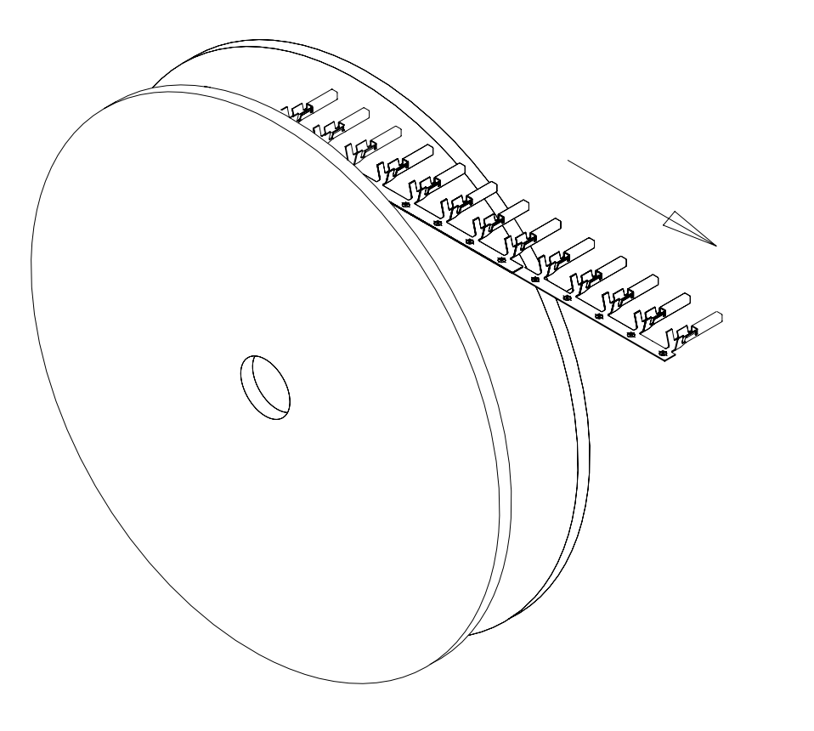
UNWIND DIRECTION OF TERMINALS
ABSPULRICHTUNG DER KONTAKTTEILE



KEY PRODUCT CHARACTERISTICS

SAFETY/COMPLIANCE	FIT/FUNCTION	TOTAL ON DRAWING	0
S/C CHECKPOINTS	F/F CHECKPOINTS	LAST NO. USED	0

NO & TYPE	DESCRIPTION	RATIONALE	PTS	ZONE
- -	- -	- -	-	-

ENGAGE FORCE STECKKRAFT (N)	X_2	X_1	L_{GES}	L_3	L_2	L_1	L_{1B}	L_{1A}	R_2 ± 0.1	R_1 ± 0.1	R_{1B} ± 0.1	R_{1A} ± 0.1	H_2 ± 0.2	H_1 ± 0.2	H_{1B} ± 0.2	H_{1A} ± 0.2	B_2 ± 0.2	B_1 ± 0.2	B_{1B} ± 0.2	B_{1A} ± 0.2	WEIGHT GEWICHT (g)	MATERIALTHICKNESS MATERIALDICKE	SURFACE OBERFLAECHE	MATERIAL WERKSTOFF	CABLE-TYPE LTG.-TYP	CROSS SECTION QUERSCH.	SEAL P/N DICHTUNG	VERSION AUSFUEHR.	POS	SINGLE P/N EINZELTEIL	ASSEMBLY P/N ZUSAMMENBAU	PART-REV	DATE DATUM
2.5 ± 1	0.6	0.2	17	6.8	1.9	3.25	1.5	1.5	1.55	.	0.4	0.4	4.4	.	1.4	1.5	4.2	.	1.35	1.45	0.154	0.2± 0.005	fSn3	CuSn4	FLMRY-A	0.08-0.18	33120594	SEALED	1	13959104	13959117	03	12MR14
																						0.15± 0.005	fSn3	CuNi3Si1Mg	.	.	13887349	.	2	13948562			
2.5 ± 1	0.6	0.2	17	6.8	1.9	3.0	.	.	1.55	0.60	.	.	4.4	1.70	.	.	4.2	1.65	.	.	0.156	0.2± 0.005	fSn3	CuSn4	FLRY	0.22-0.35	15327913	SEALED	1	13959107	13959120	03	12MR14
																						0.15± 0.005	fSn3	CuNi3Si1Mg	.	.	13887349	.	2	13948562			
2.5 ± 1	0.6	0.2	17	6.8	1.9	3.0	.	.	1.55	0.75	.	.	4.4	2.25	.	.	4.2	2.20	.	.	0.161	0.2± 0.005	fSn3	CuSn4	FLRY	0.5-0.75	15327918	SEALED	1	13959113	13959141	04	09MY17
																						0.15± 0.005	fSn3	CuNi3Si1Mg	.	.	13887350	.	2	13948562			
2.5 ± 1	0.6	0.2	17	6.8	1.9	3.0	.	.	1.55	0.90	.	.	4.4	2.75	.	.	4.2	2.50	.	.	0.165	0.2± 0.005	fSn3	CuSn4	FLRY	1.0	15339412	SEALED	1	35555334	35555156	01	07AP21
																						0.15± 0.005	fSn3	CuNi3Si1Mg	.	.	13887350	.	2	13948562			

5AB

ENGAGE FORCE STECKKRAFT (N)	X_2	X_1	L_{GES}	L_3	L_2	L_1	L_{1B}	L_{1A}	R_2 ± 0.1	R_1 ± 0.1	R_{1B} ± 0.1	R_{1A} ± 0.1	H_2 ± 0.2	H_1 ± 0.2	H_{1B} ± 0.2	H_{1A} ± 0.2	B_2 ± 0.2	B_1 ± 0.2	B_{1B} ± 0.2	B_{1A} ± 0.2	WEIGHT GEWICHT (g)	MATERIALTHICKNESS MATERIALDICKE	SURFACE OBERFLAECHE	MATERIAL WERKSTOFF	CABLE-TYPE LTG.-TYP	CROSS SECTION QUERSCH.	SEAL P/N DICHTUNG	VERSION AUSFUEHR.	POS	SINGLE P/N EINZELTEIL	ASSEMBLY P/N ZUSAMMENBAU	PART-REV	DATE DATUM
2.5 ± 1	0.6	0.2	17	6.8	1.9	3.25	1.5	1.5	1.55	.	0.4	0.4	4.4	.	1.4	1.5	4.2	.	1.35	1.45	0.154	0.2± 0.005	fSn3	CuSn4	FLMRY-A	0.08-0.18	33120594	SEALED	1	13959104	13959115	03	12MR14
																						0.15± 0.005	g.Ag	CuNi3Si1Mg	.	.	13887349	.	2	13959102			
2.5 ± 1	0.6	0.2	17	6.8	1.9	3.0	.	.	1.55	0.60	.	.	4.4	1.70	.	.	4.2	1.65	.	.	0.156	0.2± 0.005	fSn3	CuSn4	FLRY	0.22-0.35	15327913	SEALED	1	13959107	13959118	03	12MR14
																						0.15± 0.005	g.Ag	CuNi3Si1Mg	.	.	13887349	.	2	13959102			
2.5 ± 1	0.6	0.2	17	6.8	1.9	3.0	.	.	1.55	0.75	.	.	4.4	2.25	.	.	4.2	2.20	.	.	0.161	0.2± 0.005	fSn3	CuSn4	FLRY	0.5-0.75	15327918	SEALED	1	13959113	13959121	04	09MY17
																						0.15± 0.005	g.Ag	CuNi3Si1Mg	.	.	13887350	.	2	13959102			
2.5 ± 1	0.6	0.2	17	6.8	1.9	3.0	.	.	1.55	0.90	.	.	4.4	2.75	.	.	4.2	2.50	.	.	0.165	0.2± 0.005	fSn3	CuSn4	FLRY	1.0	15339412	SEALED	1	35555334	35555157	01	07AP21
																						0.15± 0.005	g.Ag	CuNi3Si1Mg	.	.	13887350	.	2	13959102			

5AC

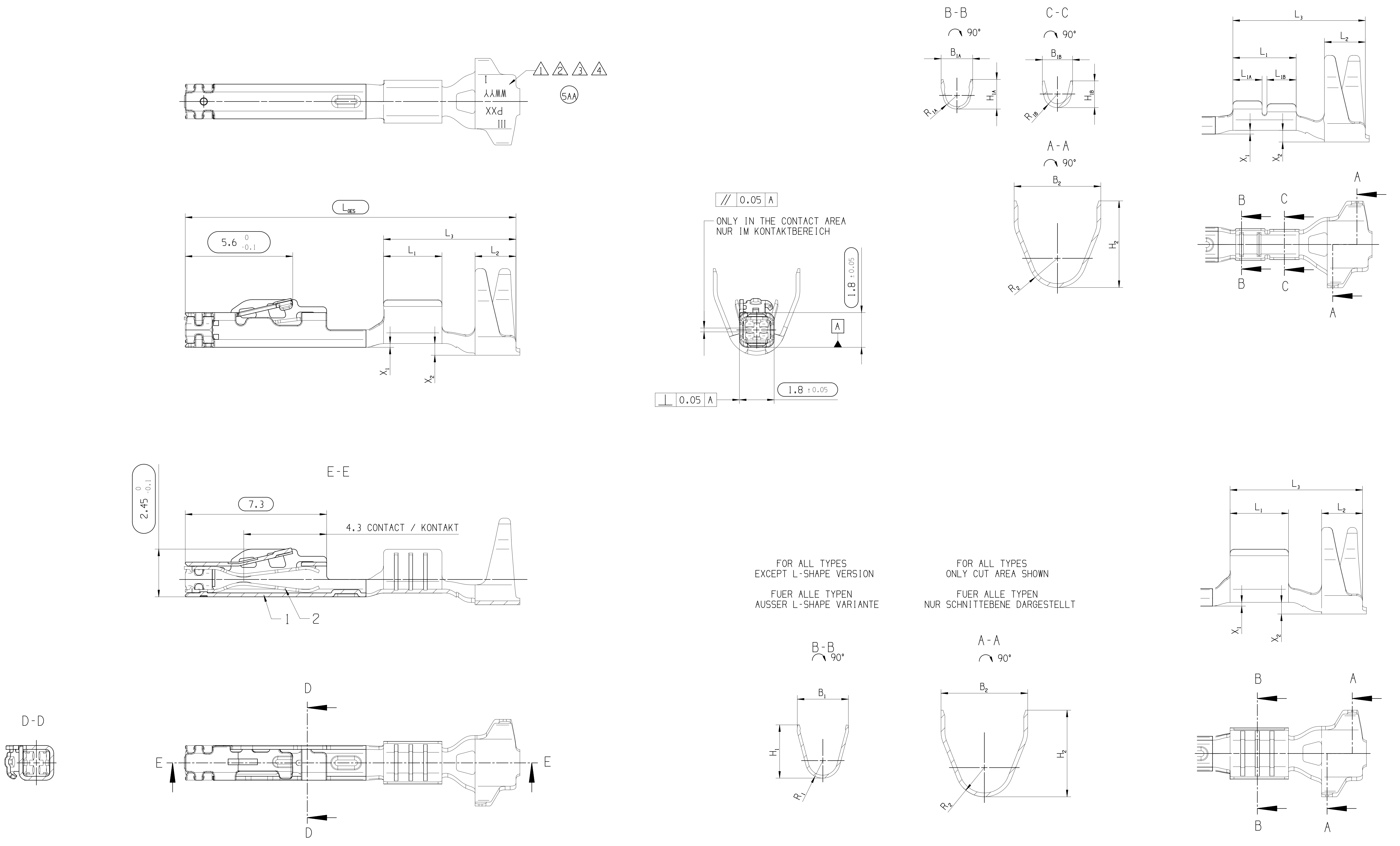
ENGAGE FORCE STECKKRAFT (N)	X_2	X_1	L_{GES}	L_3	L_2	L_1	L_{1B}	L_{1A}	R_2 ± 0.1	R_1 ± 0.1	R_{1B} ± 0.1	R_{1A} ± 0.1	H_2 ± 0.2	H_1 ± 0.2	H_{1B} ± 0.2	H_{1A} ± 0.2	B_2 ± 0.2	B_1 ± 0.2	B_{1B} ± 0.2	B_{1A} ± 0.2	WEIGHT GEWICHT (g)	MATERIALTHICKNESS MATERIALDICKE	SURFACE OBERFLAECHE	MATERIAL WERKSTOFF	CABLE-TYPE LTG.-TYP	CROSS SECTION QUERSCH.	SEAL P/N DICHTUNG	VERSION AUSFUEHR.	POS	SINGLE P/N EINZELTEIL	ASSEMBLY P/N ZUSAMMENBAU	PART-REV	DATE DATUM
3.0 ± 1	0.6	0.2	17	6.8	1.9	3.25	1.5	1.5	1.55	.	0.4	0.4	4.4	.	1.4	1.5	4.2	.	1.35	1.45	0.154	0.2± 0.005	fSn3	CuSn4	FLMRY-A	0.08-0.18	33120594	SEALED	1	13959104	13959116	03	30AU19
																						0.15± 0.005	sel.Au	CuNi3Si1Mg	.	.	13887349	.	2	13959103			
3.0 ± 1	0.6	0.2	17	6.8	1.9	3.0	.	.	1.55	0.60	.	.	4.4	1.70	.	.	4.2	1.65	.	.	0.156	0.2± 0.005	fSn3	CuSn4	FLRY	0.22-0.35	15327913	SEALED	1	13959107	13959119	03	30AU19
																						0.15± 0.005	sel.Au	CuNi3Si1Mg	.	.	13887349	.	2	13959103			
3.0 ± 1	0.6	0.2	17	6.8	1.9	3.0	.	.	1.55	0.75	.	.	4.4	2.25	.	.	4.2	2.20	.	.	0.161	0.2± 0.005	fSn3	CuSn4	FLRY	0.5-0.75	15327918	SEALED	1	13959113	13959145	04	30AU19
																						0.15± 0.005	sel.Au	CuNi3Si1Mg	.	.	13887350	.	2	13959103			
3.0 ± 1	0.6	0.2	17	6.8	1.9	3.0	.	.	1.55	0.90	.	.	4.4	2.75	.	.	4.2	2.50	.	.	0.165	0.2± 0.005	fSn3	CuSn4	FLRY	1.0	15339412	SEALED	1	35555334	35555160	01	07AP21
																						0.15± 0.005	sel.Au	CuNi3Si1Mg	.	.	13887350	.	2	13959103			

⑥ ⑥ 5AB 5AC ⑥ 5AD 5AC

DWG STATUS										
DATE	STG	REV	N/P	CHG	ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
10AP13	R	01		--		INITIAL RELEASE / SERIENFREIGABE		M.PHI	R.GUT	SYS
12MR14	R	02		--	M5 E14 E5	CROSS-SECTION 1.0MM² WAS/WAR 1.0-1.5MM² DIM/MASS 2.45-0.1 WAS/WAR 2.4-0.1 NOTE/BEMERKUNG 1 MODIFIED/GEAENDERT NOTE/BEMERKUNG 4 ADDED/HINZU				
		03		--	L4	PARTNO./NR. 13959115;...118;...121;...139 AVAILABLE/VERFUEGBAR		M.PHI	R.GUT	SYS
14JL16	R	04		--		WAVE PROFILE FOR PN 13948568/13959139 CANCELED WELLENPROFIL FUER PN 13948568 13959139 ENTF.				
	R	04	AA		L7	g.Ag WAS/WAR sel.Ag		M.PHI	R.GUT	SYS
09MY17	R	05			L8/9 K8/9	DIM. CHANGED / MASSE GEAENDERT: H_1=2.25mm WAS 2.05mm / H_1=3.05mm WAS 2.90mm B_1=2.20mm WAS 2.05mm / B_1=2.80mm WAS 2.50mm		PHIL	R.GUT	SYS
01AU17	R	05	AA		H11	TERMINAL MARKING ADJUSTED ON DRAWING TERMINAL MARKIERUNG AUF ZEICHNUNG ANGEPASST		PHIL	R.GUT	SYS
28MY18	R	05	AB		L12 M5-K5 E5	ENGAGE FORCE 2.5±1 N WAS 2.0±1 N STECKKRAFT 2.5±1 N WAR 2.0±1 N SEAL DPN 33120594 WAS/WAR PE227753 ADDED PROCESS SPEC. NO.		PHIL	R.GUT	SYS
30AU19	R	05	AC		J5 K12 J3 E5	SEAL APN 13887349/13887350 ADDED/HINZU ENGAGE FORCE ADDED / STECKKRAFT HINZU REV. AND DATE ADDED /REV. UND DATUM HINZU PROCESS SPEC. ADDED / HINZU		PHIL	R.GUT	SYS
28FE20	R	05	AD		J4	APN SET ACTIVE / APN VERFUEGBAR: 13959116 / 13959119 / 13959145 / 13959134		PHIL	M.POR	SYS
07AP21	R	06			J4 J8/9	APN 35555156 WAS/WAR 13948568 APN 35555157 WAS/WAR 13959139 APN 35555160 WAS/WAR 13959134 H_1=2.75mm WAS/WAR H_1=3.05mm B_1=2.5mm WAS/WAR B_1=2.80mm		PHIL	M.POR	SYS

BASIC APPLICATION / STANDARD VARIANTE

L-SHAPE VERSION ONLY FOR PART-NO.:
L-SHAPE VARIANTE NUR FUER PART-NR.:
13959115; 13959116; 13959117



NOTES / BEMERKUNGEN

- BURRS ACC. DIN 9830-F
  SCHNITTGRAT NACH DIN 9830-F
- CRIMP MANUFACTURING PARAMETER AND TOOLING ACCORDING TO APTIV-SPECIFICATION

  CRIMPVERARBEITUNGSPARAMETER UND WERKZEUGE GEMAESS APTPV-SPEZIFIKATION
- ENGAGE FORCE: SEE CHART
  CHECKED WITH GOUGE NO.: APN 15527317

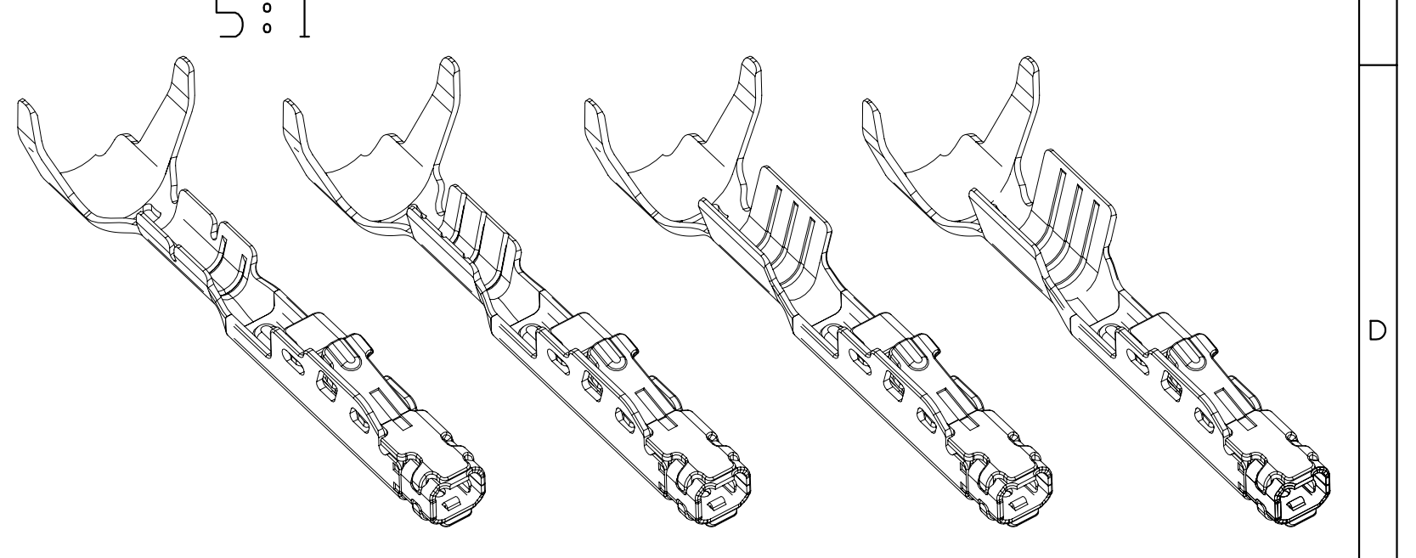
  STECKKRAFT: SIEHE TABELLE
  GEMESSEN MIT PRUEFSTIFT NR.: APN 15527317
- 5AB PRODUCT SPEC. NO. 13948569-CUS74-S01
- 5AC PROCESS SPEC. NO. 13948569-CUS75-S01

1. INDEX FOR SURFACE INLAY: Sn=I / Ag=II / Au=III
   KENNZEICHNUNG OBERFLAECHE DER INNENFEDER: Sn=I / Ag=II / Au=III
2. PXX-INDEX ACC. ESCD0020
   PXX-ZEICHEN NACH ESCD0020
3. REVISION STATUS OUTSIDE OF ISOCRIMP
   REVISIONSSTAND IM AUSSENBEREICH ISOCRIMP
4. DATECODE: WWYY
   DATUMSCODE: WWJJ

TERMINALS ARE APPLICABLE IN COMBINATION WITH
KONTAKTTEILE SIND EINSETZBAR IN KOMBINATION MIT

- CAVITY DRAWING:
  KAMMERZEICHNUNGEN:
  DELPHI CAVITY: ESD 20702
- STANDARD TAB: 1,2 X 0,6mm
  NORMSTIFT: 1,2 X 0,6mm
  DELPHI ESD 20070/ REV: 01/AD

SCALE/MASSSTAB
5:1



SURVEY INSTRUCTION	PRUEFANWEISUNG
MARKED CHARACTERISTICS HAVE TO BE CHECKED AS SPECIFIED	MARKIERTE MERKMALE SIND WIE FESTGELEGT ZU PRUEFEN
- DIMENSIONS TO CHECK	- PRUEFMASSE
- FEATURES TO CHECK	- PRUEFMERKMALE

A LINE DRAWN THROUGH A PART NUMBER INDICATES THAT PHYSICAL PARTS ARE NOT AVAILABLE FOR ORDERING.

PART NUMBERS THAT DO NOT HAVE A LINE PRESENT INDICATE THAT PHYSICAL PARTS ARE AVAILABLE FOR ORDERING.

CONTACT APTIV SALES TO ASSURE AVAILABILITY OF PARTS.

MIT EINER LINIE DURCHGESTRICHENE PART-NR. GEKENNZEICHNET, DASS DIESE PART-NR. NICHT BESTELLT WERDEN KANN.

PART-NR. DIE KEINE LINIE ZEIGEN, KENNZEICHNEN, DAS TEILE ZUR BESTELLUNG VERFUEGBAR SIND.

FUER VERFUEGBARKEIT DER PARTS DEN EINKAUF VON APTIV KONTAKTIEREN.

	DIMENSIONAL RANGE (MM)		CHART D
DIM TO CHECK PRUEFMASSE	FROM TO	0 12	>12
( ) DIM FOR HELP HILFSMASSE	TOLERANCE UNLESS OTHERWISE SPECIFIED		
THEORETIC DIM THEORE. MASSE		±0.1	±0.2
	ANGULAR TOLERANCE ±2°		

DWG TYP
PART DRAWING
WEIGHT (GR)
SEE CHART
VOLUME (CM³)
SEE CHART
ROUTING
DISTR CODE
D

UNLESS OTHERWISE SPECIFIED

GENERAL TOLERANCES ACCORDING TO:
SEE CHART
SIEHE TABELLE

GD&T ACCORDING TO:
ISO 1011

REFERENCE

FIRST ANGLE PROJECTION

DO NOT SCALE
USE MATH DATA
CAD NX

•APTIV•
CONNECTION SYSTEMS
D-42119 WUPPERTAL

		DATE
DR	M.PANAHI	09AP13
APVD1	R.GUTENSCHWAGER	10AP13
APVD2	SYS	10AP13
APVD3		
APVD4		
APVD5		

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER APTIV 10949001
POTENTIELL GEFAEHRLICHE STOFFE UND REZYKLATANTEIL GEMAESS DELPHI 10949001

MATERIAL
SEE CHART / SIEHE TABELLE

DRAWING NAME
COMPACT TERMINAL SYSTEM 1.2
ASSEMBLY, FEMALE, SEALED

CTS-KONTAKT 1.2
ZUSAMMENBAU, FLACHSTECKHUELSE
GEDICHTET

DRAWING NUMBER
13948569

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A0	10:1	1 OF 1	1 OF 1	R	06	

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