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#### PPAP Package for:

Newark Electronics
Customer Part Number: 87H5375
(TE Connectivity Part Number): 1241390-1

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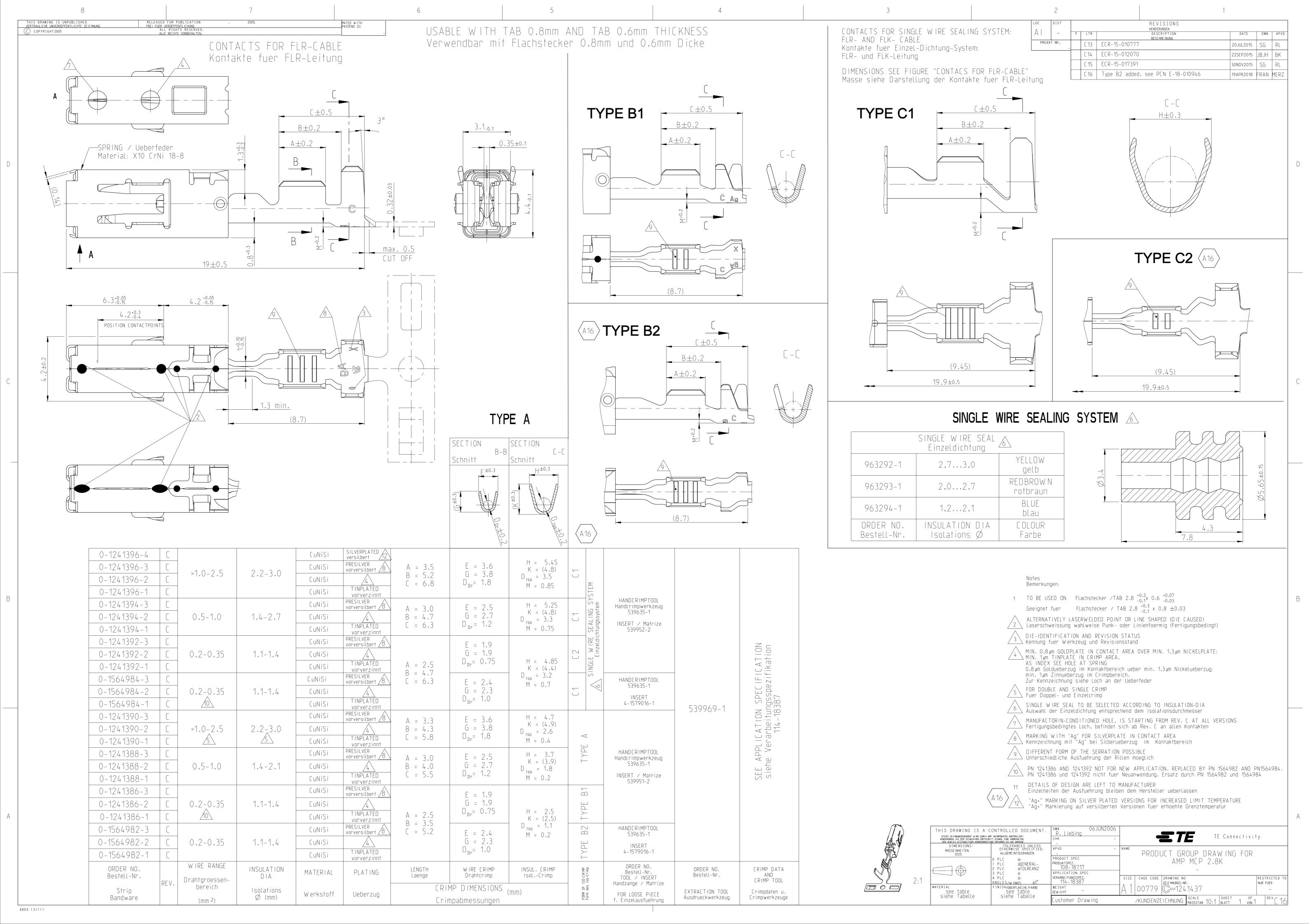
#### **Nondisclosure Agreement**

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





# Section 2 Engineering Change Documents



#### **Product Change Notification**

Current Date: 14-Jun-2021

#### **TE Connectivity**

Product Change Notification: P-21-021000 PCN Date: 07-JUN-21

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:	
AMP MCP 2.8K, CONTACT	

#### **Description of Changes**

Dear Customer, we hereby inform you about tool and/or process transfers within TE Connectivity. As a result of a thorough analysis of our global operations and footprint matching the customer needs in a global supply chain, we are going to reorganize our EMEA manufacturing sites. These reorganizations will support the need of our customers for shorter lead-times and optimized value streams, which are not only generating efficiencies, but also consistency in quality and reducing our CO2 footprint by avoiding unnecessary transportations.

#### Reason for Changes:

The transfer from TE Steinach(CH) to TE Kurim(CZ) follows a strict procedure which fully maintains quality, ability to supply and form-fit-function of concerned products. The receiving manufacturing locations operates under a certified Quality Management System in accordance with standard automotive requirements and respective customer specific requirements. TE Connectivity will and has initiated appointments with our customers to share the details about the upcoming changes and the proposals in terms of notification, validation, release and PPAP scenarios for the different product groups affected. In case any PPAP is required for customer owned tools and / or finished good parts saleable part numbers, we kindly ask you to get in touch with your Sales representative first to achieve a common understanding and agreement on both sides.

Estimated Dates:					
Last Order Date (Obsolete Parts Only):	First Date To Ship (Changed Parts Only):				
	09-AUG-2021				
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
<u>1241386-1</u>	NO					
<u>1241388-1</u>	NO					
<u>1241388-2</u>	NO					
<u>1241390-1</u>	NO					
<u>1241390-2</u>	NO					
<u>1564982-1</u>	NO					
<u>1564982-2</u>	NO	_				
<u>1564982-3</u>	NO	_				



# Section 3 Customer Engineering Approval



### Not Applicable



# 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.



### **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.



### **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.



### **Control Plan**

See Section A for nondisclosure conditions.

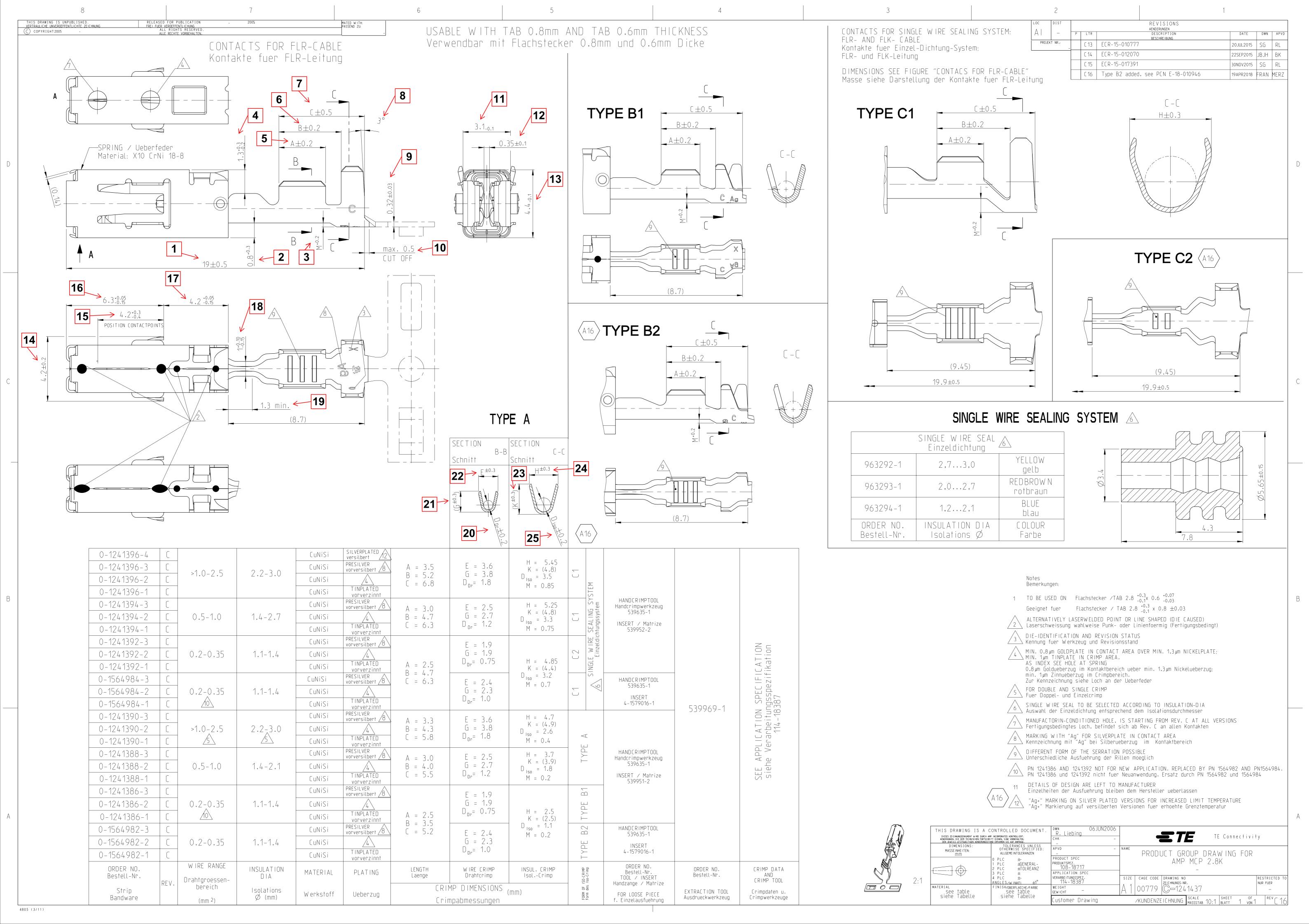
The Control Plan, if included, is a Class II confidential document belonging to TE Connectivity. A class II document may not be further distributed and is subject to the conditions of the nondisclosure agreement.



# Section 8 Measurement System Analysis



# Section 9 Dimensional Results





### Production Part Approval Dimension Test Results

1088/21

ENDOR CODE TUCO				PART NUMB			1000.034.114		
						AMP MCP 2	.8K		
								C-1241437 C16	
DIMENSION / SPECIFICATION	SPECIFICATION/ LIMITS	TEST DATE	QTY. TESTED				NT	ОК	NOT OK
				sample 1					
19,00	±0,5			19,24				х	
0,80	+0,3			0,89				х	
M 0,40	+0,2			0,50				х	
1,30	-0,2/+0,3			1,20				х	
A 3,30	±0,2			3,37				Х	
B 4,30	±0,2			4,26				х	
C 5,80	±0,5			5,78				Х	
3°	±1°			2°37'				Х	
0,32	±0,03			0,32				х	
max. 0,50				unmeası	urable in th	ne strip.		Х	
3,10	-0,1			3,05				х	
0,35	±0,1			0,41				Х	
4,40	-0,1			4,37				х	
4,20	±0,2			4,32				Х	
4,20	-0,4/+0,3			4,35				х	
6,30	-0,15/+0,05			6,32				Х	
4,20	-0,15/+0,05			4,21				х	
1,00	-0,15/+0,1			0,92				х	
min. 1,30				1,38				х	
D <sub>DR</sub> 1,80	±0,2			1,82				х	
G (3,80)	±0,3			3,89				х	
E 3,80	±0,3			3,64				Х	
K (4,90)	±0,3			5,07				х	
H 4,70	±0,3			4,73				х	
D <sub>ISO</sub> 2,60	±0,2			2,64				Х	
	MUTION    DIMENSION / SPECIFICATION     19,00	Kuřím         DIMENSION / SPECIFICATION/ LIMITS         19,00       ±0,5         0,80       +0,3         M 0,40       +0,2         1,30       -0,2/+0,3         A 3,30       ±0,2         B 4,30       ±0,2         C 5,80       ±0,5         3°       ±1°         0,32       ±0,03         max. 0,50       3,10       -0,1         0,35       ±0,1         4,40       -0,1         4,20       ±0,2         4,20       -0,4/+0,3         6,30       -0,15/+0,05         4,20       -0,15/+0,05         1,00       -0,15/+0,05         1,00       -0,15/+0,05         1,00       ±0,2         G (3,80)       ±0,3         E 3,80       ±0,3         K (4,90)       ±0,3         H 4,70       ±0,3         D <sub>ISO</sub> 2,60       ±0,2	Kuřim         SPECIFICATION LIMITS         TEST DATE           19,00         ±0,5	SPECIFICATION   SPECIFICATION   TEST   QTY.	Kuřím         SPECIFICATION LIMITS         TEST DATE TESTED         ORCE TESTED           19,00         ±0,5         19,24           0,80         +0,3         0,89           M 0,40         +0,2         0,50           1,30         -0,2/+0,3         1,20           A 3,30         ±0,2         3,37           B 4,30         ±0,2         4,26           C 5,80         ±0,5         5,78           3°         ±1°         2°37'           0,32         ±0,03         0,32           max. 0,50         unmeast           3,10         -0,1         3,05           0,35         ±0,1         0,41           4,40         -0,1         4,37           4,20         ±0,2         4,32           4,20         -0,4/+0,3         4,35           6,30         -0,15/+0,05         6,32           4,20         -0,15/+0,05         4,21           1,00         -0,15/+0,05         4,21           1,00         -0,15/+0,05         4,21           1,00         +0,15/+0,05         4,21           1,00         +0,15/+0,05         4,21           1,80         ±0,2         1,8	Kuřim         SPECIFICATION PLIMITS         TEST DATE         OTY. ESTED         ORGANIZATION RESULT           19,00         ±0,5         19,24         19,24           0,80         +0,3         0,89         0,89           M 0,40         +0,2         0,50         0,50           1,30         -0,2/+0,3         1,20         0,50           A 3,30         ±0,2         3,37         0,50           B 4,30         ±0,2         4,26         0,50           C 5,80         ±0,5         5,78         0,32           max. 0,50         0,32         0,32         0,32           max. 0,50         0,1         3,05         0,41           4,40         -0,1         0,41         0,41           4,20         ±0,2         4,32         4,33           4,20         ±0,2         4,32         4,32           4,20         ±0,2         4,32         4,32           4,20         ±0,2         4,23         4,24           1,00         -0,15/+0,05         6,32         4,21           1,00         -0,15/+0,05         4,21         1,38           D <sub>R</sub> 1,80         ±0,2         1,82         1,82	DESIGN RECORD CHANGE LEVEL: ENGINEERING CHANGE LEVEL: ENGINEERING CHANGE LEVEL: ENGINEERING CHANGE DOCUMENTS   DIMENSION	PACILITY   CATE   CAT	FACILITY   Collection   SPECIFICATION   SPECIFICATION   DATE   TESTED   DATE   TESTED   TES

Blanked statements of conformance are unacceptable for any test results

SIGNATURE TITLE DATE

Miloslav Peška PPAP Specialist 07.09.2021



# Section 10 Material, Performance Test Results



#### Production Part Approval Material Test Results

Page 1 of 1 Pages

1088/21

SUPPLIER/VENDOR CODE Tyco Electronics Czech s.r.o. /						BER		00.034.114	4	
							AMP MCP 2.8			
INSPECTIO	N FACILITY <b>Kuřim</b>				DESIGN RECORD CHANGE LEVEL: C-12414; ENGINEERING CHANGE DOCUMENT: C16					
						NG CHANGE	DOCUMENT	C1	6	
ITEM	DIMENSION / SPECIFICATION					NT	ОК	NOT OK		
	material									
1	Body									
	Material: CuN	liSi				CuNiSi			х	
	Surface: Tinr	ned				Tinned			х	
2	Spring									
	Material: X10	CrNi18-8			Х	10CrNi18	-8		х	
							<del>                                     </del>			
1	ļ	Rlankoo	l etatam	ents of c	conformance	are unacco	ptable for any	tost result		
		Dialikec	Jack	iento di C	omomance	are unacce	planie iui ally	icoi icouli	J	

<u>SIGNATURE</u>	0.00	<u>TITLE</u>	<u>DATE</u>
Miloslav Peška	PSIN	PPAP Specialist	07.09.2021

1 Body

#### KMD Connectors Stolberg GmbH

den 18.08.2021



#### LAGER SCHENKER DEUTSCHLAND AG

**LUDWIG STRAßE 100** 

74564 CRAILSHEIM Deutschland

#### Seite 1

Anzahl 1 Packstuecke WC430293			G	ewicht netto		1389,00 KG
Ihre Bestellung		2550163245	S H. PROKS			
Kunden-Material-Nummer C70250 0,32 X 24,00 SN13		3-1668000-3	3 Rev A2		Artikel	7803016
070230 0132 X 24100 31410		100-1086 R 112-20-8 RE				
Mechanische Prüfung			Soll		7990	Ist
_		min.	max.		min.	max.
Dicke	mm	0,31	0,33		0,314	0,32
Breite	mm	23,95	24,05		23,99	24,01
Zugfestigkeit	RM N/mm²	620			708	709
Streckgrenze	RP N/mm²	550			580	583
Bruchdehnung	A 50mm    %	14			18,7	19,7
Biegbarkeit	180° r= 0,32mm B	K:			rissfrei	rissfrei
Biegbarkeit	+ 180° r= 0.32mm E	3K :			rissfrei	rissfrei
Leitfähigkeit	m/(Omm²)	23			26,41	26,41
Säbelförmigkeit	mm/ 900		1,6		0,17	0,29
Ausbiegung	mm/ 900		225		9	12
Querwölbung	mm/ 24		0,048		0,001	0,002
Schneidgrat	mm		0,032		0,003	0,009
Oberflächenrauhtiefe Ra	Ra µm		0,35		0,14	0,19
Auflagendicke	Sn13 reinfeuervz, a	usç 0,8	2		1,79	1,95
Korngröße	μm		30		15	15
Drall-Grad	°/ 900		10		1	3
Chemische Zusammen	setzung %		bleifrei			
MG						0.0861
SI						0.4241
ZN						0.0808
NI						2.3313
CU						Rest
Alle Elemente, die nicht expli	zit aufgelistet sind, ent	sprechen in ih	ıren jeweiligen Anteile	en der Spezifi	kation aus Ihr	er o.g. Bestellung.
Werkstoffprüfung Abnahmebeauftragter: Herr F (Dieses Schreiben wurde ma	Fuchs			Telefon Fax Email	:+49 240 :+49 240	02 105-516 02 105-279 s.fuchs@kmdgroup.c

### 2 Spring



#### A subsidiary of SAMSUNG C&T

MANAGEMENT SYSTEMS CERTIFIED ACCORDING TO ISO 9001 & IATF 16949, ISO 14001, ISO 45001 LABORATORY ACCREDITED ACCORDING TO ISO/IEC 17025

INSPECTION CERTIFICATE								
1000616667_5								
(according to DIN EN 10204, type 3.1)								
Manufacturer:	SC Otelinox SA							
Adress:	16, Gaesti Street, Targoviste, 130087, Romania							

#### **IDENTITY**

Product:	CRC/Slit1.4310 HT5 2H 0.14x15.5mm N	ULTICOIL
Customer:	TYCO ELECTRONICS CZECH S.R.O.	
SO No. / Cust PO.	1000408645 / PO 2550184164	
Customer Art No:	705410-4	
Otx Art No:	N13883M CZ	
Spec No:	EN 10088-2 ; TEC-100-309-2 rev U ; ID	086 Version A1
Pallet No.	1000616667_5	
Coil No.	NE25/29-216466/2/B/1 / 13	1
		/
Net Weight [kg]	101	
Heat Treatment	Without	

CHEMICAL ANALISYS(%) Heat No: 28741

CHEMICAL A	MAL19 19(%)	Heat No. 28/41 Wieting Flocess: E					
xxx	С	Mn	Si	P	S	Cr	Ni
Req. (min-max)	0.05-0.15	MAX 2.0	MAX 2.0	MAX 0.045	MAX 0.015	16.00-19.00	6.00-9.50
Measured	0.1100	1.2600	0.8900	0.02600	0.00100	16.8000	6.6000
Element	Mo	Ti	N	Al	Cu	Co	
Req. (min-max)	MAX 0.8	xxx	MAX 0.10	xxx	xxx	xxx	
Measured	0.0900	xxx	0.0740	xxx	xxx	xxx	

#### TEST RESULTS

Test Direction	Longitudinal					
Position/Test No:	T/ 828	В/ 829				
Requirement	Rp02(MPa)	Rm(MPa)	Elong(A80%)	HV1	Ra(um)	Bending Test
min-max	min 1,000	1,350-1,500	, min 13.0	xxx	xxx	
Т	1,164	/ 1,404 V	20.0	/ 430	0.19	Ok
В	1,171	1,410	23.0	432	0.19	Ok

#### GEOMETRY MEASUREMENTS

Requirement	Thick[mm]	Width[mm]	Burr[%/mm]			
Nominal Value	0.140	15.50				
min/max	-0.010/0.007	-0.05/0.05	max 5%			
Min	0.138	15.480	0.0			
Max	0.138	15.490	0.0			

#### **Other Test Results**

PN-International 4-1668000-9/Rev.A PN-Germany 4-1668000-9/Rev.A

Surface and dimensional control, material identity test: OK

Marking: Producer Trade Mark, Material, Heat No., Coil No.

Delivered product is in conformity with order requirements.

IL-CQ-1

Targoviste, 30.08.2021

Work Inspector: CUTA VICTORIA







# Section 11 Initial Process Studies



## Section 12 Qualified Laboratory Documentation



### CERTIFICATE



This is to certify that

#### Tyco Electronics Czech s.r.o.

KAMP 1293 664 34 Kurim Czech Republic

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. 515107 IATF16

Main certificate registration no. 515099 IATF16

Issuing date 2021-05-16

This certificate is valid until 2024-05-15

IATF No. 0399463

2-IAO-QMC-01001

Seculivel

For and on behalf of DQS

Markus Bleher

Managing Director, DQS GmbH

Michael Drechsel

Managing Director, DQS Holding GmbH



Annex to certificate registration no.: 515107 IATF16

IATF-No.: 0399463

#### Tyco Electronics Czech s.r.o.

KAMP 1293 664 34 Kurim Czech Republic



Remote Location Scope

515113

TE Connectivity Solutions GmbH Werk Steinach Amperestr. 3 9323 Steinach Switzerland Logistics

520349

Tyco Electronics Czech s.r.o. HEMS Blanenská 355 664 34 Kurim Czech Republic Purchasing

541261

Tyco Electronics Czech, s. r. o. K AMP 2026/2C 66434 Kurim Czech Republic Production equipment development, Process design

515099

TE Connectivity Germany GmbH Ampèrestr. 12-14 64625 Bensheim Germany

Continuous Improvement, Supplier Management, Quality System Management, Purchasing, Internal Audit Management, Sales, Product Design, Production equipment Development, Testing, Process design, Human Resource, Customer Service, Policy making, Management review.

515116

TE Connectivity Germany GmbH Amperestr. 12-14 73499 Wört Germany

Process Design, Testing, Warehousing



Annex to certificate registration no.: 515107 IATF16

IATF-No.: 0399463

#### Tyco Electronics Czech s.r.o.

**KAMP 1293** 664 34 Kurim Czech Republic



**Remote Location** Scope

515103

**TE Connectivity Germany GmbH** Amperestr. 11 91550 Dinkelsbühl

Process design; Production equipment development; Testing

Germany

515110

**Tyco Electronics France SAS** 1 rue Ampère 95300 Pontoise **France** 

Customer service, Product design, Sales

Testing,

31600242

TE Connectivity India Pvt. Ltd. RMZ NXT, Campus 1-B, 3rd Floor, Unit 301-302, EPIP Area, Sonnenahalli Village, White Field Road, Karnataka 560 066 Bangalore India

Product design; Testing

515514

TE Connectivity Italia Distribution S.r.I. Corso Fratelli Cervi 15 **10093 COLLEGNO TORINO** Italy

Customer service, Sales, Testing

**TE Connectivity Morocco SARL** I Lot 60, Zone Franche Tangier 90 000 Tangier Morocco

Warehousing

**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



# Records of Compliance with Customer-Specific Requirements

IMDS ID / Version: 4971178 / 30 Page: 1/4

Date: 10/20/21 11:41:28 PM User: Casas, Luis

### **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

1.2 Product Identification 1.1 Supplier Data

Name [ID]: **Tyco Electronics GAD** Part/Item No.: 1241390-1

[913]

**DUNS Number:** Description: AMP MCP 2.8K Flat Type

Receptacle

Street/Postal Code: Amperestr. 12-14 Report No.: Nat./ZipCode/City: DE 64625 Bensheim Date of Report:

Supplier Code: Purchase Order No.:

Contact Person: IMDS Team (India) Bill of Delivery No.: **Engineering Services** 

- Phone: No **Preliminary MDS:** - Fax No.:

Multi Sourced: No - E-Mail Address: imds@te.com IMDS ID / Version: 4971178 / 30

Node ID: 962781136

> MDS Status (Change Internally released

> > Date): (10/03/2020)

IMDS ID / Version: 4971178 / 30 Page: 2 / 4

User: Casas, Luis Date: 10/20/21 11:41:28 PM

### 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.: 1241390-1 Report No.: -

Description: AMP MCP 2.8K Flat Type Receptacle IMDS ID / Version: 4971178 / 30
Node ID: 962781136

Description Article Name	Part/Item No. Item-/MatNo.	IMDS ID / Version	Quantity	Weight	Portion	Portion	Classif.	<ul><li>Parts Marking</li><li>Recyclate</li></ul>
Name  Substance name				[a]	[%]	(from - to) 「%1		(Indust./Consumer)
AMP MCP 2.8K Flat Type Receptacle	<b>1241390-1</b>	4971178 / 30		0.5194	[70]	[70]	OVIIO	Application [15]
Body			1	0.385				
Copper Nickel		73855529 / 5		0.3841			3.2	<b>♣</b> No
♠ Copper	<b>4</b> 7440-50-8				94.775		<b>♦</b> D	
	Article Name Name Substance name AMP MCP 2.8K Flat Type Receptacle Body Copper Nickel	Article Name Name Substance name AMP MCP 2.8K Flat Type Receptacle Body Copper Nickel	Article Name Name Name Name Name Name Name Name	Article Name Name Material-No. CAS No. AMP MCP 2.8K Flat Type Receptacle Body Body  Material-No. 73855529 / 5	Article Name  Material-No.  Substance name  AMP MCP 2.8K Flat Type Receptacle  Body  Copper Nickel  Material-No.  1MDS ID / Version  Quantity  Weight  Weight  4971178 / 30  0.5194  73855529 / 5	Article Name       Image: Name       Image: Name       Quantity       Weight       Portion         ♦ Substance name       ♦ CAS No.       [g]       [%]         ♦ AMP MCP 2.8K Flat Type       ♦ 1241390-1       4971178 / 30       0.5194         Receptacle       ₱ Body       1       0.385         ♣ Copper Nickel       73855529 / 5       0.3841	Article Name         Jean Lem-/MatNo.         IMDS ID / Version         Quantity         Weight         Portion (from - to)           Name         Name	Article Name         Image: Name Name         Image: Name Name Name Name Name Name Name Name



IMDS ID / Version: 4971178 / 30 Page: 3 / 4

User: Casas, Luis Date: 10/20/21 11:41:28 PM

Tree Level	Description Article Name Name Substance name	Part/Item No. Item-/MatNo. Material-No. CAS No.	IMDS ID / Version	Quantity	Weight	Portion	Portion (from - to) [%]	Classif.  GADSL, SVHC	☐ Parts Marking     Recyclate     (Indust./Consumer)     Application [ID]
-4	♦ Nickel	◆ 7440-02-0			[9]	3.2	2.2 - 4.2	<b>SVRC</b>	Not applicable [34]
<u> </u>	♠ Cobalt	<b>4</b> 7440-48-4				0.2	0 - 0.4	<b>△</b> D	
-4		<b>4</b> 7440-21-3				0.725	0.25 - 1.2		
-4	<b>♦</b> Iron	<b>4</b> 7439-89-6				0.1	0 - 0.2		
-4	♠ Magnesium (metal)	<b>4</b> 7439-95-4				0.175	0.05 - 0.3	<b>♠</b> D	
-4	♠ Manganese	<b>4</b> 7439-96-5				0.05	0 - 0.1		
-4	♠ Lead	<b>4</b> 7439-92-1				0.025	0 - 0.05	△ D/P/ SVHC	♦ Concentration within acceptable GADSL limits [44]
-4		<b>4</b> 7440-66-6				0.5	0 - 1		
-4	Misc., not to declare	system				0.25	0 - 0.5		
-3	e-plate Sn (electrodeposited Tin Coatings, bright and matt)		756885 / 6		0.0009			<b>%</b> 4.2	<b>♣</b> No
-4	♠ Carbon	<b>4</b> 7440-44-0				0.505	0.01 - 1		
-4	♦ Sulphur	<b>4</b> 7704-34-9				0.02	0 - 0.04		
-4	♠ Lead	<b>4</b> 7439-92-1				0.05	0 - 0.1	△ D/P/ SVHC	♠ Concentration within acceptable GADSL limits [44]
-4	♠ Tin	<b>4</b> 7440-31-5				99.425			
-2	Spring For AMP MCP 2.8K	<i>0</i> -1241385-1	3520662 / 15	1	0.1344				
-3	🖏 X10CrNi18-8		36413360 / 6		0.1344			<b>1.1.2</b>	<b>№</b> No
<b>-</b> 4	♠ Carbon	<b>4</b> 7440-44-0				0.1	0.05 - 0.15		
-4	♠ Chromium	<b>4</b> 7440-47-3				17.5	16 - 19		

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Tree Level	<ul> <li>☑ Description</li> <li>☑ Article Name</li> <li>☑ Name</li> <li>☑ Substance name</li> </ul>		IMDS ID / Version	Quantity	Portion	Portion (from - to) [%]	Classif.  GADSL, SVHC	Parts Marking Recyclate (Indust./Consumer) Application [ID]
-4	Manganese	<b>4</b> 7439-96-5			 1	0 - 2		
-4	♠ Nitrogen	<b>4</b> 7727-37-9			0.05	0 - 0.1		
<b>-</b> 4	♠ Nickel	<b>4</b> 7440-02-0			7.75	6 - 9.5	<b>△</b> D	Other application (Surface not routinely touched or nickel release rate < 0.5μg/cm2/week) [33]
-4	Phosphorus	<b>4</b> 7723-14-0			0.0225	0 - 0.045		
-4	♦ Sulphur	<b>4</b> 7704-34-9			0.0075	0 - 0.015		
-4	♦ Silicon	<b>4</b> 7440-21-3			1	0 - 2		
<b>-</b> 4	♠ Iron	<b>4</b> 7439-89-6			71.67			
-4	Copper	<b>4</b> 7440-50-8			0.5	0 - 1	<b>△</b> D	
-4	Molybdenum	<b>4</b> 7439-98-7			0.4	0 - 0.8		

Legend

Multi Sourced Component





## Section 18 Part Submission Warrant

#### **Part Submission Warrant**

EPPAP:

Shown on Drawing Number Org.Part Number  Engineering Change Level Dated  Additional Engineering Changes Dated  Safety and/or Government Regulation Yes No Purchase Order No. Weight (kg)  Checking Aid Number Checking Aid Engineering Change Level Dated  ORGANIZATION MANUFACTURING INFORMATION  CUSTOMER SUBMITTAL INFORMATION  Organization Name and Supplier Code  Customer Name/Division
Additional Engineering Changes
Safety and/or Government Regulation Yes No Purchase Order No. Weight (kg)  Checking Aid Number Checking Aid Engineering Change Level Dated  ORGANIZATION MANUFACTURING INFORMATION  CUSTOMER SUBMITTAL INFORMATION
Checking Aid NumberChecking Aid Engineering Change LevelDated  ORGANIZATION MANUFACTURING INFORMATION CUSTOMER SUBMITTAL INFORMATION
ORGANIZATION MANUFACTURING INFORMATION CUSTOMER SUBMITTAL INFORMATION
Organization Name and Supplier Code Customer Name/Division
Street Address Buyer/Buyer Code
City Region Postal Code Country Application
MATERIALS REPORTING  Has customer-required Substance of Concern information been reported  Submitted by IMDS or other customer format
Are polymeric parts identified with appropriate ISO marking codes?  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  Yes  No  NA  Reason FOR  Sub-Supplier or Material Source Change  Change in Part Processing  Parts Produced at Additional Location  Other - please specify
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  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
Is each Customer Tool properly tagged and numbered? Yes No NA
Organization Authorized Signature  Luis Casas  Date
Print Name          Phone No         Fax
Title Email
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