT BODY PRE-SILVER PLATED MIN. 0.8 µm
 Kontaktkoerper vorversilbert min. 0.8 µm
 CONTACT ZONE SELECTIVE PRE-SILVER PLATED MIN. 3 µm
 Kontaktzone selektiv vorversilbert min. 3 µm
 - CONTACT ZONE GOLD PLATED MIN. 0.8 µm OVER MIN. 1.3 µm NICKEL-LAYER
 Kontaktzone vergoldet min. 0.8 µm ueber min. 1.3 µm Nickel-Zwischenschicht
 CRIMP AREA MIN. 1 µm TIN PLATED OVER NICKEL-LAYER
 Crimpbereich min. 1 µm verzinkt ueber Nickel-Zwischenschicht
 - CANTILEVER SPRING INSIDE AND OUTSIDE 0.4-1.2 µm GOLD PLATED
 Ueberfeder innen und aussen 0.4-1.2 µm vergoldet
 - CONTACT BODY, CONTACT SPRING INSIDE AND CRIMP AREA MIN. 1 µm TIN PLATED OVER NICKEL-LAYER.
 TOUCHING AREA TO CANTILEVER SPRING AND CONTACT SPRING OUTSIDE
 SELECTIVE 0.8 µm GOLD OVER MIN. 1.3 µm NICKEL-LAYER
 Kontaktkoerper, Kontaktfeder innen und Crimpbereich min. 1.3 µm verzinkt ueber Nickel-Zwischenschicht, Anlagetaeche zur Ueberfeder und Kontaktfeder aussen selektiv 0.8 µm vergoldet ueber min. 1 µm Nickel-Zwischenschicht
 - CONTACT ZONE AND TOUCHING AREA TO CANTILEVER SPRING MIN. 0.8 µm SELECTIVE GOLD PLATED OVER 1.3 µm NICKEL PLATED. CRIMP AREA MIN. 1 µm TIN PLATED OVER NICKEL-LAYER
 Kontaktzone und Anlagetaeche zur Ueberfeder min. 0.8 µm vergoldet ueber min. 1.3 µm Nickel-Zwischenschicht Crimpbereich min. 1 µm verzinkt ueber Nickel-Zwischenschicht
 - CONTACT BODY AND CRIMP AREA MIN. 1 µm TIN PLATED OVER NICKEL-LAYER.
 TOUCHING AREA TO CANTILEVER SPRING SELECTIVE 0.8 µm GOLD OVER MIN. 1.3 µm NICKEL-LAYER
 Kontaktkoerper und Crimpbereich min. 1 µm verzinkt ueber Nickel-Zwischenschicht, Anlagetaeche zur Ueberfeder selektiv 0.8 µm vergoldet ueber min. 1.3 µm Nickel-Zwischenschicht
 - CONTACT OFF OPTIONAL
 Abschnitt/Freisschnitt optional
 - SAWAG ONLY FOR PN 929937, 929939, 929941
 Swage nur fuer PN 929937, 929939, 929941
 - VARIANTS WITH GAP-SIZE 0.3mm (±0.1)
 Varianten mit Gap-Size 0.3mm (±0.1)
 - CONTACTS DIPPED IN OR SPRAYED WITH LUBRICANT BARRIERTA
 Kontakte getaucht oder besprueht mit Lubricant Barrierta
 - ACCORDING INSULATION DIA IS TO CHOOSE THE SINGLE WIRE SEAL
 Entsprechend dem Isolationsdurchmesser ist die Einzel-Dichtung auszuwaehlen
 - VARIANTS WITH GAP-SIZE 0.65mm (-0.1)
 Varianten mit Gap-Size 0.65mm (-0.1)
 - VARIANTS WITH GAP-SIZE 0.15mm (-0.05)
 Varianten mit Gap-Size 0.15mm (-0.05)





Section 2

Engineering Change Documents



Product Change Notification

Current Date: 02-Jan-2019

TE Connectivity

Product Change Notification: P-18-015571

PCN Date: 07-MAR-18

TE would like to inform you of the following change(s) to the listed TE Connectivity Product. In case of any further questions about this change(s), please contact your TE Connectivity Sales Engineer. Affected part, drawing and/or specification numbers are listed on the attached sheet(s).

General Product Description:

JUNIOR POWER TIMER CONTACT

Description of Changes

Dear Customer, we hereby inform you about a duplication of a stamping tool for the TE PN 927771-x, 927775-3.

Reason for Changes:

Customer Request.As a result of our continuous strive for capacity increase of our production, we hereby inform you upfront about a new tool 11-1829595, which is under construction In order to meet all specification requirements to cover increasing market demand and which will run in addition to the current one.

Estimated Dates:
Last Order Date (Obsolete Parts Only):

First Date To Ship (Changed Parts Only):

12-MAY-2019

Last Ship Date (Obsolete Parts Only):

Last Date for Mixed Shipments: (Changed Parts Only):

No Mixed Shipments

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
927771-1	NO					
927771-3	NO		"0-0927771-3"			
927771-6	NO					
927775-3	NO					



Section 3

Customer Engineering Approval



Section 4

Design FMEA

See Section A for nondisclosure conditions.

The Design FMEA, if included, is a Class II confidential document belonging to TE Connectivity. A class II document may not be further distributed and is subject to the conditions of the nondisclosure agreement.



Section 5

Process Flow Diagram

See Section A for nondisclosure conditions.

The Process Flow Diagram, if included, is a Class II confidential document belonging to TE Connectivity. A class II document may not be further distributed and is subject to the conditions of the nondisclosure agreement.



Section 6

Process FMEA

See Section A for nondisclosure conditions.

The Process FMEA, if included, is a Class II confidential document belonging to TE Connectivity. A class II document may not be further distributed and is subject to the conditions of the nondisclosure agreement.



Section 7

Control Plan

See Section A for nondisclosure conditions.
The Control Plan, if included, is a Class II confidential document belonging to TE Connectivity. A class II document may not be further distributed and is subject to the conditions of the nondisclosure agreement.



Section 8

Measurement System Analysis



Not Applicable

Section 9

Dimensional Results



Production Part Approval Dimension Test Results

ORGANIZATION: TE Connectivity Spain, S.L.U.					PART NUMBER: 927771-3							
SUPPLIER/VENDOR CODE: DUNS 46000409					PART NAME: Junior Power Timer Contact							
INSPECTION FACILITY: Montcada i Reixac					DESIGN RECORD CHANGE LEVEL: C-1355046							
					ENGINEERING CHANGE DOCUMENT: A16							
ITEM	DIMENSION / SPECIFICATION		SPECIFICATION / LIMITS		TEST DATE	QTY. TESTED	ORGANIZATION MEASUREMENT RESULT (DATA)			OK	NOT OK	
1	18,8	D	0,5	-0,5			18,75				x	
2	5		0,2	-0,2			4,90				x	
3	5,5	C	0,2	-0,2			5,50				x	
4	4	B	0,2	-0,2			4,04				x	
5	3	A	0,2	-0,2			2,99				x	
6	0,32		0,05	-0,05			0,32				x	
7	0,5	Max.	0	-0,5			Unable to measure on strip			-		
8	0,4	E	0,2	-0,2			0,34				x	
9	4,15		0	-0,2			4,05				x	
10	2,8		0	-0,3			2,61				x	
11	3,6		0,2	-0,2			3,60				x	
12	0,2		0,03	-0,03			0,20				x	
13	0,6		0,2	0			0,66				x	
14	4,5		0,2	-0,2			4,56				x	
15	4,9		0,2	-0,2			4,80				x	
16	3,1		0,05	-0,2			3,00				x	
17	2,2		0	-0,3			2,14				x	
	<u>Section C-C</u>											
18	1,1	Ddr Ø	0,2	-0,2			1,20				x	
19	2,8	G	0,3	-0,3			2,79				x	
20	2,6	E	0,3	-0,3			2,69				x	
	<u>Section D-D</u>											
21	3,9	K	0,3	-0,3			3,84				x	
22	3,6	H	0,3	-0,3			3,63				x	
23	1,8	D Ø	0,2	-0,2			1,76				x	

Blanked statements of conformance are unacceptable for any test results

SIGNATURE	TITEL	DATE
Antonio Pérez	Technician Product Approval	22/11/2018



Section 10

Material, Performance Test Results

Zapp Precision Metals GmbH, Postfach 21 29, D-59411 Unna

TE Connectivity AMP Espana S.L.U.
C. del Mig s/n
Poligono Ind. Plá d'en Coll
08110 MONTCADA I REIXAC, BARCELONA
SPANIEN

Certificate No./Attest-Nr. 10331376000010 01

Date/Datum 31.08.2018

Page/Seite/Page 1/2

Customer PO# 2550093843 of/vom/du 25.01.2016

Kunden-Bestell-Nr. / No. de commande

Customer Part No. 705704-8

Kunden-Material-Nr. / Votre No. d'article

Customer Specification 100-309-2

Kunden-Spezifikationen / Spécification de client

Customer No. 602345

Kundennr. / Code client

Delivery Note 10331376 Pos 10

Lieferschein-Nr. / Bon de livraison

Sales Order No. 1324229

Auftragsnr./No. de commande

Contact Monika Kaminsky

Kontakt Tel. +49 2304 79-242

Material No. 2010999

Materialnr./No.d'article

Material Designation STAINLESS STEEL EN 10151, 10088-2 - PRECISION STRIP EN ISO 9445-1

Bezeichnung / Désignation

Grade / Alloy ERGSTE 1.4310 FS

Dimension 0,2000 mm X 12,100 mm

Surface bright

Edge slit edges

Width tolerance -0,050 mm / 0,050 mm

Thickness tolerance -0,0100 mm / 0,0100 mm

Chemical Composition (%)

Chemische Zusammensetzung / Composition chimique

Heat No. 0453316

Schmelzennr./ No. de coulée

Melting Process: AOD

Erschmelzungsart / Mode d'élaboration

	C	Si	Mn	P	S	N	Cr	Ni	Mo
Actual	0,1100	0,8400	1,2800	0,0280	0,0010	0,0680	16,5300	6,6600	0,2500

Production Lot 4558742

Produktionslos / Unité de production

Inspection Lot 020000374902 / 000001

Prüflos / Prüfeinheit / Unité d'inspection

Weight

Gewicht / Poids

1.002,000 KG

Pack.Unit

Packstücke / No. de caisse

1324229124

Inspection result

Prüfergebnisse / Résultats d'examen

	Target (min)	Target (max)	Actual (min)	Actual (max)
Tensile Strength (MPa)	1350	1500	1439	1450
Yield Strength 0.2 (MPa)	1000		1173	1181
A80 (%)	13,0		17,3	18,3
Folding trans. 180°		0,50	0,50	0,50
Folding long. 180°		1,00	1,00	1,00
Average Roughness Ra (µm)		0,200	0,147	0,153
cpk Thickness	1,67		13,62	13,62

Sizes and Quality identification test examined and in order.

Surface visual inspection at finish: without objection.

In compliance with the conditions mentioned in the acknowledgement of order.

AWE / G. LA PAGLIA

Acceptance / Inspection representative

Abnahme / Abn.Beauftragter

Contrôle / Contrôleur

+49 2304 79-7179

Phone

Telefon

Téléphone

This certificate has been issued by computer and is

valid without signature acc. to EN 10204 p.5.

Zapp Precision Metals GmbH, Postfach 21 29, D-59411 Unna

TE Connectivity AMP Espana S.L.U.
C. del Mig s/n
Poligono Ind. Plá d'en Coll
08110 MONTCADA I REIXAC, BARCELONA
SPANIEN

Certificate No./Attest-Nr. 10331376000010 01

Date/Datum 31.08.2018 Page/Seite/Page 2/2

AWE / G. LA PAGLIA

Acceptance / Inspection representative
Abnahme / Abn.Beauftragter
Contrôle / Contrôleur

+49 2304 79-7179

Phone
Telefon
Téléphone

This certificate has been issued by computer and is
valid without signature acc. to EN 10204 p.5.

Sundwiger Messingwerk
GmbH & Co. KG
Hönnetalstraße 110, 58675 HemerTE Connectivity SPAIN, S.L.U.
Polígono Industrial Pla den Coll
08110 MONTCADA I REIXAC (Barcelona)
SpanienEl destinatario
(1000261) TE Connectivity AMP Espana, S.L.U.
Polígono Industrial Pla D´en Coll
08110 Montcada I ReixacCustomer Service Center
Simone Schott
Telefon 02372 661 - 222
Telefax 02372 661 48 - 222Número de cliente: 201640
No. pedido SMW: 220076231
Orden de entrega: 230100979

Informe de pruebas 3.1 según EN 10204

No. pedido cliente: 2550115387**Especificación:** 7-1668000-4**Aleación:** BB4000 CuSn4 (CW450K)**Dimensión:** 0,320 mm x 23,60 mm**Material:** 1117114**No. Rollo:** 04A327.01 **Peso:** 4.705 kg

Ensayo mecanico		Nominal		Medido	
Espesor		0,310 - 0,330	mm	0,326 - 0,328	mm
Ancho		23,55 - 23,65	mm	23,55 - 23,64	mm
Resistencia a tracción	Rm	520 - 600	MPa	553 - 555	MPa
limite de alargamiento	Rp0,2	455 -	MPa	524 - 527	MPa
Alargamiento de rotura	A 50	6 -	%	8 - 9	%
Dureza*	HV	172 - 192		179 - 180	
	Ra	- 0,35	μ	0,21 - 0,22	μ
Aspereza	Ra	- 0,30	μ	0,12 - 0,15	μ
Tamaño del grano		- 15	μ	10 - 10	μ
Conductividad eléctrica	IACS	18,00 -	%	24,80 - 24,80	%
Auflage	Sn	1,00 - 2,00	μ	1,42 - 1,76	μ
Recitud del borde		- 2,00	mm/m	0,01 - 0,52	mm/m
Bombeo transversal		- 0,05	mm/Breite	0,01 - 0,04	mm/Breite
Cresto		- 0,032	mm	0,006 - 0,009	mm

Declaración de conformidad

Por la presente declaro como fabricante que la mercancía descrita en este certificado corresponde con las especificaciones acordadas con el fabricante y en conjunto con los datos expuestos en este certificado. La entrega se realiza conforme las Directivas europeas: sobre restricciones a la utilización de determinadas sustancias peligrosas en aparatos eléctricos y electrónicos (RoHS en sus siglas en inglés), relativa a los vehículos al final de su vida útil (ELV en sus siglas en inglés), sobre residuos de aparatos eléctricos y electrónicos (WEEE en sus siglas en inglés) y REACH.

Nuestro sistema management integrado de calidad, medio ambiente, energía, protección laboral y sanitario (ISO 9001, ISO 14001,

Comprobado y autorizado por:

2018-09-05

Aseguramiento Calidad

Martin Grzesik

Certificado de inspección elaborado automáticamente

* = Valor de orientación, no relevante por recepción

Sundwiger Messingwerk
GmbH & Co. KG
Hönnetalstraße 110, 58675 Hemer

TE Connectivity SPAIN, S.L.U.
Polígono Industrial Pla den Coll
08110 MONTCADA I REIXAC (Barcelona)
Spanien

El destinatario
(1000261) TE Connectivity AMP Espana, S.L.U.
Polígono Industrial Pla D´en Coll
08110 Montcada I Reixac

Customer Service Center
Simone Schott
Telefon 02372 661 - 222
Telefax 02372 661 48 - 222

Número de cliente: 201640
No. pedido SMW: 220076231
Orden de entrega: 230100979

Informe de pruebas 3.1 según EN 10204

No. Rollo: 04A327.01

Plegado 180° bw/r=t libre de resentirse

Composición química

Cu Resto	Sn	3,8 %	P	0,06 %	Zn	0,02 %	Ni	< 0,05 %
Fe < 0,01 %	Pb	< 0,005 %	Cd	libre				

Declaración de conformidad

Por la presente declaro como fabricante que la mercancía descrita en este certificado corresponde con las especificaciones acordadas con el fabricante y en conjunto con los datos expuestos en este certificado. La entrega se realiza conforme las Directivas europeas: sobre restricciones a la utilización de determinadas sustancias peligrosas en aparatos eléctricos y electrónicos (RoHS en sus siglas en inglés), relativa a los vehículos al final de su vida útil (ELV en sus siglas en inglés), sobre residuos de aparatos eléctricos y electrónicos (WEEE en sus siglas en inglés) y REACH.

Nuestro sistema management integrado de calidad, medio ambiente, energía, protección laboral y sanitario (ISO 9001, ISO 14001,

Comprobado y autorizado por:

2018-09-05

Aseguramiento Calidad

Martin Grzesik

Certificado de inspección elaborado automáticamente



Section 11

Initial Process Studies

Not Applicable



Section 12

Qualified Laboratory Documentation



CERTIFICATE



This is to certify that

TE Connectivity Spain SLU

Poligno Industrial Pla d'en Coll - C/Tordera, 6
08110 Montcada i Reixac
Spain

has implemented and maintains a **Quality Management System**.

Scope:

Design and manufacturing of electronic and mechatronic components and connector systems.

An audit, conducted and documented in a report, has verified that this quality management system fulfills the requirements of the following International Automotive Standard:

IATF 16949:2016

(with product design)

Certificate registration no.	515108 IATF16
Main certificate registration no.	515099 IATF16
Issuing date	2018-07-19
This certificate is valid until	2021-07-18
IATF No.	0318279



2-IAO-QMC-01001

For and on behalf of DQS

Stefan Heinloth
Managing Director, DQS GmbH

Michael Drechsel
Managing Director, DQS Holding GmbH



Annex to certificate registration no.: 515108 IATF16
IATF-No.: 0318279

TE Connectivity Spain SLU

Poligno Industrial Pla d'en Coll - C/Tordera, 6
08110 Montcada i Reixac
Spain



2-IAO-QMC-01001

Remote Location	Scope
515114 TE Connectivity Solutions GmbH Amperestr. 3 9323 Steinach Switzerland	Logistics
515099 TE Connectivity Germany GmbH Amperestr. 12-14 64625 Bensheim Germany	Continuous Improvement, Customer Service, Human resource, Internal Audit Management, Management Review, Policy making, Process Design, Product Design, Production Equipment Development, Purchasing, Quality System Management, Sales, Supplier Management
515116 TE Connectivity Germany GmbH Amperestr. 12-14 73499 Wört Germany	Process Design, Warehousing
515103 TE Connectivity Germany GmbH Amperestr. 11 91550 Dinkelsbühl Germany	Production Equipment Development, Process Design
515110 Tyco Electronics France SAS 1 rue Ampère 95300 Pontoise France	Customer Service, Product Design, Sales
515514 Tyco Electronics AMP Italia Products S.r.l. Corso Fratelli Cervi 15 10093 COLLEGNO TORINO Italy	Customer Service, Sales



Annex to certificate registration no.: 515108 IATF16
IATF-No.: 0318279

TE Connectivity Spain SLU

Poligno Industrial Pla d'en Coll - C/Tordera, 6
08110 Montcada i Reixac
Spain



2-IAO-QMC-01001

Remote Location	Scope
525517 TE Connectivity Morocco SARL I Lot 60, Zone Franche Tangier 90 000 Tangier Morocco	Warehousing
525515 TE Connectivity Tunisia office Immeuble Lake Forum, 4 ème étage 5 rue de la feuille d'érable 1053 Tunis Tunisia	Warehousing



Section 13

Appearance Approval Report

Not Applicable



Section 14

Sample Product

**Sent in separate package
(if required)**



Section 15

Master Sample

Retained at manufacturing location



Section 16

Checking Aids

Not Applicable



Section 17

Records of Compliance with Customer-Specific Requirements

MDS Report

Substances of assemblies and materials

This report is for internal Automotive industry use only. Distribution to non-Automotive clients is a violation of the Terms of Use, and is not permitted unless a written permission was given by DXC Technology. Parsing is not allowed.

1. Company and Product Name

1.1 Supplier Data

Name [ID]: **Tyco Electronics GAD [913]**
DUNS Number: **-**
Street/Postal Code: **Amperestr. 12-14**
Nat./ZipCode/City: **DE 64625 Bensheim**
Supplier Code: **-**
Contact Person: **IMDS Team (India) Engineering Services**
- Phone: **-**
- Fax No.: **-**
- E-Mail Address: **imds@te.com**

1.2 Product Identification

Part/Item No.: **927771-3**
Description: **Junior-Power-Timer Contact**
Report No.: **-**
Date of Report: **-**
Purchase Order No.: **-**
Bill of Delivery No.: **-**
Preliminary MDS: **No**
IMDS ID / Version: **5147832 / 43**
Node ID: **764979488**
MDS Status (Change Date): **Internally released (08/24/2018)**

MDS Report

Substances of assemblies and materials

Materials which are subject to legal prohibitions must not be included!
 Dangerous substances formed or released during use must also be declared
 Please note: GADSL list for substances that require declaration

2. Characterization of the Component

Part/Item No.: **927771-3**
 Description: **Junior-Power-Timer Contact**

Report No.: **-**
 IMDS ID / Version: **5147832 / 43**
 Node ID: **764979488**

Tree Level	Description Article Name Name Substance name	Part/Item No. Item- /Mat.-No. Material-No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL, SVHC	Parts Marking Recyclate (Indust./Consumer) Application [ID]
1	Junior-Power-Timer Contact	927771-3	5147832 / 43		0.387				
└2	Body			1	0.305				
└3	CuSn4		10742811 / 5		0.3036			3.2	No
└4	Iron	7439-89-6				0.05	0 - 0.1		
└4	Nickel	7440-02-0				0.1	0 - 0.2	D	Not applicable [34]

IMDS ID / Version:
User:

5147832 / 43
Tesisteco, Jesus

Page:
Date:

3 / 4
1/2/19 4:18:47 PM

Tree Level	Description Article Name Name Substance name	Part/Item No. Item- /Mat.-No. Material-No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL, SVHC	Parts Marking Recyclate (Indust./Consumer) Application [ID]
└4	Phosphorus	7723-14-0				0.205	0.01 - 0.4		
└4	Lead	7439-92-1				0.01	0 - 0.02	D / P / SVHC	Concentration within acceptable GADSL limits [44]
└4	Zinc (metal)	7440-66-6				0.1	0 - 0.2		
└4	Tin	7440-31-5				4	3.5 - 4.5		
└4	Misc., not to declare	system				0.1	0 - 0.2		
└4	Copper	7440-50-8				95.435		D	
└3	e-plate Sn (electrodeposited Tin Coatings, bright and matt)		756885 / 5		0.0014			4.2	No
└4	Carbon	7440-44-0				0.505	0.01 - 1		
└4	Sulphur	7704-34-9				0.02	0 - 0.04		
└4	Lead	7439-92-1				0.015	0 - 0.03	D / P / SVHC	Concentration within acceptable GADSL limits [44]
└4	Tin	7440-31-5				99.46			
└2	Junior Power Timer Spring	0-0927767-1	3456754 / 26	1	0.082				
└3	X10CrNi18-8		36413360 / 6		0.082			1.1.2	No
└4	Carbon	7440-44-0				0.1	0.05 - 0.15		
└4	Chromium	7440-47-3				17.5	16 - 19		
└4	Manganese	7439-96-5				1	0 - 2		
└4	Nitrogen	7727-37-9				0.05	0 - 0.1		

Tree Level	Description Article Name Name Substance name	Part/Item No. Item- /Mat.-No. Material-No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL, SVHC	Parts Marking Recyclate (Indust./Consumer) Application [ID]
└4	Nickel	7440-02-0				7.75	6 - 9.5	D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]
└4	Phosphorus	7723-14-0				0.0225	0 - 0.045		
└4	Sulphur	7704-34-9				0.0075	0 - 0.015		
└4	Silicon	7440-21-3				1	0 - 2		
└4	Iron	7439-89-6				71.67			
└4	Copper	7440-50-8				0.5	0 - 1	D	
└4	Molybdenum	7439-98-7				0.4	0 - 0.8		
This is an uncontrolled copy of a document created by IMDS. End of the report.									



Section 18

Part Submission Warrant



Section 18a

Bulk Material Requirements



Not Applicable