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PPAP Package for:

Customer Name: Newark Electronics
Customer Part Number: 08AH2106
(TE Connectivity Part Number): 5-1418760-3
Date: October 2020

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

THE DRAWING SHOWS THE 2-DIMENSIONAL REFERENCE COMPONENT CONDITION OF THE ASSEMBLY TO IDENTIFY AND SPECIFY THE NECESSARY DIMENSIONS ONLY. THE DELIVERED PARTS MAY DEVIATE FROM THE DRAWING REGARDING THE ORIENTATION AND POSITION OF EACH COMPONENT (e.g. SLACK CABLE). SO FAR THE FUNCTIONALITY IS NOT CONCERNED.

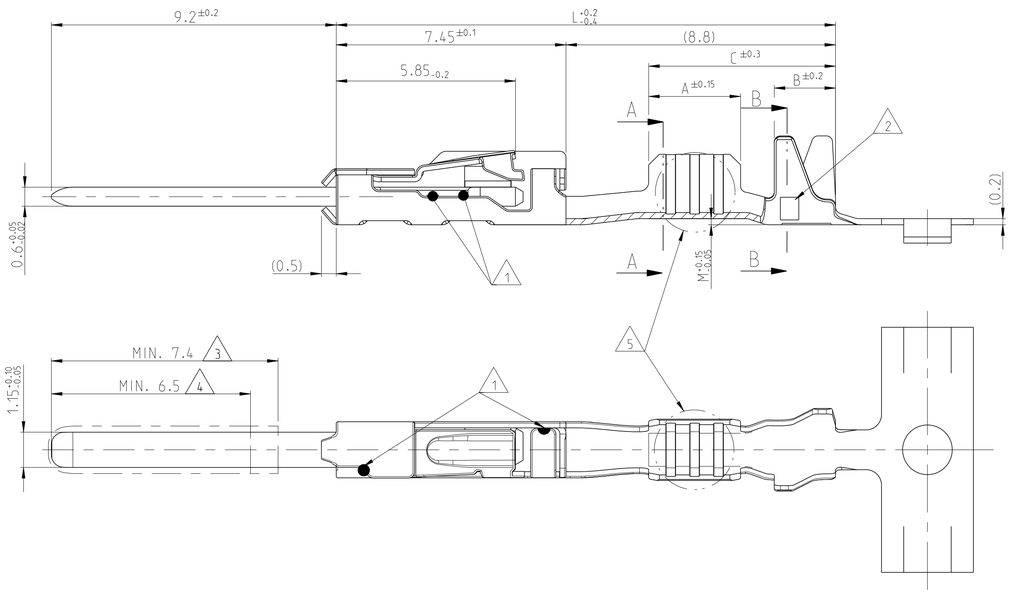
DIE ZEICHNUNG ZEIGT DEN 2-DIMENSIONALEN IDEALZUSTAND DES ZUSAMMENBAUTEILS BEZÜEGLICH DER KOMPONENTEN ZUR IDENTIFIKATION UND SPEZIFIKATION DER NOTWENDIGEN DIMENSIONEN. HINSICHTLICH DER ORIENTIERUNG UND DER LAGE DER KOMPONENTEN (z.B. BIEGESCHLAFFES KABEL) KOENNEN DIE GELIEFERTEN TEILE VON DER ZEICHNUNG ABWEICHEN. SOFERN DIE FUNKTIONALITAET NICHT BEEINTRAECHTIGT IST.

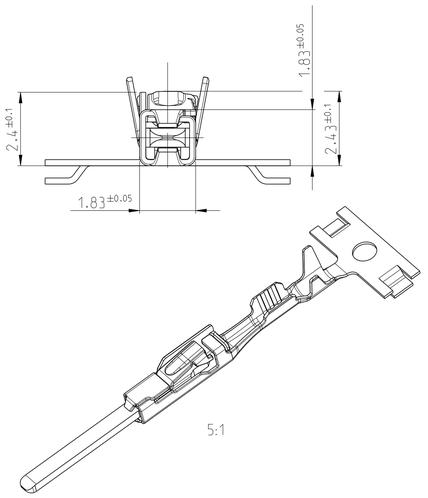
LOC	DIST
A1	-

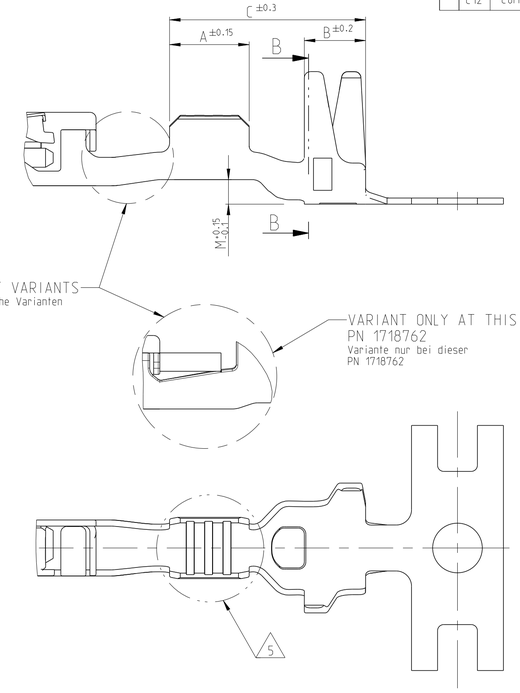
PROJECT No. EGAUT 02021

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	C9	ECR-15-012070	22SEP2015	JBJH	BK
	C10	DIM 'L' FOR 2141868-1, -2 and -3 IS CHANGED TO 16.3mm	06OCT2017	GH	CASS
	C11	E-19-013005	20AUG2019	FRAN	CASS
	C12	Correction of Design 3	05JUN2020	FRAN	CASS

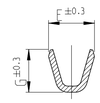
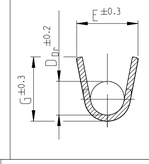
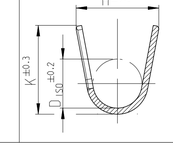
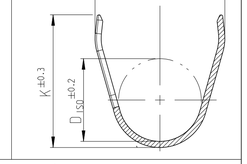




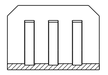
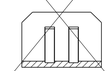


SINGLE WIRE SEALING SYSTEM
Einzelleiter - Dichtungs - System

SINGLE WIRE SEALING SYSTEM / Einzeldichtungssystem SEE APPLICATION SPECIFICATION / siehe Verarbeitungsspezifikation	ORDER NO. Bestell-Nr. STRIP Bandware	REV	WIRE RANGE Drahtgroessen-bereich (mm2)	INSULATION-Ø Isolations-Ø (mm)	BODY Kontaktkoerper	TAB Flachstecker	BODY Kontakt-koerper	SPRING Kontaktfeder	DESIGN WIRE-CRIMP Ausfuehrung Draht- Crimp 5	LENGTH Laenge	WIRE CRIMP Drahtcrimp	INSULATION CRIMP Isolations Crimp	DIMENSION Mass "L" (mm)	
					MATERIAL Werkstoff		SURFACE Oberflaeche			CRIMP DIMENSION Crimpabmessungen (mm)				
FLR CABLE / Leitung SEE APPLICATION SPECIFICATION / siehe Verarbeitungsspezifikation	1718762-3	B	1.0 - 1.5	1.9- 2.4	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	2	A = 3.0 B = 2.0 C = 6.8	E = 2.6 G = 2.9 D_{Dr} = 1.35	H = 4.4 K = 4.3 D_{iso} = 2.9 M = 0.8	16.8	
	1718762-2	C												
	1718762-1	B												
	1718760-3	A	0.5 - 0.75	1.4 - 1.9	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	2	A = 2.6 B = 2.0 C = 6.4	E = 2.0 G = 2.1 D_{Dr} = 1.1	H = 4.2 K = 4.3 D_{iso} = 2.7 M = 0.8	16.3	
	1718760-2	B												
	1718760-1	A												
	1718758-3	A	0.25 - 0.35	1.1 - 1.75	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	2	A = 2.6 B = 2.0 C = 6.4	E = 1.8 G = 1.8 D_{Dr} = 0.8	H = 4.2 K = 4.3 D_{iso} = 2.6 M = 0.8	16.3	
	1718758-2	B												
	1718758-1	A												
	2141868-3	A	0.13 - 0.22 6	2.6	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	1	A = 2.5 B = 1.9 C = 6.2	E = 1.5 G = 1.4	H = 4.0 K = 4.1 D_{iso} = 2.6 M = 0.6	16.3	
	2141868-2	A												
	2141868-1	A												
	1418762-3	A	1.0 - 1.5	1.9 - 2.4	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	3	A = 3.0 B = 2.0 C = 6.1	E = 2.6 G = 2.9 D_{Dr} = 1.35	H = 3.7 K = 3.9 D_{iso} = 2.1 M = 0.2	16.3	
	1418762-2	B												
	1418762-1	A												
	5-1418760-3	A	0.5 - 0.75	1.4 - 1.9	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	2	A = 3.0 B = 2.0 C = 6.1	E = 2.0 G = 2.1 D_{Dr} = 1.1	H = 2.7 K = 2.9 D_{iso} = 1.6 M = 0.2	16.3	
	5-1418760-2	A												
	5-1418760-1	A												
	1418760-3	B	0.5 - 0.75	1.4 - 1.9	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	3	A = 3.0 B = 2.0 C = 6.1	E = 2.0 G = 2.1 D_{Dr} = 1.1	H = 2.7 K = 2.9 D_{iso} = 1.6 M = 0.2	16.3	Superseded
	1418760-2	C												
	1418760-1	B												
	5-1418758-3	A	0.25 - 0.35	1.1 - 1.75	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	2	A = 2.6 B = 2.0 C = 5.7	E = 1.8 G = 1.8 D_{Dr} = 0.8	H = 2.6 K = 2.6 D_{iso} = 1.4 M = 0.2	16.3	
	5-1418758-2	B												
	5-1418758-1	A												
	1418758-3	A	0.25 - 0.35	1.1 - 1.75	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	4	A = 2.6 B = 2.0 C = 5.7	E = 1.8 G = 1.8 D_{Dr} = 0.8	H = 2.6 K = 2.6 D_{iso} = 1.4 M = 0.2	16.3	Superseded
	1418758-2	B												
	1418758-1	A												
	2141864-3	A	0.13 - 0.22 6	0.85 - 1.2	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	1	A = 2.5 B = 1.7 C = 5.4	E = 1.5 G = 1.4	H = 2.0 K = 1.9 D_{iso} = 1.1	15.3	
	2141864-2	A												
	2141864-1	A												

WIRE- CRIMP Draht- Crimp		STANDARD INSULATION CRIMP Standard Isolations-Crimp	SINGLE WIRE CRIMP Einzeldichtungs - Crimp
DESIGN 1 Ausfuehrung 1 5	DESIGN 2-4 Ausfuehrung 2-4 5		
A-A	A-A	B-B	B-B
			

DESIGN WIRE - CRIMP Ausfuehrung Draht - Crimp 5

DESIGN 1 Ausfuehrung 1	DESIGN 2 Ausfuehrung 2	DESIGN 3 Ausfuehrung 3	DESIGN 4 Ausfuehrung 4
			

C12

1 LASER WELDED
Lasergeschweisst

2 REVISION STATUS
Revisionsstand

3 CONTACT AREA TAB MIN. 0.8µm SELECTIV GOLD OVER Ni
Kontaktzone selectiv vergoldet min. 0.8µm ueber Ni

4 CONTACT AREA TAB MIN. 2.0µm SELECTIV SILVER
Kontaktzone selectiv versilbert min. 2.0µm

5 DIFFERENT FORM OF THE SERRATIONS AND WIRE-CRIMP POSSIBLE
unterschiedliche Ausfuehrung der Rillen und des Draht-Crimps moeglich

6 RELEASED WIRE, SEE Freigegebene Leitung, siehe APPLICATION SPEC. TE 114-18464

PRODUCT CHARACTERISTICS ACC. GMP 1.12
BESONDERE MERKMALE NACH GMP 1.12

THIS DRAWING IS A CONTROLLED DOCUMENT.
DIESE ZEICHNUNGSKOPIE IST EIN KONTROLLIERT DOKUMENT.
ÄNDERUNGEN, DIE DEN TECHNISCHEN FORTSCHRITT BETREFFEN, VORBEHALTEN.
DIE GÜLTIGE LETZTAUSGABE KENNZEICHNUNG ERFAHREN SIE AUF ANFRAGE.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
1 PLC ±
2 PLC ± ±0.2mm
3 PLC ± ±
ANGLES ± 1°

MATERIAL SEE TABLE siehe Tabelle
FINISH SEE TABLE siehe Tabelle

TOLERANCING ISO 8015
TOLERIERUNG ISO 8015

DWN R. Meier 10MAR03
CHK U. Muenk 30JUL03
APVD -
PRODUCT SPEC 108-18782
APPLICATION SPEC 114-18464
WEIGHT -

TE Connectivity

NAME
PRODUCT GROUP DRAWING FOR TAB CONTACT 1.2 MM
Produktgruppenzeichnung Flachstecker 1.2mm

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C- 1418754	-

Customer Drawing | SCALE 10:1 | SHEET 1 OF 1 | REV C12

Section 2

Engineering Change Documents

Product Change Notification

Current Date: 01-Oct-2020

TE Connectivity

Product Change Notification: E-19-013005 **PCN Date:** 26-AUG-19

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:
PRODUCT GROUP DRAWING FOR TAB CONTACT 1.2MM Produktgruppenzeichnung Flachstecker 1.2mm

Description of Changes
In order to enable reduce portfolio and production complexity and with aim to improve our shipments and delivery commitments. Please be informed that as part of the MCON optimization program done in 2014 to improve the performance with regards to Slow Motion bending test and LV214/USCAR qualification the following PNs are superseded (Obsoleted and replaced by new Part numbers released and in production since 2011). The only difference in the new PNs is a different crimp serration design, therefore the same application equipment can be used to crimp the terminals. **Other attachments:** E-19-013005

Reason for Changes:	
Discontinuance. Discontinuance - Superseded parts. For detailed information contact matthias.cassel@te.com	
Estimated Dates:	
Last Order Date (Obsolete Parts Only):	**First Date To Ship** (Changed Parts Only):
01-MAR-2020	
Last Ship Date (Obsolete Parts Only):	**Last Date for Mixed Shipments:** (Changed Parts Only):
01-JUN-2020	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
1418758-1	YES					
1418758-2	YES					
1418758-3	YES					
1418760-1	YES					
1418760-2	YES					
1418760-3	YES		"EF8315-000", "AMP-0-1418760-3"			

The documents listed below are being modified. Related parts that are not explicitly listed on this PCN are not being modified or discontinued as per the PCN. The Last Order Date, Last Ship Date, First Date to Ship Changed Parts and last date for Mixed Shipments apply only to parts explicitly listed on this PCN.

Customer Drawing(s) Being Modified:

Drawing Number	Current Revision	New Revision
1418754	C10	

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

Section 9

Dimensional Results

Production Part Approval
Dimension Test Results

ORGANIZATION:	***TE Connectivity Germany GmbH***
SUPPLIER/VENDOR CODE	***329715044***
INSPECTION FACILITY	***Speyer***
PART NUMBER	***5-1418760-3***
PART NAME	***MCON 1.2 LL TAB STC AG***
DESIGN RECORD CHANGE LEVEL:	***C-1418754***
ENGINEERING CHANGE DOCUMENT	***C12***

ITEM	DIMENSION/SPECIFICATION		SPECIFICATION/ LIMITS	TEST DATE	□TY. TESTED	ORGANIZATION MEASUREMENT RESULT (DATA)					OK	NOT OK
1	9,3 □0,2					9,29						
2	5,85 -0,2					5,80						
3	7,5 □0,1					7,41						
4	16,3 □0,2-0,4	L				16,28						
5	3 □0,15	A				3,06						
6	6,1 □0,3	C				6,19						
7	2 □0,2	B				2,00						
8	0,2 □0,15-0,05	M				0,26						
9	0,62 □0,1-0,05					0,63						
10	1,83 □0,05					1,85						
11	2,43 □0,1					2,45						
12	1,83 □0,05					1,81						
13	2,4 □0,1					2,40						
14	1,15 □0,1-0,05					1,16						
15	2 □0,3	E				1,92						
16	2,1 □0,3	G				2,13						
17	2 □0,2	DDr				2,16						
18	2,7 □0,3	H				2,81						
19	2,9 □0,3	K				2,92						
20	1,6 □0,2	Diso				1,61						

Blanked statements of conformance are unacceptable for any test results

SIGNATURE	TITEL	DATE
Michael Duwe	Supv □lty □ Reliability Enç	07.09.2020

Production Part Approval
Material Test Results

ORGANIZATION:	***TE Connectivity Germany GmbH***	PART NUMBER	***5-1418760-3***
SUPPLIER/VENDOR CODE	***329715044***	PART NAME	***MCON 1.2 LL TAB STC AG***
INSPECTION FACILITY	***Speyer***	DESIGN RECORD CHANGE LEVEL:	***C-1418754***
		ENGINEERING CHANGE DOCUMENT:	***C12***

ITEM	DIMENSION/SPECIFICATION	SPECIFICATION/ LIMITS	TEST DATE	□TY. TESTED	ORGANIZATION MEASUREMENT RESULT (DATA)				OK	NOT OK
	Material									
	Body				see Materialcertificate					
	CuNiSi				CuNiSi				x	
	Surface:Tin Plating				Tin Plating				x	
	Spring (TAB)				see Materialcertificate					
	CuSn15				CuSn15				x	
	Surface: Ag plating				Ag plating				x	

Blanked statements of conformance are unacceptable for any test results

SIGNATURE	TITEL	DATE
Michael Duwe	Supv □lty □ Reliability Engineering	07.09.2020

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LOC A1 | DIST -

PROJECT No. EGAUT 02021

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
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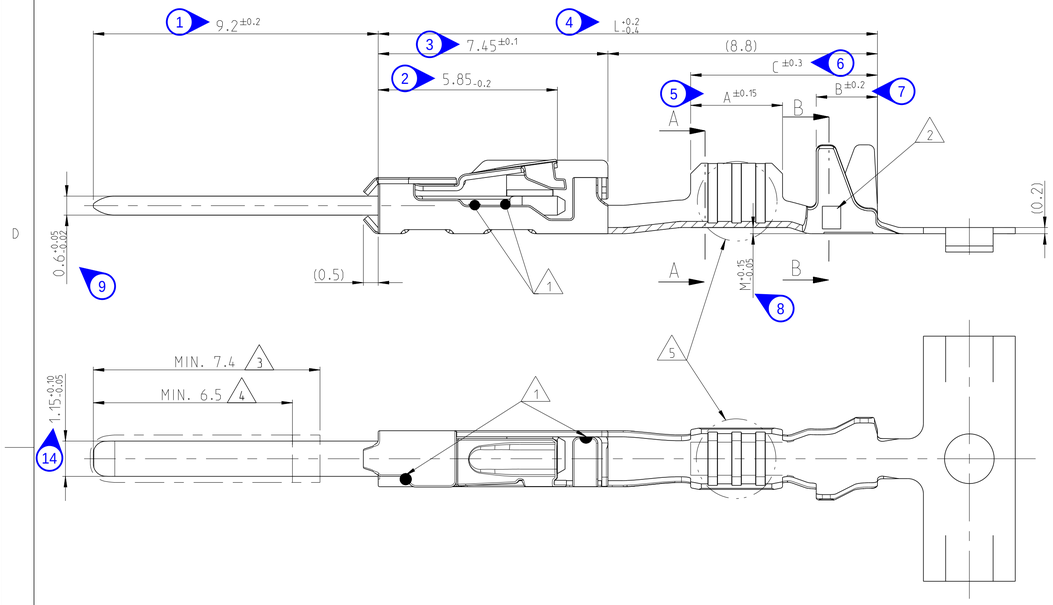

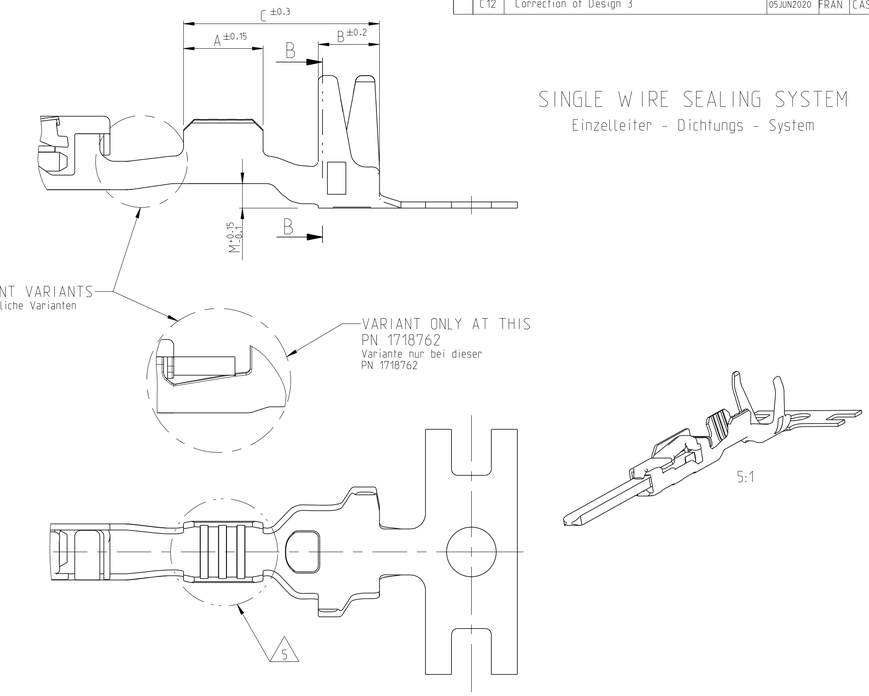

SINGLE WIRE SEALING SYSTEM
Einzelleiter - Dichtungs - System

INSULATION CRIMP FOR Isolationscrimp fuer	ORDER NO. Bestell-Nr. STRIP Bandware	REV	WIRE RANGE Drahtgroessenbereich (mm2)	INSULATION-Ø Isolations-Ø (mm)	MATERIAL BODY Kontaktkoerper	MATERIAL TAB Flachstecker	SURFACE BODY Kontaktkoerper	SURFACE SPRING Kontaktfeder	DESIGN WIRE-CRIMP Ausfuehrung Draht- Crimp 5	LENGTH Laenge	CRIMP DIMENSION WIRE CRIMP Drahtcrimp	CRIMP DIMENSION INSULATION CRIMP Isolations Crimp	DIMENSION "L" Mass "L" [mm]	
SINGLE WIRE SEALING SYSTEM / Einzeldichtungssystem SEE APPLICATION SPECIFICATION / siehe Verarbeitungsspezifikation	1718762-3	B	1.0 - 1.5	1.9- 2.4	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	2	A = 3.0 B = 2.0 C = 6.8	E = 2.6 G = 2.9 D_{Dr} = 1.35	H = 4.4 K = 4.3 D_{iso} = 2.9 M = 0.8	16.8	
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	1718762-1	B												
	1718760-3	A	0.5 - 0.75	1.4 - 1.9	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	2	A = 2.6 B = 2.0 C = 6.4	E = 2.0 G = 2.1 D_{Dr} = 1.1	H = 4.2 K = 4.3 D_{iso} = 2.7 M = 0.8	16.3	
	1718760-2	B												
	1718760-1	A												
	1718758-3	A	0.25 - 0.35	1.1 - 1.75	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	2	A = 2.6 B = 2.0 C = 6.4	E = 1.8 G = 1.8 D_{Dr} = 0.8	H = 4.2 K = 4.3 D_{iso} = 2.6 M = 0.8	16.3	
	1718758-2	B												
	1718758-1	A												
	2141868-3	A	6 0.13 - 0.22	2.6	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	1	A = 2.5 B = 1.9 C = 6.2	E = 1.5 G = 1.4	H = 4.0 K = 4.1 D_{iso} = 2.6 M = 0.6	16.3	
	2141868-2	A												
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FLR CABLE / Leitung SEE APPLICATION SPECIFICATION / siehe Verarbeitungsspezifikation	1418762-3	A	1.0 - 1.5	1.9 - 2.4	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	3	A = 3.0 B = 2.0 C = 6.1	E = 2.6 G = 2.9 D_{Dr} = 1.35	H = 3.7 K = 3.9 D_{iso} = 2.1 M = 0.2	16.3	
	1418762-2	B												
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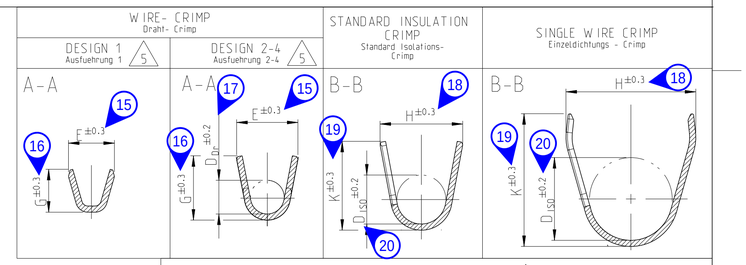
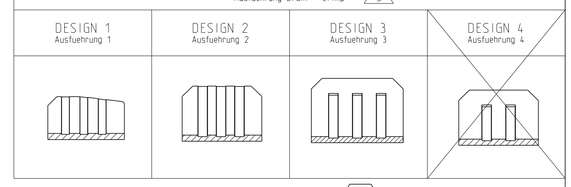
	5-1418760-3	A	0.5 - 0.75	1.4 - 1.9	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	2	A = 3.0 B = 2.0 C = 6.1	E = 2.0 G = 2.1 D_{Dr} = 1.1	H = 2.7 K = 2.9 D_{iso} = 1.6 M = 0.2	16.3	
	5-1418760-2	A												
	5-1418760-1	A												
	1418760-3	B	0.5 - 0.75	1.4 - 1.9	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	3	A = 3.0 B = 2.0 C = 6.1	E = 2.0 G = 2.1 D_{Dr} = 1.1	H = 2.7 K = 2.9 D_{iso} = 1.6 M = 0.2	16.3	Superseded
	1418760-2	C												
	1418760-1	B												
	5-1418758-3	A	0.25 - 0.35	1.1 - 1.75	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	2	A = 2.6 B = 2.0 C = 5.7	E = 1.8 G = 1.8 D_{Dr} = 0.8	H = 2.6 K = 2.6 D_{iso} = 1.4 M = 0.2	16.3	
	5-1418758-2	B												
	5-1418758-1	A												
	1418758-3	A	0.25 - 0.35	1.1 - 1.75	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	4	A = 2.6 B = 2.0 C = 5.7	E = 1.8 G = 1.8 D_{Dr} = 0.8	H = 2.6 K = 2.6 D_{iso} = 1.4 M = 0.2	16.3	Superseded
	1418758-2	B												
	1418758-1	A												
	2141864-3	A	6 0.13 - 0.22	0.85 - 1.2	CuNiSi	CuSn0.15/0.2	TIN PLATED verzinnt	4 3 TIN PLATED verzinnt	1	A = 2.5 B = 1.7 C = 5.4	E = 1.5 G = 1.4	H = 2.0 K = 1.9 D_{iso} = 1.1	15.3	
	2141864-2	A												
	2141864-1	A												



DESIGN WIRE - CRIMP
Ausfuehrung Draht - Crimp 5



C12

1 LASER WELDED
Lasergeschweisst

2 REVISION STATUS
Revisionsstand

3 CONTACT AREA TAB MIN. 0.8µm SELECTIV GOLD OVER Ni
Kontaktzone selectiv vergoldet min. 0.8µm ueber Ni

4 CONTACT AREA TAB MIN. 2.0µm SELECTIV SILVER
Kontaktzone selectiv versilbert min. 2.0µm

5 DIFFERENT FORM OF THE SERRATIONS AND WIRE-CRIMP POSSIBLE
unterschiedliche Ausfuehrung der Rillen und des Draht-Crimps moeglich

6 RELEASED WIRE, SEE APPLICATION SPEC. TE 114-18464
Freigegebene Leitung, siehe

PRODUCT CHARACTERISTICS ACC. QMP 1.12
BESONDERE MERKMALE NACH QMP 1.12

THIS DRAWING IS A CONTROLLED DOCUMENT.
DIESES ZEICHNUNGSDOKUMENT WIRD COMPUTERGESTEUERT. ÄNDERUNGEN DÜRFEN NUR VORGENOMMEN WERDEN, WENN SIE VOM ZUSTÄNDIGEN ZEICHNUNGSVERWALTUNGSSTAND GENEHMIGT SIND.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±
1 PLC ±
2 PLC ± ±0.2mm
3 PLC ±
ANGLES ± 1°

MATERIAL SEE TABLE siehe Tabelle
FINISH SEE TABLE siehe Tabelle

TOLERANCING ISO 8015
TOLERIERUNG ISO 8015

DWN	10MAR03 R. Meier
CHK	30Jul03 U. Muenk
APVD	-
PRODUCT SPEC	108-18782
APPLICATION SPEC	114-18464
WEIGHT	-

TE Connectivity

NAME
PRODUCT GROUP DRAWING FOR TAB CONTACT 1.2 MM
Produktgruppenzeichnung Flachstecker 1.2mm

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C= 1418754	-

Customer Drawing | SCALE 10:1 | SHEET 1 OF 1 | REV C12

Section 10

Material, Performance Test Results

Abnahmeprüfzeugnis EN 10204 3.1

Kunde TE Connectivity Germany GmbH Amperestrasse 12-14 64625 Bensheim		Unsere Auftrags-Nr.	**10294 / 40**	Ausdruck vom	**04.08.2020**
		Unsere Artikel-Nr.	**95-077-21129**	Lieferschein / Pos	**80154610 / 10**
		Ihre Bestell-Nr.	**2550119505**	Liefermenge	**3385 KG**
		Ihre Artikel-Nr.	**7-704492-8 AP**	Gieß-Charge	**1000034513**
		Charge **CN35930** ✓ **CN35948** ✓ **CN35955** ✓		Kundennorm	**TEC-100-1343-E R420** **TEC-100-400-J**
Werkstoff	**KHP®15, CuSn0.15, C14415, CW117C**				
Abmessung	**0,620 x 16,500 mm**				

Chemische Zusammensetzung des Grundwerkstoffes

min.			0,10	0,005		
max.		0,020	0,25	0,020	0,050	0,0200
	Cu %	Pb %	Sn %	P %	Fe %	Ag %
	99,87	**0,001**	**0,11**	**0,007**	**0,004**	**0,0018**

Mechanische Werte

Nr.	Merkmal	Soll-Wert		Ist-Wert	
		min.	max.	min.	max.
1	Säbel - mm /1m		2,0	0,5	0,6
2	Breite - mm	16,45	16,55	16,50	16,51
3	Dicke - mm - SC	0,610	0,630	0,614	0,618
4	Streckgrenze (Rp0,2) - N/mm2	350		422	424
5	Zugfestigkeit (Rm) - N/mm2	420	490	441	442
6	Bruchdehnung (A50) - %	2		6	6
7	Härte (HV) -			128	128
8	Elektrische Leitfähigkeit - m/Ohm mm2	45,0		49,6	49,6
9	Rautiefe Ra - µm		0,20	0,10	0,11
10	Korngröße - µm		30	15	15
11	Kugelverschleißtest -			i.O.	i.O.
12	Biegeprüfung 180°II - R=1,55 b=17			i.O.	i.O.
13	Biegeprüfung 180°_ - R=1,24 b=17			i.O.	i.O.
14	Schneidgrat max. - 0,062 mm			i.O.	i.O.

Bemerkungen

Konformitätserklärung: Hiermit bestätigen wir, dass die gelieferten Erzeugnisse die in der Auftragsbestätigung gennanten Forderungen erfüllen.

Bestätigung spezieller Anforderungen	Directive 2011/65/EU ‚RoHS' Directive 2000/53/EG ‚End-of-Life Vehicles Directive'

geprüft und freigegeben (Datum, Name) **30.07.2020, Michael Weber** (Abnahmebeauftragter)

Dieses Dokument wurde maschinell erstellt und ist ohne Unterschrift gültig.

Gebr. Kemper GmbH + Co. KG
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57462 Olpe
Postfach 15 20
57445 Olpe
USt-IdNr.: DE 126181677

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Fax +49 2761 891-175
info@kemper-olpe.de

www.kemper-olpe.de

Kommanditgesellschaft Sitz Olpe
Handelsregister Siegen, HRA 7213,
persönlich haftende Gesellschafter:
Kemper Verwaltungsgesellschaft mbH,
Sitz Olpe, Handelsregister Siegen, HRB 6762,
Rupprecht Kemper

Geschäftsführer
Rupprecht Kemper, Dr. Michael Rehse,
Christian Küster, Martin Thiel

Vorsitzende des Beirats
Tessa Bertram, geb. Kemper

Bankverbindungen | **BIC** | **IBAN**
Deutsche Bank AG Olpe | DEUTDEDK460 | DE57 4607 0090 0510 0532 00
Commerzbank AG Olpe | DRESDEFF460 | DE68 4608 0010 0376 5192 00
Sparkasse Olpe | WELADED1OPE | DE04 4625 0049 0000 0001 09
HypoVereinsbank Siegen | HYVEDEMM429 | DE70 3702 0090 0364 6546 69
Postbank Köln | PBNKDEFF370 | DE79 3701 0050 0000 6485 00

Bestell 2000 1344 09/10/11, 20/21. 7. 202

wieland

Wieland-Werke AG D-89079 Ulm

Tyco Electronics AMP GmbH
Werk Speyer
Pfnorstr. 1
64293 Darmstadt

Ihre Bestell-Nr.	2550163696
vom	07.04.2020
Ihre Material-Nr.	1-705566-3 REV. B
Unsere Auftrags-Nr.	**20001344 001**
Unsere Lieferschein-Nr.	82754543 010
Liefermenge	4154 KG
Datum	24.06.2020

Abnahmeprüfzeugnis 3.1 nach EN 10204 : 2004

Halbfabrikat:
Band verzinnt

Werkstoff:
Wieland K55 CuNi3Si1Mg

Abmessungen:

Maß A:	0,2 mm	- 0,01	
Maß B:	22 mm	- 0,05	+ 0,05
Maß C:			
Maß D:			

Spezifikation:		Revision/Ausgabedatum:	Normzahl
Mitgeltende Vorsch.:	TEC-100-1086 TM00=R620	Rev. Z	
Mitgeltende Vorsch.:	TEC-112-20-5	Rev. AE	
weitere Vorschriften:	Verp. n. 107-18010 Rev. D		

Bemerkungen:

Ring-Nr.	3653050902	3653050903	3653146502	3653146503	3653189202
Guss-Nr.	R2177.0004	R2177.0003	T2175.0002	T2175.0001	R2176.0002
Auftr-Nr.	36533473	36533473	36533473	36533473	36533473

Chemische Zusammensetzung nach 3.1 EN 10204 : 2004

Die Summe der sonstigen Elemente entspricht der in der chemischen Norm genannten Vorgabe.

Cu Kupfer-Gehalt ***Fe Eisen-Gehalt*** ***Pb Blei-Gehalt***
Mg Magnesium-Gehalt ***Ni Nickel-Gehalt*** ***1B 1B = Nickel + Cobalt***
Zn Zink-Gehalt

Sollwerte:

Prüfmerkmal (in %)	**Cu**	**Fe**	**Pb**	**Mg**	**Ni**	**1B**	**Zn**
Minimum/Richtwert(R)				**0,05**	**2,2**		
Maximum/Richtwert(R)		**0,2**	**0,05**	**0,3**	**4,2**		**1**

Messwerte:*

Gussnummer							
2175	97,153	< 0,2	< 0,05	0,06	2,2	2,2435	0,1

wieland

Tyco Electronics AMP GmbH

Ihre Bestell-Nr.	2550163696
vom	07.04.2020
Ihre Material-Nr.	1-705566-3 REV. B

Unsere Auftrags-Nr.	20001344 001
Unsere Lieferschein-Nr.	82754543 010
Liefermenge	4154 KG
Datum	24.06.2020

Abnahmeprüfzeugnis 3.1 nach EN 10204 : 2004

2175	97,164	< 0,2	< 0,05	0,06	2,3	2,2516	0,1
2176	97,134	< 0,2	< 0,05	0,06	2,2	2,2376	0,1
2176	97,147	< 0,2	< 0,05	0,08	2,2	2,2464	0,1
2177	97,143	< 0,2	< 0,05	0,06	2,3	2,2514	0,1
2177	97,15	< 0,2	< 0,05	0,08	2,3	2,2584	0,1

Mn Mangan-Gehalt ***Si Silizium-Gehalt***

Sollwerte:

Prüfmerkmal (in %)	**Mn**	**Si**
Minimum/Richtwert(R)		**0,25**
Maximum/Richtwert(R)	**0,1**	**1,2**

Messwerte:*

Gussnummer

2175	< 0,1	0,42
2175	< 0,1	0,42
2176	< 0,1	0,42
2176	< 0,1	0,42
2177	< 0,1	0,43
2177	< 0,1	0,44

Mechanische Prüfmerkmale

wieland

Tyco Electronics AMP GmbH

Ihre Bestell-Nr.	2550163696
vom	07.04.2020
Ihre Material-Nr.	1-705566-3 REV. B

Unsere Auftrags-Nr.	20001344 001
Unsere Lieferschein-Nr.	82754543 010
Liefermenge	4154 KG
Datum	24.06.2020

Abnahmeprüfzeugnis 3.1 nach EN 10204 : 2004

RM Zugfestigkeit Rm ***RP0,2 Dehngrenze 0,2 %*** ***A50 Bruchdehnung A50***

Sollwerte:

Prüfmerkmal	RM	RP0,2	A50
Masseinheit	MPa	MPa	%
Minimum/Richtwert(R)	620	450	10
Maximum/Richtwert(R)	760	690	

Messwerte:

Probennummer

R2176_A	697	552	18
R2176_E	695	552	18
R2177.0001_A	694	569	18
R2177.0001_E	698	576	17
T2175_A	692	555	17
T2175_E	693	558	18

Weitere Prüfungen

Prüfmerkmal	Einheit	Soll-Wert bzw. Richtwert(R) Min.	Max.	Messwerte	
elektrische Leitfähigkeit - Resistomat	MS/m	23		27	28
elektrische Leitfähigkeit in IACS	%	40		47	49
Korngröße	µm		30	8	10
Biegbarkeit 90 Grad parallel r/t=0				Ergebnis gut	
Biegbarkeit 90 Grad quer r/t=0,5				Ergebnis gut	
Biegbarkeit 180 Grad parallel r/t=2,0				Ergebnis gut	
Biegbarkeit 180 Grad quer r/t=3,0				Ergebnis gut	
Ra - arithm.Mittenrauhwert	µm		0,3	0,1	0,1
Ra - arithm.Mittenrauhwert Beschichtung	µm		0,35	< 0,35	< 0,35
Schichtdicke, Feuerverzinnung Reinzinn	µm	1	3	1,3	2

wieland

Tyco Electronics AMP GmbH

Ihre Bestell-Nr.	2550163696
vom	07.04.2020
Ihre Material-Nr.	1-705566-3 REV. B

Unsere Auftrags-Nr.	20001344 001
Unsere Lieferschein-Nr.	82754543 010
Liefermenge	4154 KG
Datum	24.06.2020

Abnahmeprüfzeugnis 3.1 nach EN 10204 : 2004

Maßprüfungen

Prüfmerkmal	Einheit	Soll-Wert bzw. Richtwert(R)		Messwerte	
		Min.	Max.		
Breite	mm	21,95	22,05	21,986	21,996
Dicke	mm	0,19	0,2	0,195	0,195
Querwölbung	mm		0,44	0,004	0,009
Säbelförmigkeit auf 1000mm	mm		2	0,02	0,16
Rollkrümmung hängend auf 1000 mm	mm		225	2,9	25,1

Konformitätserklärung

Wir erklären als Hersteller, daß die hier beschriebene Ware den mit dem Käufer vereinbarten Spezifikationen sowie den oben aufgeführten Normen und normativen Vorschriften, der angegebenen Beschreibung, der genannten Menge und den in diesem Zeugnis gemachten Angaben entspricht.

Diese Ware wurde unter einem zertifizierten Qualitätsmanagementsystem nach DIN EN ISO 9001:2015 hergestellt. Unser Qualitätsmanagementsystem wird laufend überwacht (Kiwa ZertifikatsNr. 99440).

Die Prüfergebnisse zur chemischen Analyse, zu den mechanisch-technologischen und physikalischen Prüfverfahren wurden durch ein zertifiziertes und / oder akkreditiertes Prüflabor festgestellt.

Die Lieferung erfolgt bezüglich Cd und Pb konform nach RoHS, ELV und WEEE.
In Bändern und Blechen aus Kupfer und Kupferlegierungen nicht enthalten sind: Cr(VI) und seine Verbindungen CFC, HCFC, PCB, PCN, CP, Mirex, PBB, BDE, PBDE, TBBP - A - bis, organische Zinnverbindungen, Asbest und Azo-Verbindungen, Hg - Analysen an Muster zeigen Werte < 0.0005% (m/m).

*Im Falle mehrerer Zeilen pro Gussnummer enthält die erste Zeile die kleinsten und die zweite Zeile die größten gemessenen Werte der chemischen Zusammensetzung.

i.A. Wolfgang Baur (Abnahmebeauftragter des Herstellers)
Telefon: +49-731-944-3637 Fax: +49-731-944-43637
e-mail: wolfgang.baur@wieland.com
Maschinell erstelltes Abnahmeprüfzeugnis

Section 11

Initial Process Studies

Not Applicable

Section 12

Qualified Laboratory Documentation

CERTIFICATE

This is to certify that

TE Connectivity Germany GmbH

Siemensstraße 13
67346 Speyer
Germany

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.	515112 IATF16
Main certificate registration no.	515099 IATF16
Issuing date	2018-04-18
This certificate is valid until	2021-10-17
Date of revision	2020-07-28
IATF No.	0301145

2-IAO-QMC-01001

For and on behalf of DQS

Markus Bleher
Managing Director, DQS GmbH

Michael Drechsel
Managing Director, DQS Holding GmbH

Annex to certificate registration no.: 515112 IATF16
IATF-No.: 0301145

TE Connectivity Germany GmbH

Siemensstraße 13
67346 Speyer
Germany

2-IAO-QMC-01001

Remote Location	Scope
515109 **TE Connectivity Belgium BVBA** **Siemenslaan 14** **8020 Oostkamp** **Belgium**	Testing
547511 **TE Connectivity Solution GmbH** **Via della Posta, 32** **6934 Bioggio** **Switzerland**	Testing
515114 **TE Connectivity Solutions GmbH** **Amperestr. 3** **9323 Steinach** **Switzerland**	Logistics, Testing
515107 **Tyco Electronics Czech s.r.o.** **KAMP 1293** **664 34 Kurim** **Czech Republic**	Testing
515099 **TE Connectivity Germany GmbH** **Ampèrestr. 12-14** **64625 Bensheim** **Germany**	Continuous improvement; Customer service; Human Resource; Internal audit management; Management review; Policy making; Product design; Process design; Production equipment development; Purchasing; Quality system management; Sales; Supplier management; Testing
546279 **TE Connectivity Germany GmbH** **Siemensstraße 13** **67346 Speyer** **Germany**	Servicing

Annex to certificate registration no.: 515112 IATF16
IATF-No.: 0301145

TE Connectivity Germany GmbH

Siemensstraße 13
67346 Speyer
Germany

2-IAO-QMC-01001

Remote Location	Scope
515116 **TE Connectivity Germany GmbH** **Amperestr. 12-14** **73499 Wört** **Germany**	Process design; Testing; Warehousing
515103 **TE Connectivity Germany GmbH** **Amperestr. 11** **91550 Dinkelsbühl** **Germany**	Process Design, Production Equipment Development, Testing
515108 **TE Connectivity Spain, SLU** **Polígono Industrial Pla d´en Coll c/ Tordera 6** **08110 Montcada i Reixac** **Spain**	Testing
515110 **Tyco Electronics France SAS** **1 rue Ampère** **95300 Pontoise** **France**	Customer service; Product design; Sales; Testing
515104 **Tyco Electronics Hungary Ltd.** **AMP út 2** **2500 Esztergom** **Hungary**	Testing
31600242 **TE Connectivity India Pvt. Ltd.** **RMZ NXT, Campus 1-B, 3rd Floor, Unit 301- 302, EPIP Area, Sonnenahalli Village, White Field Road, Bangalore** **Banglore 560 066, Karnataka** **India**	Product design; Testing

Annex to certificate registration no.: 515112 IATF16
IATF-No.: 0301145

TE Connectivity Germany GmbH

Siemensstraße 13
67346 Speyer
Germany

2-IAO-QMC-01001

Remote Location	Scope
515514 **TE Connectivity Italia Distribution S.r.l.** **Corso Fratelli Cervi 15,** **10093 COLLEGNO TORINO** **Italy**	Customer service; Sales, Testing
515111 **TE Connectivity Italia S.r.l.** **Zona Industriale** **66050 San Salvo (CH)** **Italy**	Testing
525517 **TE Connectivity Morocco SARL** **I Lot 60, Zone Franche Tangier** **90 000 Tangier** **Morocco**	Testing; Warehousing
515105 **Tyco Electronics Components Electromecanicos, Lda** **Estrada de Almeirim, Apartado 55** **7006-801 Évora** **Portugal**	Testing
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

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.:	**5-1418760-3**
Description:	**Tab Contact 1.2x0.6mm**
Report No.:	**-**
Date of Report:	**-**
Purchase Order No.:	**-**
Bill of Delivery No.:	**-**
Preliminary MDS:	**No**
IMDS ID / Version:	**154217360 / 10**
Node ID:	**957032193**
MDS Status (Change Date):	**Internally released (09/09/2020)**

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.:	**5-1418760-3**	Report No.:	**-**
Description:	**Tab Contact 1.2x0.6mm**	IMDS ID / Version:	**154217360 / 10**
		Node ID:	**957032193**

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	Tab Contact 1.2x0.6mm	5-1418760-3	154217360 / 10		0.2423				
├2	Body	0-1418760-3		1	0.1373				
├3	Copper Nickel		73855529 / 5		0.1362			3.2	No
├4	Copper	7440-50-8				94.775		D	
├4	Nickel	7440-02-0				3.2	2.2 - 4.2	D	Not applicable [34]

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	Cobalt	7440-48-4				0.2	0 - 0.4	D	
4	Silicon	7440-21-3				0.725	0.25 - 1.2		
4	Iron	7439-89-6				0.1	0 - 0.2		
4	Magnesium (metal)	7439-95-4				0.175	0.05 - 0.3		
4	Manganese	7439-96-5				0.05	0 - 0.1		
4	Lead	7439-92-1				0.025	0 - 0.05	D / P / SVHC	Concentration within acceptable GADSL limits [44]
4	Zinc (metal)	7440-66-6				0.5	0 - 1		
4	Misc., not to declare	system				0.25	0 - 0.5		
3	Hot-dip Sn-plated		91506360 / 1		0.0011			4.2	No
4	Lead	7439-92-1				0.005	0 - 0.01	D / P / SVHC	Concentration within acceptable GADSL limits [44]
4	Cadmium	7440-43-9				0.0005	0 - 0.001	D / P / SVHC	Concentration within acceptable GADSL limits [47]
4	Tin	7440-31-5				99.8945			
4	Misc., not to declare	system				0.1	0 - 0.2		
2	Tab 1.2mm Insert Tab	1418755-3	12212882 / 14	1	0.105				
3	CuSn0,15		10767190 / 5		0.104			3.2	No
4	Copper	7440-50-8				99.7475		D	
4	Misc., not to declare	system				0.05	0 - 0.1		
4	Phosphorus	7723-14-0				0.0075	0 - 0.015		

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	Iron	7439-89-6				0.01	0 - 0.02		
4	Zinc (metal)	7440-66-6				0.05	0 - 0.1		
4	Nickel	7440-02-0				0.01	0 - 0.02	D	Not applicable [34]
4	Tin	7440-31-5				0.125	0.1 - 0.15		
3	e-plate Ni (bright) (electrodeposited Nickel bright)		749088 / 2		0.0001			3.4	No
4	Carbon	7440-44-0				0.05	0 - 0.1		
4	Nitrogen	7727-37-9				0.05	0 - 0.1		
4	Sulphur	7704-34-9				0.075	0.05 - 0.1		
4	Nickel	7440-02-0				99.825		D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]
3	e-plate Sn (electrodeposited Tin Coatings, bright and matt)		756885 / 6		0.0002			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				0.05	0 - 0.1	D / P / SVHC	Concentration within acceptable GADSL limits [44]
4	Tin	7440-31-5				99.425			
3	e-plate Ag (electrodeposited Silver Coatings)		757767 / 3		0.0007			4.2	No
4	Carbon	7440-44-0				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	Sulphur	7704-34-9				0.05	0 - 0.1		
4	Silver	7440-22-4				99.9		D / P	

This is an uncontrolled copy of a document created by IMDS. End of the report.

Section 18

Part Submission Warrant

TE Connectivity

PPAP North America Team

Part Submission Warrant

EPPAP:

Part Name: MCON 1.2 LL TAB STC AG | Cust. Part Number: 08AH2106

Shown on Drawing Number: C-1418754 | Org.Part Number: 5-1418760-3

Engineering Change Level: C12 | Dated: 05-Jun-2020

Additional Engineering Changes: N/A | Dated: N/A

Safety and/or Government Regulation: ☐ Yes ☑ No | Purchase Order No.: N/A | Weight (kg): 0.00024

Checking Aid Number: Not applicable | Checking Aid Engineering Change Level: N/A | Dated: N/A

ORGANIZATION MANUFACTURING INFORMATION

TE Connectivity / 329715044
Organization Name and Supplier Code

Siemensstraße 13
Street Address

Speyer | 67346 | Germany
City | Region | Postal Code | Country

CUSTOMER SUBMITTAL INFORMATION

Newark Electronics
Customer Name/Division

N/A
Buyer/Buyer Code

Various
Application

MATERIALS REPORTING

Has customer-required Substance of Concern information been reported Submitted by IMDS or other customer format: ☑ Yes ☐ No ☐ NA

154217360 / 10

Are polymeric parts identified with appropriate ISO marking codes: ☐ Yes ☐ No ☑ NA

REASON FOR SUBMISSION (Check at least one)

- ☐ Initial submission
- ☐ Engineering Change(s)
- ☐ Tooling: Transfer, Replacement, Refurbishment, or additional
- ☐ Correction of Discrepancy
- ☐ Tooling Inactive than 1 year
- ☐ Change to Optional Construction or Material
- ☐ Sub-Supplier or Material Source Change
- ☐ Change in Part Processing
- ☐ Parts Produced at Additional Location
- ☑ Other - please specify

E-19-013005

REQUESTED SUBMISSION LEVEL (Check one)

- ☐ Level 1 - warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.
- ☐ Level 2 - warrant with product samples and limited supporting data submitted to customer.
- ☑ Level 3 - warrant with product samples and complete supporting data submitted to customer.
- ☐ Level 4 - warrant and other requirements as defined by customer.
- ☐ Level 5 - warrant with product samples and complete supporting data reviewed at supplier's manufacturing location.

SUBMISSION RESULTS

The results for ☐ dimensional measurement ☐ material and functional tests ☐ appearance criteria ☐ statistical process package

These results meet all design record requirements: ☑ Yes ☐ No (If No - Explanation Required)

Mold / Cavity / Production Process: Stamping

DECLARATION

I affirm that the samples represented by this warrant are representative of our parts, which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements. I further affirm that these samples were produced at the production rate of **Production Rate is TE Proprietary**. I also certify that documented evidence of such compliance is on file and is available for review. I have noted any deviations from this declaration below.

EXPLANATION/COMMENTS

Production Rate is TE Proprietary. E-19-013005.

Is each Customer Tool properly tagged and numbered: ☐ Yes ☐ No ☐ NA

Organization Authorized Signature: *Alejandra Lara A.* Date: 01/10/2020

Print Name: Alejandra Lara | Phone No.: N/A | Fax: N/A

Title: PPAP Technician | Email: alejandra.lara@te.com

FOR CUSTOMER USE ONLY (IF APPLICABLE)

PPAP warrant Disposition : ☐ Approved ☐ Rejected ☑ Other

Customer Signature: _____ Date: _____

Print Name: _____ Customer Tracking Number (optional): _____

Section 18a

Bulk Material Requirements

Not Applicable