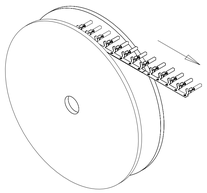
UNWIND DIRECTION OF TERMINALS
ABSPULRICHTUNG DER KONTAKTTEILE



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_{MS}	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)	MATERIAL THICKNESS 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	ſSn3	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	ſSn3	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	ſSn3	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	ſSn3	CuSn4	FLRY	1.0	15339412	SEALED	1	35555334	35555157	01	07AP21
																						0.15± 0.005	g.Ag	CuNi3Si1Mg	.	.	13887350	.	2	13959102			

(6) (6) (5AB) (5AC) (6) (5AD) (5AC)

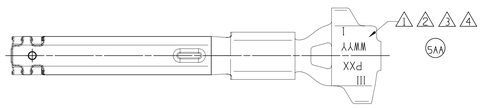
(5AB)

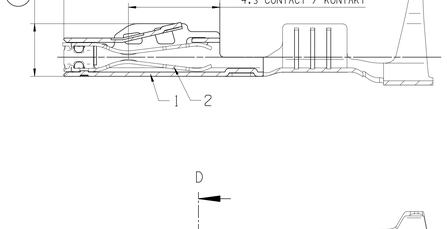
ENGAGE FORCE STECKKRAFT (N)	X_2	X_1	L_{MS}	L_3	L_2	L_1	L_{1B}	L_{1A}	R_2 ±0.1	R_1 ±0.1	R_{1B} ±0.1	R_{1A} ±0.1	H_2 ±0.2	H_1 ±0.2	H_{1B} ±0.2	H_{1A} ±0.2	B_2 ±0.2	B_1 ±0.2	B_{1B} ±0.2	B_{1A} ±0.2	WEIGHT GEWICHT (g)	MATERIAL THICKNESS MATERIALDICKE	SURFACE OBERFLAECHE	MATERIAL WERKSTOFF	CABLE-TYPE LTG.-TYP	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	ſSn3	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	ſSn3	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	ſSn3	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	ſSn3	CuSn4	FLRY	1.0	15339412	SEALED	1	35555334	35555157	01	07AP21
																						0.15± 0.005	g.Ag	CuNi3Si1Mg	.	.	13887350	.	2	13959102			

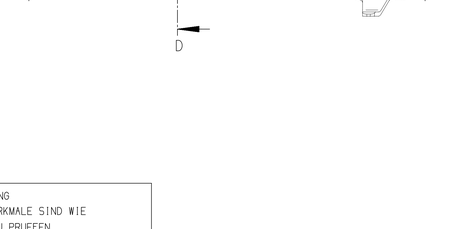
(5AC)

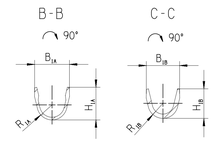
ENGAGE FORCE STECKKRAFT (N)	X_2	X_1	L_{MS}	L_3	L_2	L_1	L_{1B}	L_{1A}	R_2 ±0.1	R_1 ±0.1	R_{1B} ±0.1	R_{1A} ±0.1	H_2 ±0.2	H_1 ±0.2	H_{1B} ±0.2	H_{1A} ±0.2	B_2 ±0.2	B_1 ±0.2	B_{1B} ±0.2	B_{1A} ±0.2	WEIGHT GEWICHT (g)	MATERIAL THICKNESS MATERIALDICKE	SURFACE OBERFLAECHE	MATERIAL WERKSTOFF	CABLE-TYPE LTG.-TYP	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	ſSn3	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	ſSn3	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	ſSn3	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	ſSn3	CuSn4	FLRY	1.0	15339412	SEALED	1	35555334	35555160	01	07AP21
																						0.15± 0.005	sel.Au	CuNi3Si1Mg	.	.	13887350	.	2	13959103			

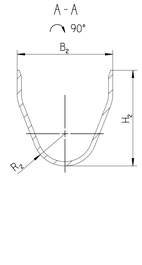
BASIC APPLICATION / STANDARD VARIANTE

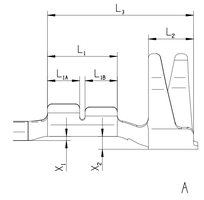


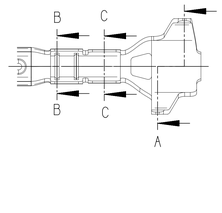








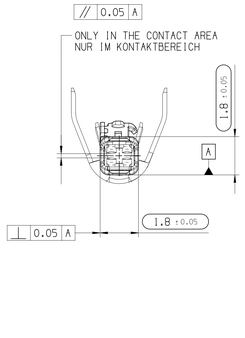




L-SHAPE VERSION ONLY FOR PART-NO.:
L-SHAPE VARIANTE NUR FUER PART-NR.:
13959115; 13959116; 13959117

// 0.05 A

ONLY IN THE CONTACT AREA
NUR IM KONTAKTBEREICH

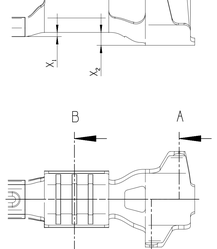


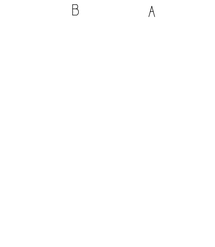
FOR ALL TYPES
EXCEPT L-SHAPE VERSION

FUER ALLE TYPEN
AUSSER L-SHAPE VARIANTE

FOR ALL TYPES
ONLY CUT AREA SHOWN

FUER ALLE TYPEN
NUR SCHNITTEBENE DARGESTELLT





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 APTIV-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

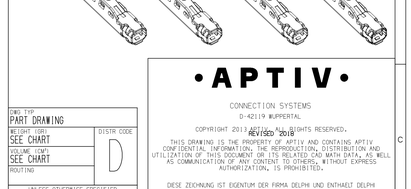
3 REVISION STATUS OUTSIDE OF ISOCRIMP
REVISIONSSTAND IM AUSSENBEREICH ISOCRIMP

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



DWG STATUS DATE	STS	REV	N/P	CHG
10AP13	R	01		--
12MR14	R	02		--
		03		--
14JL16	R	04		--
	R	04	AA	
09MY17	R	05		
01AU17	R	05	AA	
28MY18	R	05	AB	
30AU19	R	05	AC	
28FE20	R	05	AD	
07AP21	R	06		

ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
	INITIAL RELEASE / SERIENFREIGABE		M.PHI	R.GUT	SYS
M5 E14 E5	CROSS-SECTION 1.0MM² MKS/MAR 1.0-1.5MM² DIM/MASS 2.45-0.1 MKS/MAR 2.4-0.1 NOTE/BEMERKUNG 1 MODIFIED/GEAENDERT NOTE/BEMERKUNG 4 ADDED/HINZU				
L4	PARTNO./NR. 13959115:...118:...121:...139 AVAILABLE/VERFUEGBAR		M.PHI	R.GUT	SYS
	WAVE PROFILE FOR PN 13948568/13959139 CANCELED WELLENPROFIL FUER PN 13948568 13959139 ENTF.				
L7	g.Ag MKS/MAR sel.Ag		M.PHI	R.GUT	SYS
L8/9 K8/9	DIM. CHANGED / MASSE GEAENDERT: H1-2.25mm MKS 2.05mm / H1-3.05mm MKS 2.90mm B1-2.25mm MKS 2.05mm / B1-2.85mm MKS 2.55mm		PHIL	R.GUT	SYS
H11	TERMINAL MARKING ADJUSTED ON DRAWING TERMINAL MARKIERUNG AUF ZEICHNUNG ANGEPASST		PHIL	R.GUT	SYS
L12 M5-K5 E5	ENGAGE FORCE 2.5±1 N MKS 2.0±1 N STECKKRAFT 2.5±1 N MKS 2.0±1 N SEAL P/N 33120594 MKS/MAR PE227753 ADDED PROCESS SPEC. NO.		PHIL	R.GUT	SYS
J5 K12 J3 E5	SEAL APN 13887349/13887350 ADDED/HINZU ENGAGE FORCE ADDED / STECKKRAFT HINZU REV., IND DATE ADDED /REV., IND DATUM HINZU PROCESS SPEC. ADDED / HINZU		PHIL	R.GUT	SYS
J4	APN SET ACTIVE / APN VERFUEGBAR: 13959116 / 13959119 / 13959145 / 13959134		PHIL	W.POR	SYS
J4 J8/9	APN 35555156 MKS/MAR 13948568 APN 35555157 MKS/MAR 13959139 APN 35555160 MKS/MAR 13959134 H1-2.75mm MKS/MAR H1-3.05mm B1-2.5mm MKS/MAR B1-2.80mm		PHIL	W.POR	SYS

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

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, DASS TEILE ZUR BESTELLUNG VERFUEGBAR SIND

FUER VERFUEGBARKEIT DER PARTS DEN EINKAUF VON APTIV KONTAKTIEREN

	DIMENSIONAL RANGE (MM)	CHART D
DIM TO CHECK PRUEFMASSE	FROM	0 / >12
( ) DIM FOR HELP HILFSMASSE	TO	12
THEORETIC DIM THEORET. MASSE	TOLERANCE UNLESS OTHERWISE SPECIFIED	±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

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

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER APTIV 1094001
POTENTIELL GEFAEHRLICHE STOFFE UND RECYKLATANTEIL GEMAESS DELPHI 1094001

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	STS	REV	N/P
A0	10:1	1 OF 1	1 OF 1	R	06	

ARCHIVE = 140017

Template = A0_ENG_TEMPLATE.DRW
User = PANAHI
File = 13948569-CUS01-S01.DRW
Date = 22-Jun-21
Time = 13:32:06