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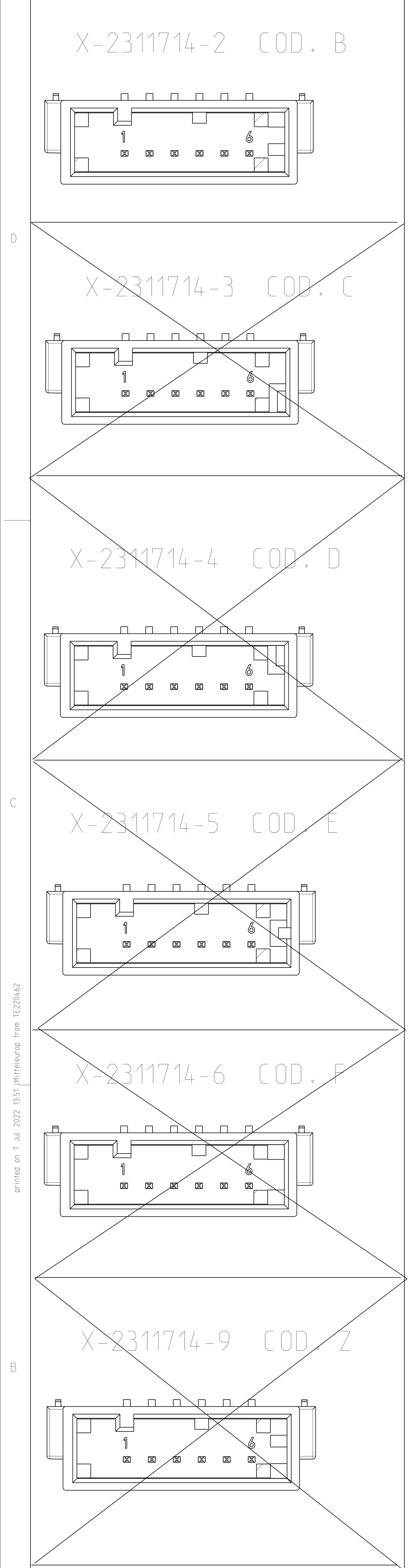
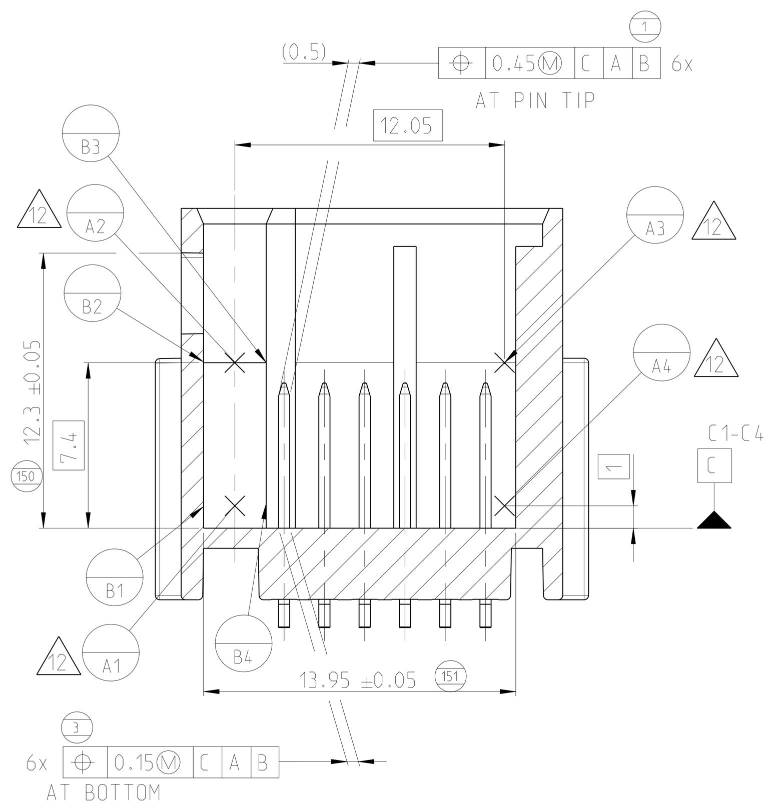
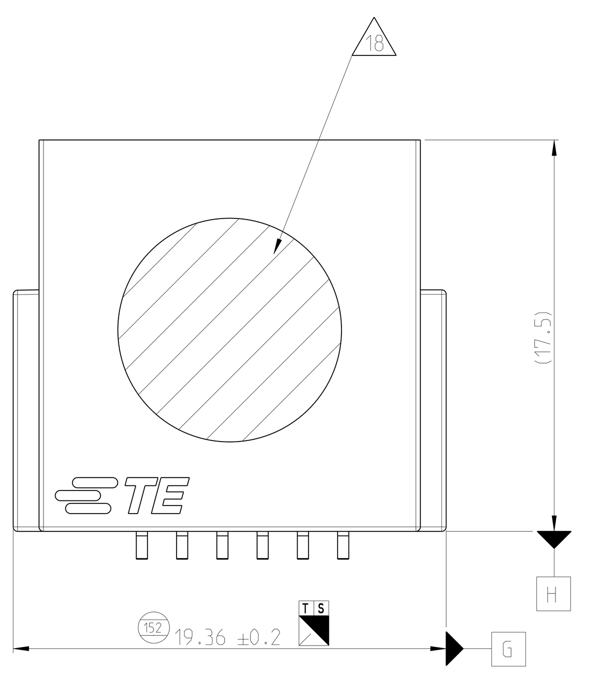
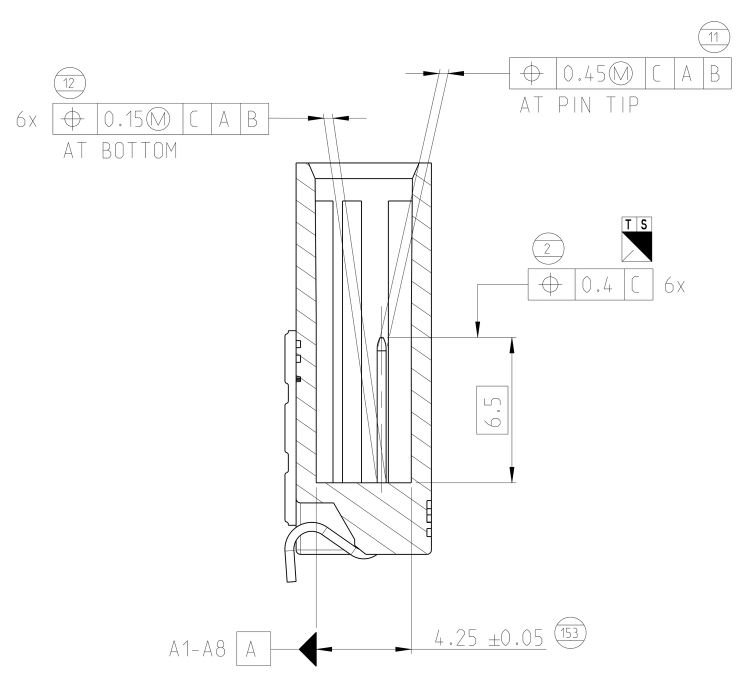
Project No. PRJ-17-000904014

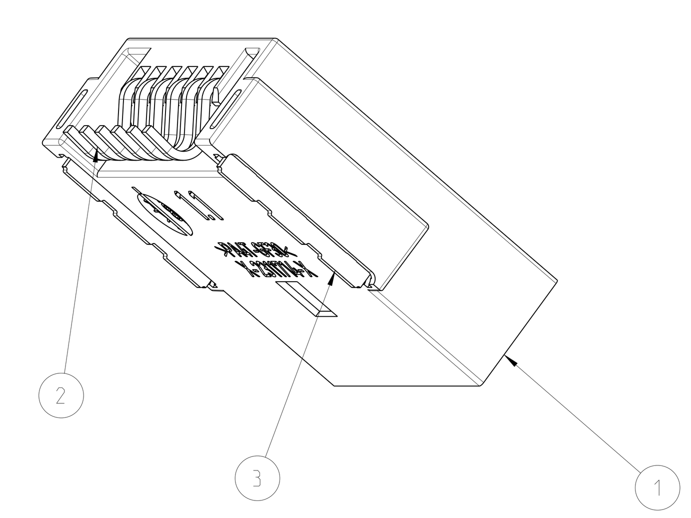
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A10	ECR-19-006064	24APR2019	KK	AB
	A11	PCN-22-142062	07JUL2022	FRAN	SCHO

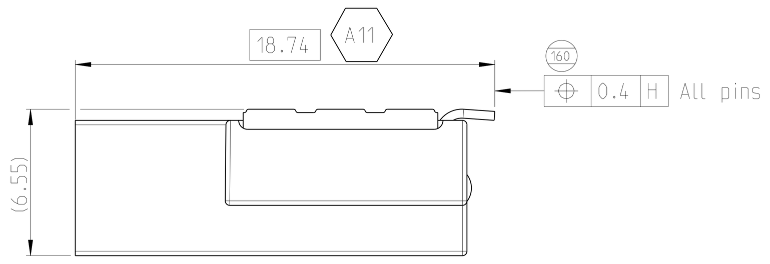


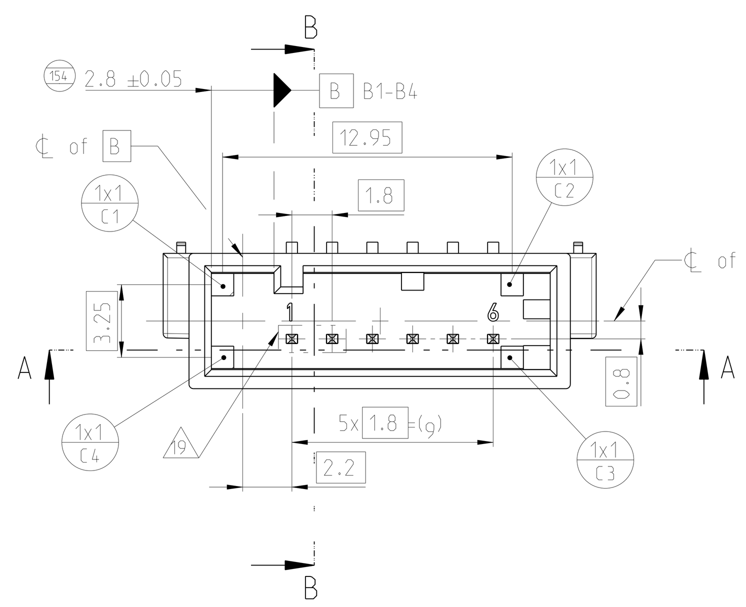


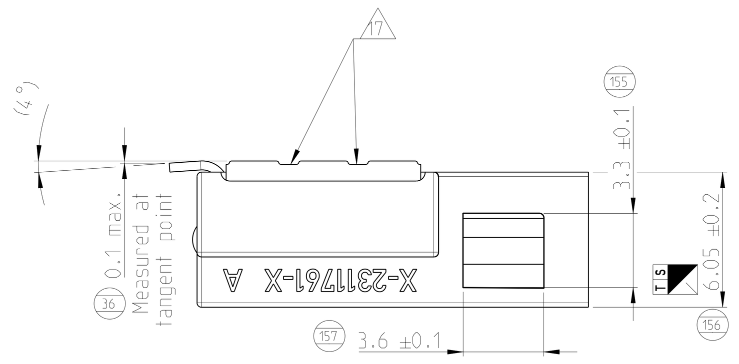


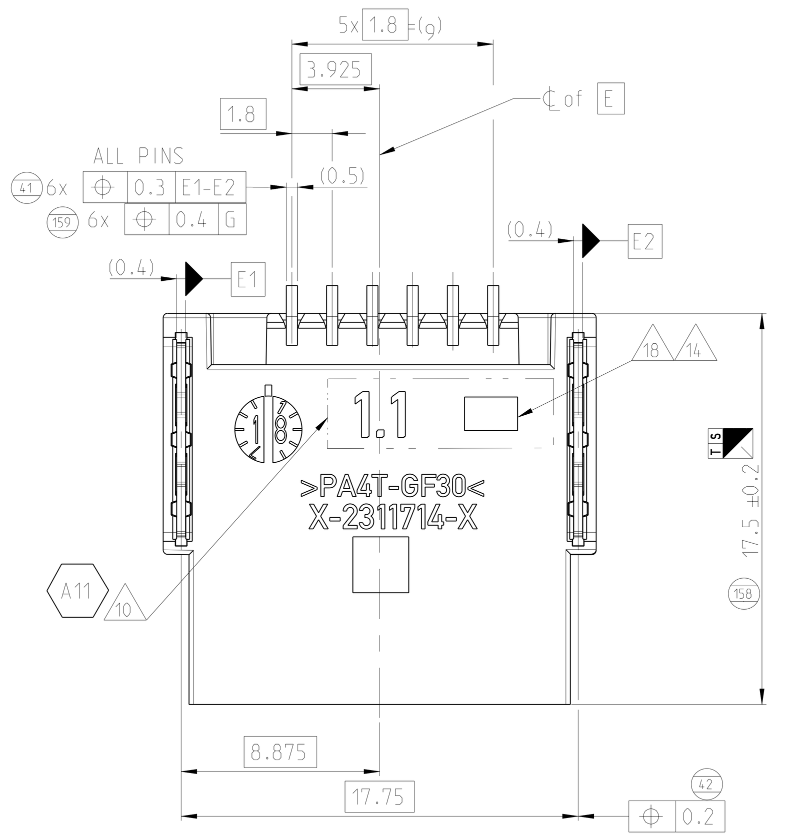


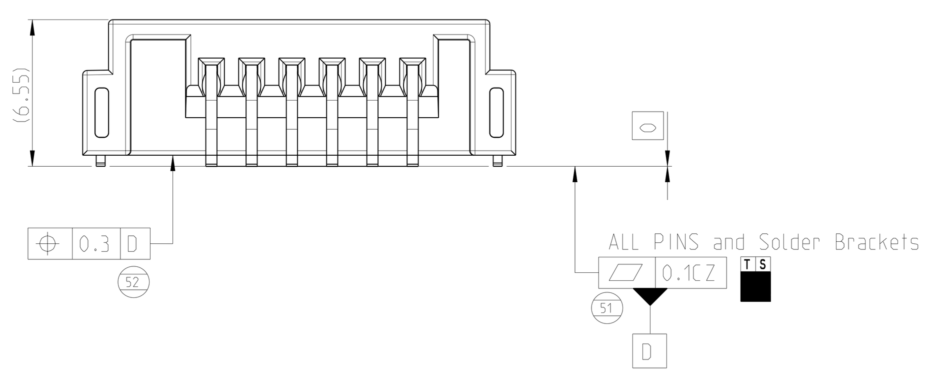




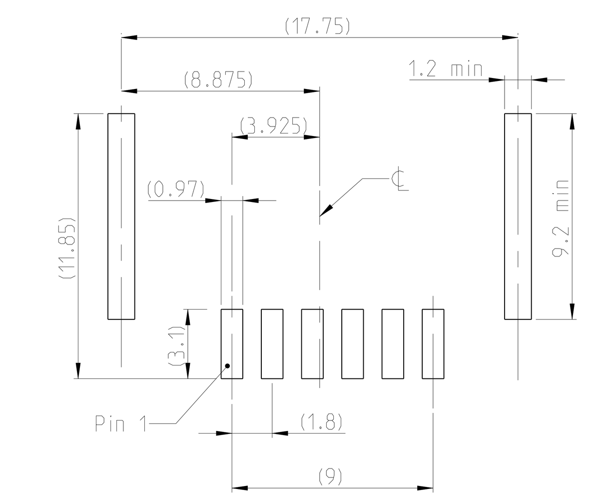








POSSIBLE PCB LAYOUT
CUSTOMER IS RESPONSIBLE FOR FINAL LAYOUT
Empfohlenes PCB Layout
Kunder ist verantwortlich fuer finales Layout



NOTES
Bemerkungen

(111) 1. PRESS OUT FORCE FOR NANOMQS CONTACT >15N WITH FEED RATE 25mm/min
Kontaktausdrueckkraft fuer NanoMQS Kontakt >15N mit Vorschubgeschwindigkeit 25mm/min
PULL OUT FORCES FOR SOLDER BRACKETS >60 N WITH FEED RATE 25mm/min
Kontakausreisskraft fuer Solder Brackets >60 N mit Vorschubgeschwindigkeit 25mm/min

(112) 2. INTERFACES ACC. TO 114-94000-17, REV. B1, Version 1 29.APR.2016 AND 208-18060 REV A1
Schnittstellen nach 114-94000-17, Rev. B1, Version 1 29. April 2016 und 208-18060 Rev A1

(113) 3. SOLDERING PROCESS: LEAD-FREE REFLOW SOLDERING IN REFERENCE TO JEDEC J-STD-020D
Loetprozess: Bleifreies Loeten in Anlehnung an die JEDEC J-STD-020D

(114) 4. INTERFACE IS NOT PART OF PPAP; TE CONNECTIVITY IS RESPONSIBLE FOR CONNECTOR SYSTEM
Schnittstelle ist nicht Bestandteil des PPAP, TE Connectivity ist verantwortlich fuer das Stecksystem

(115) △5 TOLERANCES ACC. TO DIN EN ISO 8015, DIN EN ISO 14405-1
GENERAL TOL. ACC. TO DIN 16742 TG5, EXCEPT ANGLE DIM. (SEE TITLE BLOCK)
Tolerierung nach DIN EN ISO 8015, DIN EN ISO 14405-1
Allgemeintoleranzen nach DIN 16742 TG5, ausser Winkelmasse (siehe Schriftkopf)

(116) 6. PACKAGING IN TAPE & REEL ACC. TO V2311714
Verpackung in Tape & Reel nach V2311714

(117) △7 SOLDER BRACKET SURFACE 3-8 µm Sn OVER 1-2.5 µm Ni
Loetblechoberflaeche 3-8 µm Sn ueber 1-2.5 µm Ni

(118) △8 CONTACT SURFACE SOLDER SIDE 3-8 µm Sn OVER 1-2.5 µm Ni, MATING SIDE Sn ACC. 114-94201
Kontaktoberflaeche Loetseitig 3-8 µm Sn ueber 1-2.5 µm Ni, Steckseite Sn nach 114-94201

(119) 9. FOR MISSING DIMENSION SEE CAD-MODEL X-2311714-X, REV. A
Fehlende Masse sind dem CAD-Model X-2311714-X, Rev. A zu entnehmen

A11 (120) △10 AREA OF GOOD PART MARKING: WITH PUNCH MARK OR LASER MARKING
Bereich der Gutteilmarkierung: Mit Koernerpunkt oder Lasermarkierung

(121) 11. ELECTRICAL 100% FINAL INSPECTION FOR CONTINUITY AND SHORT CIRCUIT
AS WELL AS EXISTENCE OF ALL CONTACTS
Elektrische 100% Endpruefung auf Durchgang und Kurzschluss,
sowie das Vorhandensein aller Kontakte
Not required for EFN production
Nicht gefordert fuer EFN Production

(122) △12 REFERENCE POINTS A5,6,7,8 ARE ON OPPOSITE SIDE OF A1,2,3,4
Bezugspunkte zu A5,6,7,8 auf gegenueberliegender Seite von A1,2,3,4

(123) △13 VACUUM GRIP AREA FREE OF BURR AND EJECTOR PINS (DIAMETER 10mm)
Ansaugflaeche frei von Grat und Auswerferstiften (Durchmesser 10mm)

(124) △14 COLOURED IDENTIFICATION MARK FOR C-SAMPLES
Farbliche Markierung fuer C-Muster

(125) 15 FURTHER VARIANT SEE FAMILY DRAWING 2331611
Weitere Varianten siehe Familien Zeichnung 2331611

(126) 16 POSITION OF HOUSING PN; REVISION AND MATERIAL MARKING MAY DIFFER FROM SERIES TO PRE-SERIES
Position der Gehaeuse-PN, Revision und Materialkennzeichnung abweichend von Serie zu Vorserie

(127) △17 CUT OUT WITH PLAIN STAMPING EDGES
Ausschnitt mit blanken Stanzkanten

(128) △18 GOOD PART MARKING FOR SEMI-AUTOMATIC PRODUCTION LINE
Gutteilmarkierung fuer halbautomatische Produktionslinie

(129) △19 PINS OPTIONAL ALLOWED, BUT AT CPA-CONNECTOR WITHOUT ELECTRIC FUNCTION
Pins optional zulaessig, aber bei CPA-Stecker ohne elektrische Funktion

SERIES													
x- -1	x- -3	x- -3	x- -4	n/a	n/a	x- -9	PN: 2282154 - suitable Receptacle Housing w/o CPA						
x- -1	x- -2	n/a	n/a	n/a	n/a	n/a	PN: 2333104 - suitable Receptacle Housing w/ CPA						
2	2	2	2	2	2	2	Solder Brackets	-	-	Copper-Alloy	△7	-	3
8	8	8	8	8	8	8	NanoMQS Pin	-	-	Copper-Alloy	△8	-	2
-	-	-	-	-	-	1	6Pos Header Assy	Z	A	PA4T-GF30	waterblue	5021	1
-	-	-	-	-	1	-	6Pos Header Assy	F	A	PA4T-GF30	brown	tbd	1
-	-	-	-	1	-	-	6Pos Header Assy	E	A	PA4T-GF30	green	tbd	1
-	-	-	1	-	-	-	6Pos Header Assy	D	A	PA4T-GF30	claret-violet	4004	1
-	-	1	-	-	-	-	6Pos Header Assy	C	A	PA4T-GF30	blue	5005	1
-	1	-	-	-	-	-	6Pos Header Assy	B	A	PA4T-GF30	nature	-	1
1	-	-	-	-	-	-	6Pos Header Assy	A	A	PA4T-GF30	black	9011	1
							DESCRIPTION	COD.	REV.	MATERIAL	SURFACE/ COLOR	RAL (similar)	POS.
A	A	A	A	A	A	A	Assy. REV.						
0-x-1	0-x-2	0-x-3	0-x-4	0-x-5	0-x-6	0-x-9	TE PART NUMBER						
1.51	1.51	1.50	1.49	1.50	1.52	1.46	theoretical weight [gr.]						

TS 100% Inspection
100% Pruefung

TS Cmk>= 1.67
Cmk>= 1.67

TS GAUGE INSPECTION
Lehren Pruefung

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	mm
TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ±- / 1 PLC ±- / 2 PLC ±- / 3 PLC ±- / 4 PLC ±- / ANGLES ±1° △5
MATERIAL	- -
FINISH	- -
DWN	A.Burkhard 25OCT2016
CHK	A.Burkhard 14.NOV.2016
APVD	D.Duenkel 15.NOV.2016
PRODUCT SPEC	108-94871 A11
APPLICATION SPEC	-
WEIGHT	-
NAME	6pos NanoMQS 90deg SMD, Assembly
SIZE	A0
CAGE CODE	00779
DRAWING NO	C-2311714
RESTRICTED TO	-
SCALE	5:1
SHEET	1 OF 1
REV	A11

TE Connectivity

CUSTOMER DRAWING

0-2311714-1

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wie gezeichnet

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