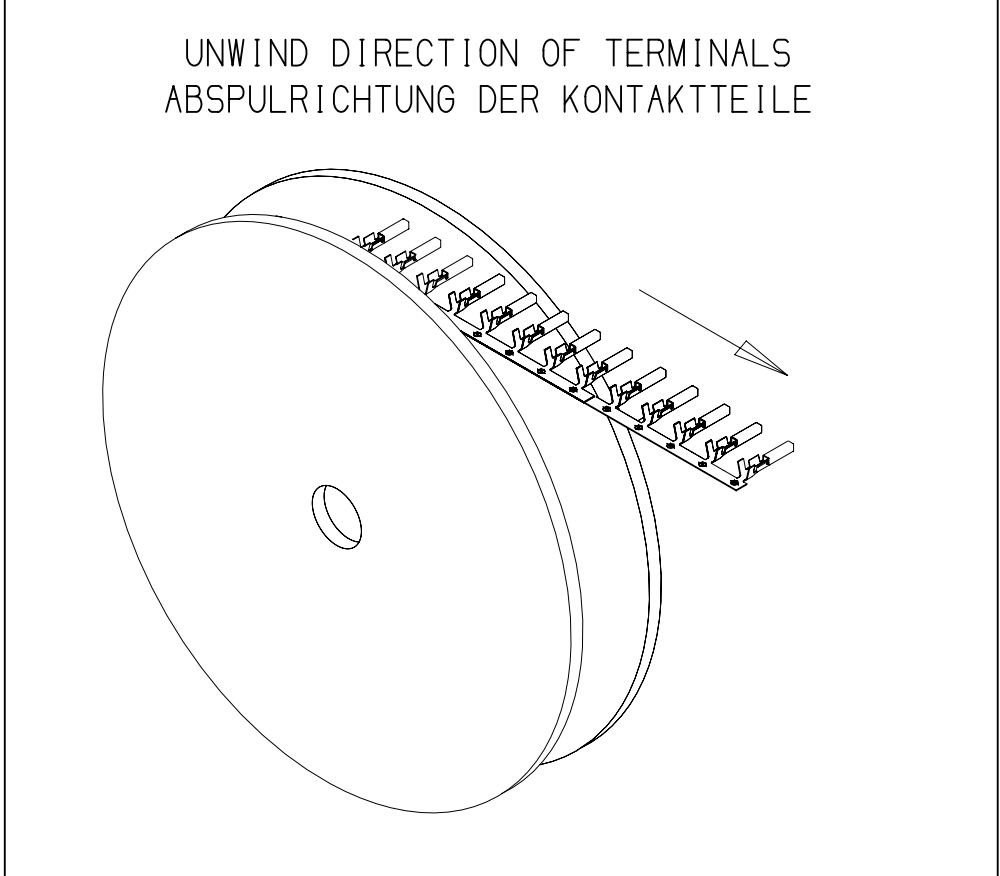




KEY PRODUCT CHARACTERISTICS					
SAFETY/COMPLIANCE		FIT/FUNCTION		TOTAL ON DRAWING	0
S/C CHECKPOINTS		F/F CHECKPOINTS		LAST NO. USED	0
NO. & TYPE	DESCRIPTION	RATIONALE	PTS	ZONE	
-	-	-	-	-	-

ENGAGE FORCE STECKKRAFT (N)	X ₂	X ₁	L _{MS}	L ₁	L ₂	L ₁	L _M	L _{1A}	R ₂ ± 0.1	R ₁ ± 0.1	R _M ± 0.1	R _M ± 0.1	H ₂ ± 0.2	H ₁ ± 0.2	H _B ± 0.2	H _A ± 0.2	B ₂ ± 0.2	B ₁ ± 0.2	B _B ± 0.2	B _M ± 0.2	WEIGHT GEWICHT (g)	
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
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	
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	
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	

ENGAGE FORCE STECKKRAFT (N)	X ₂	X ₁	L _{MS}	L ₁	L ₂	L ₁	L _M	L _M	R ₂ ± 0,1	R ₁ ± 0,1	R _M ± 0,1	R _M ± 0,1	H ₂ ± 0,2	H ₁ ± 0,2	H _M ± 0,2	H _A ± 0,2	B ₂ ± 0,2	B ₁ ± 0,2	B _M ± 0,2	B _M ± 0,2
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
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	.	.
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	.	.
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	.	.

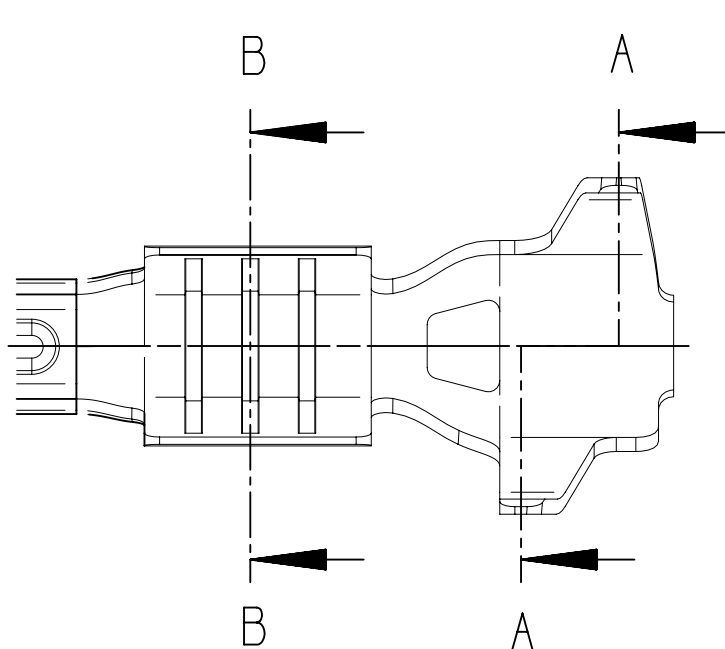
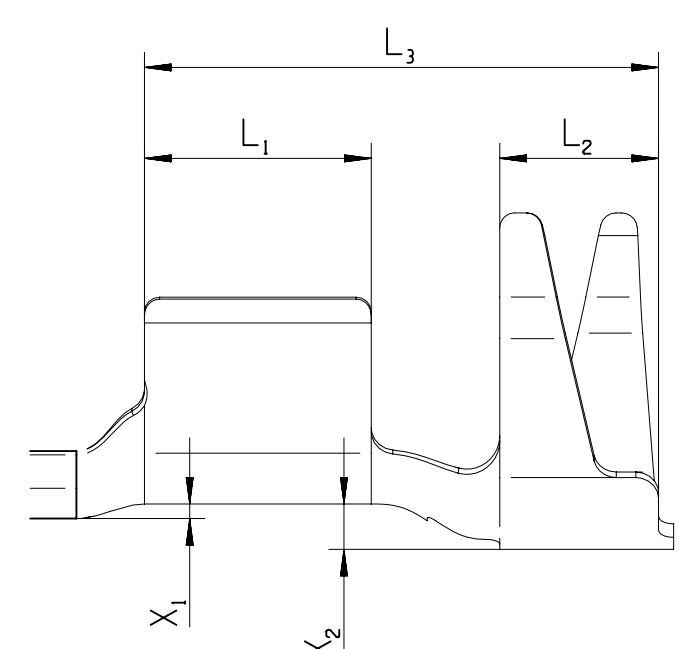
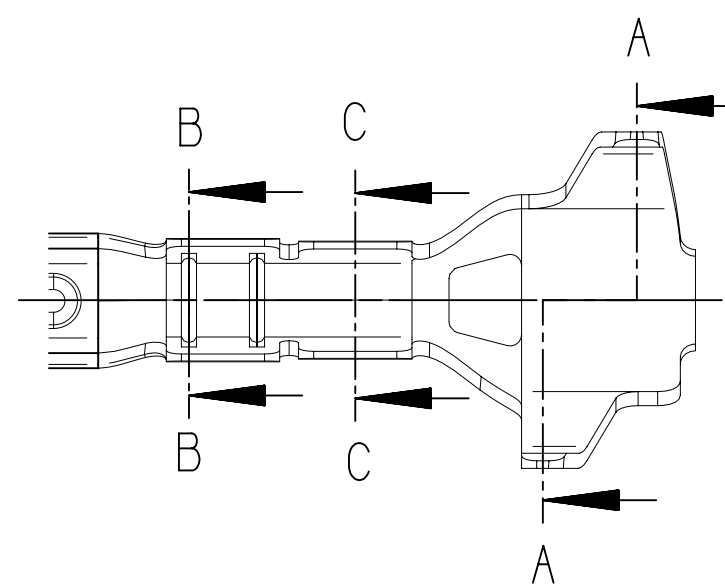
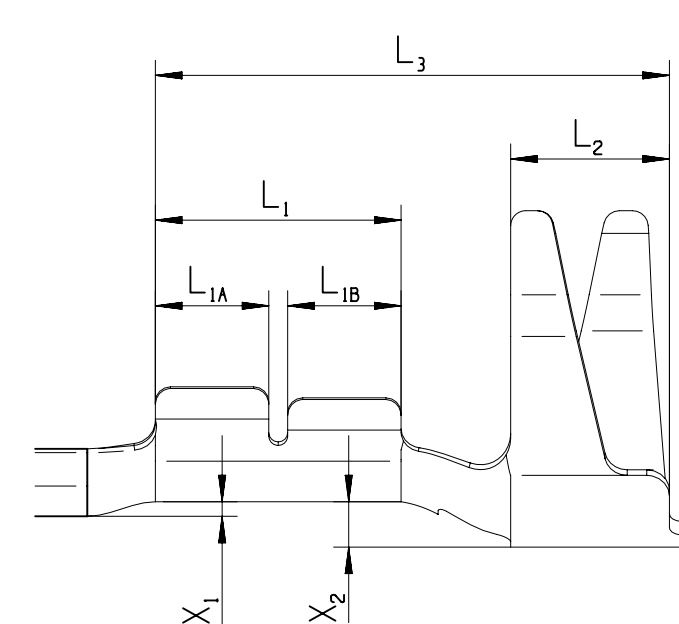
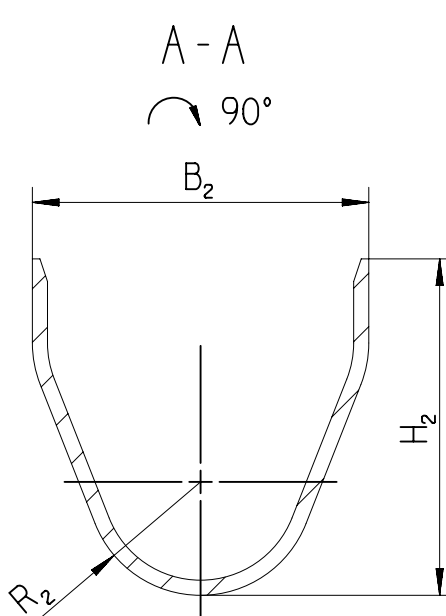
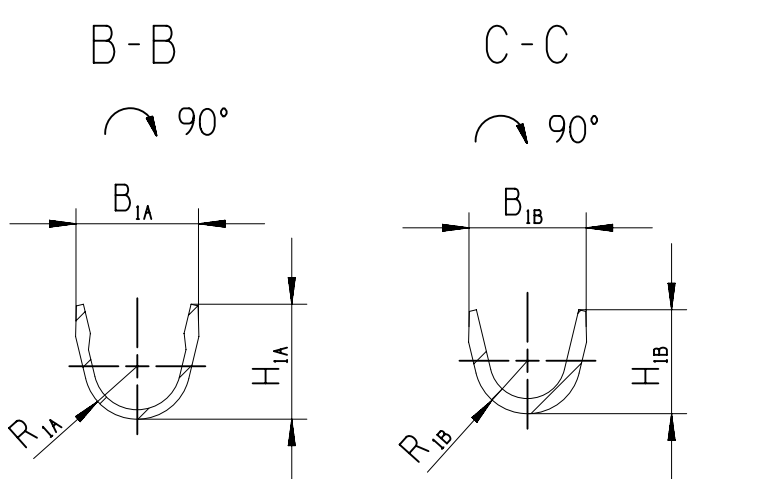
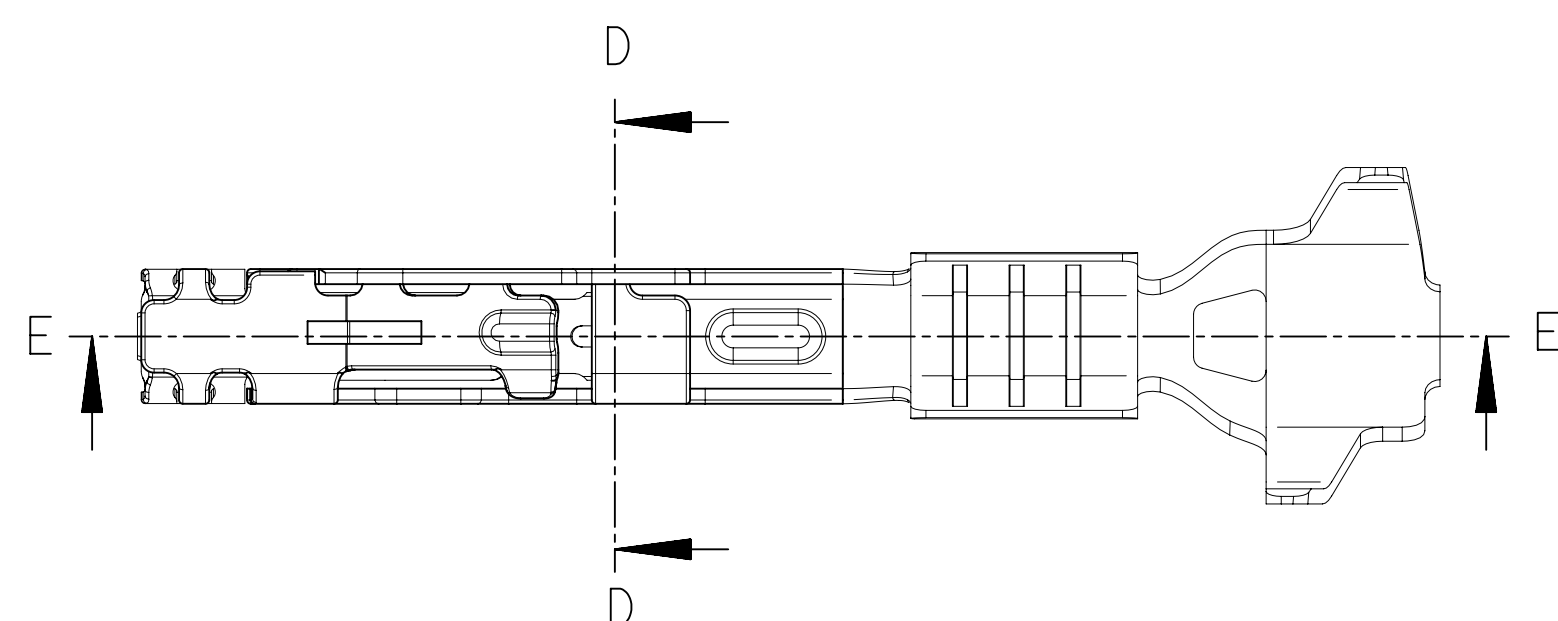
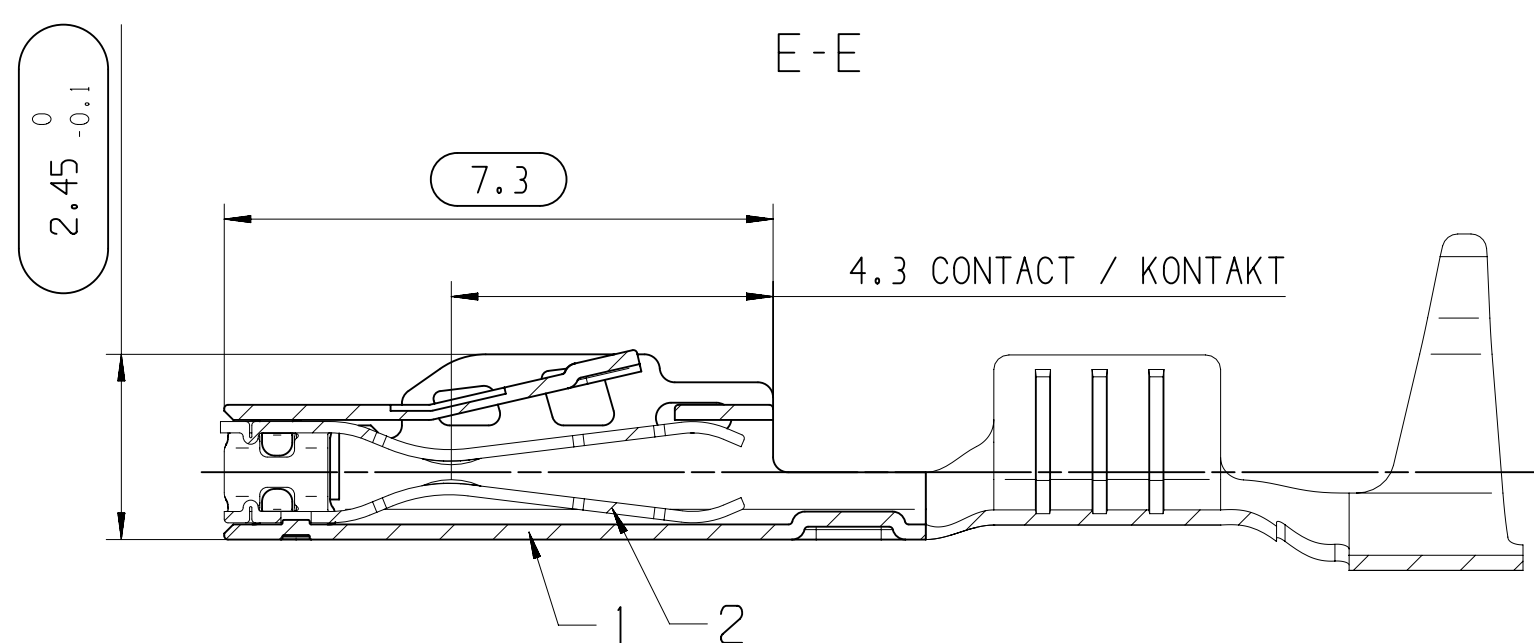
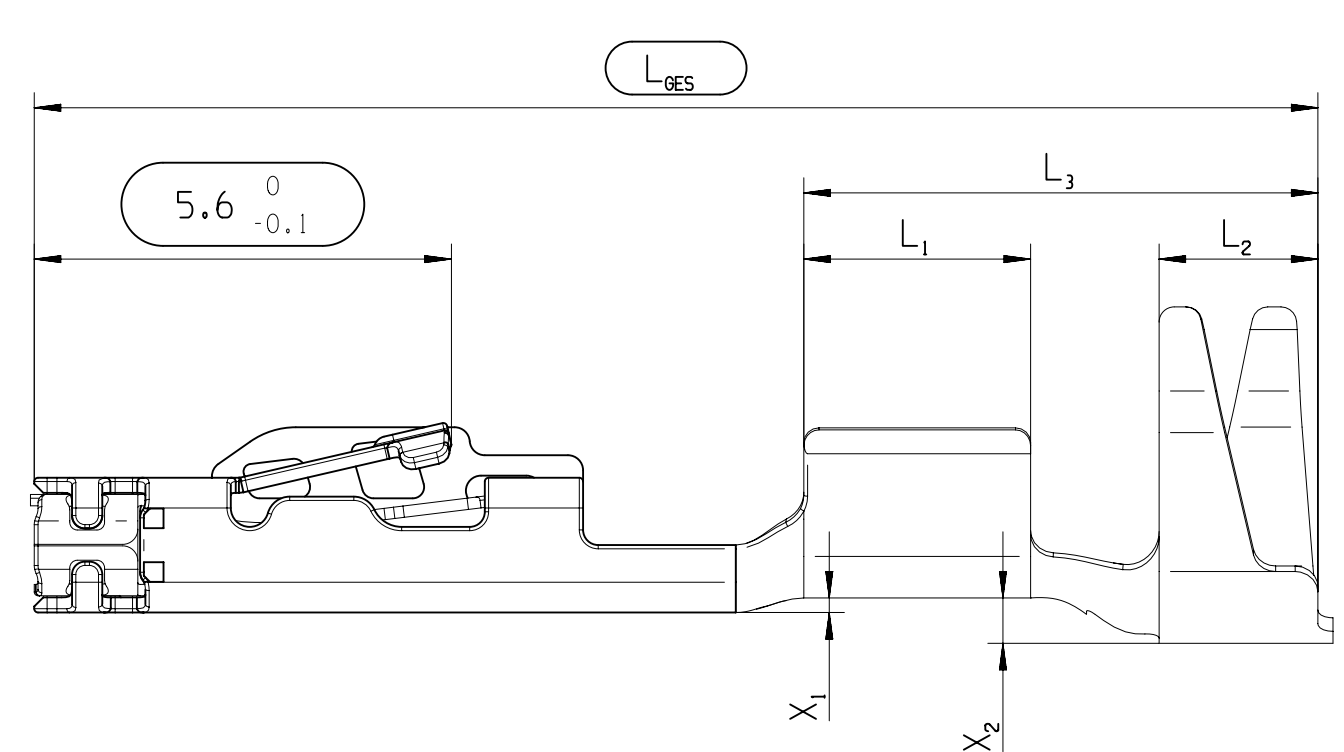
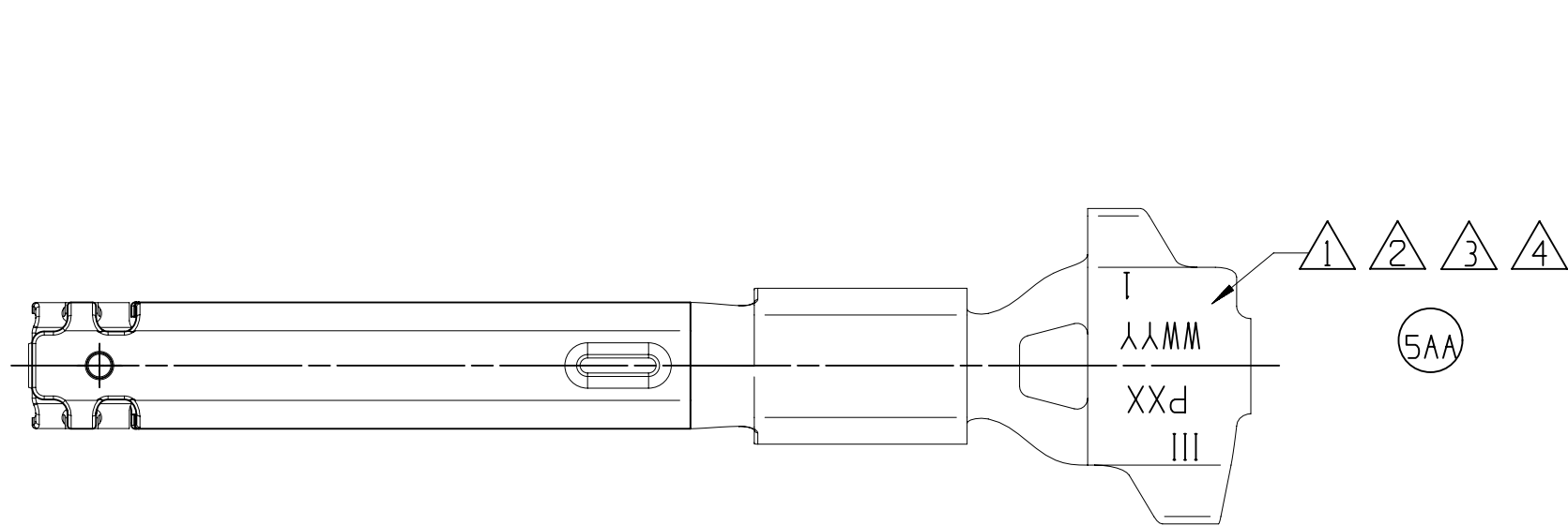
ENGAGE FORCE STECKKRAFT (N)	X ₂	X ₁	L _{MS}	L ₁	L ₂	L ₁	L _B	L _A	R ₂ ± 0.1	R ₁ ± 0.1	R _B ± 0.1	R _A ± 0.1	H ₂ ± 0.2	H ₁ ± 0.2	H _B ± 0.2	H _A ± 0.2	B ₂ ± 0.2	B ₁ ± 0.2	B _B ± 0.2	B _A ± 0.2
3.0 ± 1	0.6	0.2	17	6.8	1.9	3.25	1.5	1.5	1.55	.	0.4	0.4	4.4	.	1.4	1.5	4.2	.	1.35	1.45
3.0 ± 1	0.6	0.2	17	6.8	1.9	3.0	.	.	1.55	0.60	.	.	4.4	1.70	.	.	4.2	1.65	.	.
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	.	.
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	.	.

MATERIAL THICKNESS MATERIALDÜCKE	SURFACE OBERFLÄCHE	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
0.2± 0.005	FSn3	CU5N4	FLMRY-A	0.08-0.18	33120594	SEALED	1	13959104	13959117	03	12MR14
0.15± 0.005	FSn3	CU5N13511Mg	FLRY	0.22-0.35	13887349	SEALED	2	13959102	13959120	03	12MR14
0.2± 0.005	FSn3	CU5N4	FLRY	0.5-0.75	15327913	SEALED	1	13959107	13959141	04	09MY17
0.15± 0.005	FSn3	CU5N13511Mg	FLRY	1.0	13887349	SEALED	2	13959102	35555156	01	07AP21
0.2± 0.005	FSn3	CU5N4	FLRY	1.0	15327918	SEALED	1	13959113	35555157	01	07AP21
0.15± 0.005	FSn3	CU5N13511Mg	FLRY	1.0	13887350	SEALED	2	13959102	35555157	01	07AP21

MATERIAL THICKNESS MATERIALDÜCKE	SURFACE OBERFLÄCHE	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
0.2± 0.005	FSn3	CU5N4	FLMRY-A	0.08-0.18	33120594	SEALED	1	13959104	13959115	03	12MR14
0.15± 0.005	FSn3	CU5N13511Mg	FLRY	0.22-0.35	13887349	SEALED	2	13959102	13959118	03	12MR14
0.2± 0.005	FSn3	CU5N4	FLRY	0.5-0.75	15327913	SEALED	1	13959107	13959121	04	09MY17
0.15± 0.005	FSn3	CU5N13511Mg	FLRY	1.0	13887350	SEALED	2	13959102	35555157	01	07AP21
0.2± 0.005	FSn3	CU5N4	FLRY	1.0	15327918	SEALED	1	13959113	35555157	01	07AP21
0.15± 0.005	FSn3	CU5N13511Mg	FLRY	1.0	13887350	SEALED	2	13959102	35555157	01	07AP21

DATE	REV	NO	FIGS	ZONE	REVISION HISTORY	AUTH	DR	APVD
10AP13	R	01	--	--	INITIAL RELEASE / SERIENTREIBER	W.PHI	R.BUT	SYS
12MR14	R	02	--	--	CROSS-SECTION 1.0MM WAS/WR 1.1-1.5MM DIN/MASS 2.45-3.1 WAS/WR 2.4-3.1 NOTE/BEMERKUNG 1: WULF EINGESCHNITTEN NOTE/BEMERKUNG 4: ADDED/HINZU AVAILABLE/VERFUEGBAR	W.PHI	R.BUT	SYS
14JL16	R	04	--	--	NHE PROFILE FOR PN 13948568/13959119 CANCELED WELDENPROFIL FÜR PN 13948568/13959119 ENTF.	W.PHI	R.BUT	SYS
09MY17	R	05	AA	L7	DIN, CHANGED / MASSE GEÄNDERT: H: 2.25mm / H: 2.05mm / H: 1.35mm / H: 1.35mm H: 2.25mm / H: 2.05mm / H: 1.35mm / H: 1.35mm	PHIL	R.BUT	SYS
01AU17	R	05	AA	H11	TERMINAL MARKING ADJUST ON DRAWING TERMINAL MARKIERUNG ANF. ZEICHNUNG ANGEPASST	PHIL	R.BUT	SYS
28MY18	R	05	AB	L12	ENGAGE FORCE 2.5±1 N WAS 2.0±1 N STECKKRAFT 2.5±1 N WAS 2.0±1 N SEAL SPEC 11020594 WAS/WR P222753 ADDED PROCESS SPEC. NO.	PHIL	R.BUT	SYS
30AU19	R	05	AC	J4	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.BUT	SYS
28FE20	R	05	AD	J4	APN SET ACTIVE / APN VERFUEGBAR: 13959116 / 13959119 / 13959145 / 13959134	PHIL	M.POR	SYS
07AP21	R	06	J4	J4	APN 35555156 WAS/WR 13948568 APN 35555157 WAS/WR 13959119 APN 35555158 WAS/WR 13959134 H: 2.25mm WAS/WR H: 1.35mm H: 2.25mm WAS/WR H: 2.05mm	PHIL	M.POR	SYS

BASIC APPLICATION / STANDARD VARIANTE



NOTES / BEMERKUNGEN

- BURRS ACC. DIN 9830-F
SCHNITTGRAT NACH DIN 9830-F
- CRIMP MANUFACTURING PARAMETER AND TOOLING
ACCORDING TO APTIV-SPECIFICATION
CRIMPVERARBEITUNGSPARAMETER UND WERKZEUGE
GEMÄSS APTIV-SPEZIFIKATION
- ENGAGE FORCE: SEE CHART
CHECKED WITH GOUGE NO.: APN 15527317
- STECKKRAFT: SIEHE TABELLE
GEMESSEN MIT PRUEFSTIFT NR.: APN 15527317
- PRODUCT SPEC. NO. 13948569-CUS74-S01
PROCESS SPEC. NO. 13948569-CUS75-S01

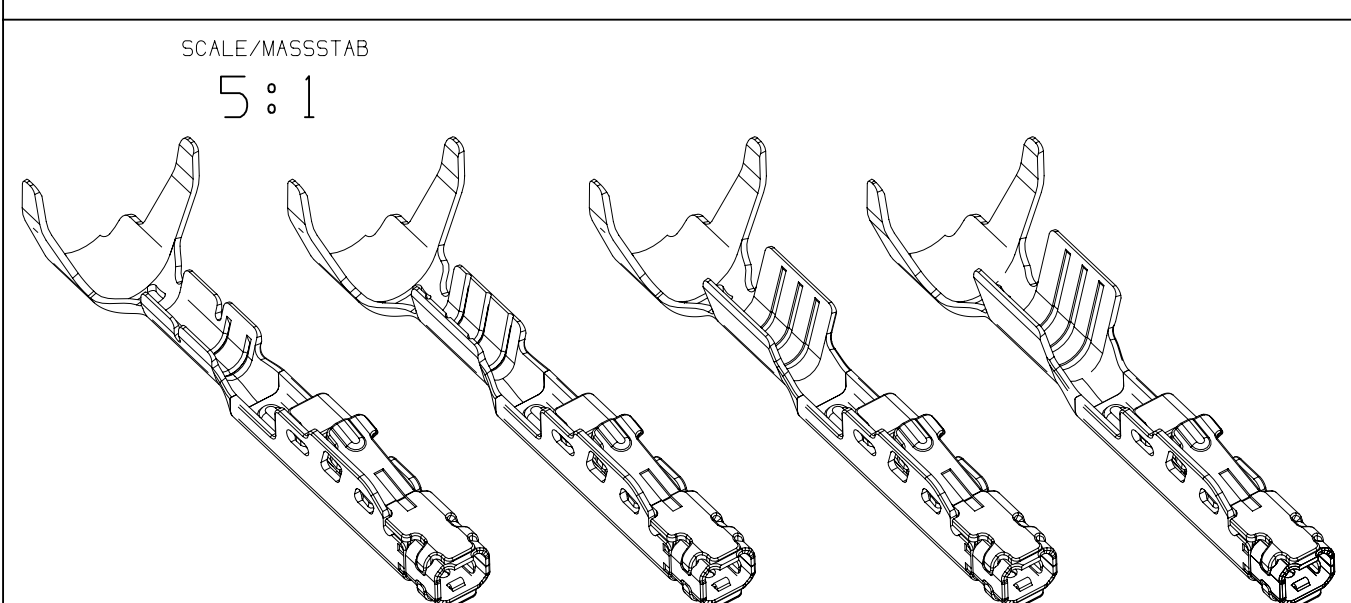
- INDEX FOR SURFACE: INLAY: Snc1 / Ag11 / Au111
KENNZEICHNUNG OBERFLÄCHE DER INNENFEDER: Snc1 / Ag11 / Au111
- PXX-INDEX ACC. ESD00020
PXX-ZEICHEN NACH ESD00020
- REVISION STATUS OUTSIDE OF ISO CRIMP
REVISIONSSTAND IM AUSSENBEREICH ISO CRIMP
- DATE CODE: WWJJ
DATUMS CODE: WWJJ

TERMINALS ARE APPLICABLE IN COMBINATION WITH KONTAKTEILE 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

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.
WHY ENTER LINE DASHED LINE THROUGH DRAWING? PART-NR. GEGENZEICHNET, DASS DIESE PART-NR. NICHT BESTELLT WERDEN KANN.
PART-NR. DIE KEINE LINE ZEIGEN, KÖNNEN ZUGEFÜHRT, DAS TEILE ZUR BESTELLUNG VERFUEGBAR SIND.
FÜR VERFUEGBARKEIT DER PARTS DEN ENKauf VON APTIV KONTAKTEN

DIM TO CHECK	DIMENSIONAL RANGE (MM)	CHART	D
1	0	12	>12
2	0	12	>12
3	0	12	>12
4	0	12	>12
5	0	12	>12
6	0	12	>12
7	0	12	>12
8	0	12	>12
9	0	12	>12
10	0	12	>12
11	0	12	>12
12	0	12	>12
13	0	12	>12
14	0	12	>12
15	0	12	>12
16	0	12	>12



DATE	REV	NO	FIGS	ZONE	REVISION HISTORY	AUTH	DR	APVD
10AP13	R	01	--	--	INITIAL RELEASE / SERIENTREIBER	W.PHI	R.BUT	SYS
12MR14	R	02	--	--	CROSS-SECTION 1.0MM WAS/WR 1.1-1.5MM DIN/MASS 2.45-3.1 WAS/WR 2.4-3.1 NOTE/BEMERKUNG 1: WULF EINGESCHNITTEN NOTE/BEMERKUNG 4: ADDED/HINZU AVAILABLE/VERFUEGBAR	W.PHI	R.BUT	SYS
14JL16	R	04	--	--	NHE PROFILE FOR PN 13948568/13959119 CANCELED WELDENPROFIL FÜR PN 13948568/13959119 ENTF.	W.PHI	R.BUT	SYS
09MY17	R	05	AA	L7	DIN, CHANGED / MASSE GEÄNDERT: H: 2.25mm / H: 2.05mm / H: 1.35mm / H: 1.35mm H: 2.25mm / H: 2.05mm / H: 1.35mm / H: 1.35mm	PHIL	R.BUT	SYS
01AU17	R	05	AA	H11	TERMINAL MARKING ADJUST ON DRAWING TERMINAL MARKIERUNG ANF. ZEICHNUNG ANGEPASST	PHIL	R.BUT	SYS
28MY18	R	05	AB	L12	ENGAGE FORCE 2.5±1 N WAS 2.0±1 N STECKKRAFT 2.5±1 N WAS 2.0±1 N SEAL SPEC 11020594 WAS/WR P222753 ADDED PROCESS SPEC. NO.	PHIL	R.BUT	SYS
30AU19	R	05	AC	J4	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.BUT	SYS
28FE20	R	05	AD	J4	APN SET ACTIVE / APN VERFUEGBAR: 13959116 / 13959119 / 13959145 / 13959134	PHIL	M.POR	SYS
07AP21	R	06	J4	J4	APN 35555156 WAS/WR 13948568 APN 35555157 WAS/WR 13959119 APN 35555158 WAS/WR 13959134 H: 2.25mm WAS/WR H: 1.35mm H: 2.25mm WAS/WR H: 2.05mm	PHIL	M.POR	SYS

DATE	REV	NO	FIGS	ZONE	REVISION HISTORY	AUTH	DR	APVD
10AP13	R	01	--	--	INITIAL RELEASE / SERIENTREIBER	W.PHI	R.BUT	SYS
12MR14	R	02	--	--	CROSS-SECTION 1.0MM WAS/WR 1.1-1.5MM DIN/MASS 2.45-3.1 WAS/WR 2.4-3.1 NOTE/BEMERKUNG 1: WULF EINGESCHNITTEN NOTE/BEMERKUNG 4: ADDED/HINZU AVAILABLE/VERFUEGBAR	W.PHI	R.BUT	SYS
14JL16	R	04	--	--	NHE PROFILE FOR PN 13948568/13959119 CANCELED WELDENPROFIL FÜR PN 13948568/13959119 ENTF.	W.PHI	R.BUT	SYS
09MY17	R	05	AA	L7	DIN, CHANGED / MASSE GEÄNDERT: H: 2.25mm / H: 2.05mm / H: 1.35mm / H: 1.35mm H: 2.25mm / H: 2.05mm / H: 1.35mm / H: 1.35mm	PHIL	R.BUT	SYS
01AU17	R	05	AA	H11	TERMINAL MARKING ADJUST ON DRAWING TERMINAL MARKIERUNG ANF. ZEICHNUNG ANGEPASST	PHIL	R.BUT	SYS
28MY18	R	05	AB	L12	ENGAGE FORCE 2.5±1 N WAS 2.0±1 N STECKKRAFT 2.5±1 N WAS 2.0±1 N SEAL SPEC 11020594 WAS/WR P222753 ADDED PROCESS SPEC. NO.	PHIL	R.BUT	SYS
30AU19	R	05	AC	J4	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.BUT	SYS
28FE20	R	05	AD	J4	APN SET ACTIVE / APN VERFUEGBAR: 13959116 / 13959119 / 13959145 / 13959134	PHIL	M.POR	SYS
07AP21	R	06	J4	J4	APN 35555156 WAS/WR 13948568 APN 35555157 WAS/WR 13959119 APN 35555158 WAS/WR 13959134 H: 2.25mm WAS/WR H: 1.35mm H: 2.25mm WAS/WR H: 2.05mm	PHIL	M.POR	SYS

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