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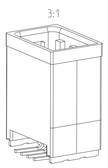
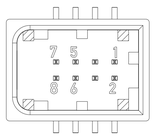
Project-Number	PRJ-17-000904429

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A3	ECR-19-006064	24APR2019	SK	KK
	A4	ECR-22-126882	18JAN2022	FRAN	SCHO
	A5	PCN-23-169594	2MAR2023	FRAN	SCHO
	A6	PCN-25-253464	11AUG2025	STIE	SCHO

3:1





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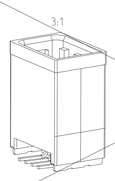

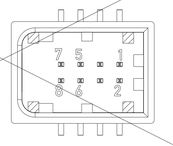

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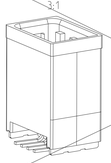
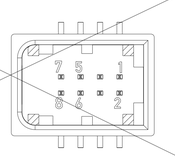
3:1





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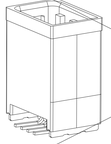
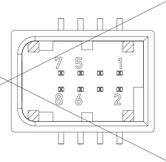
3:1





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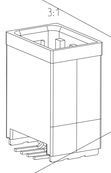
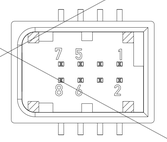
3:1





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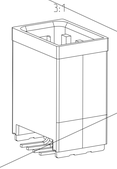
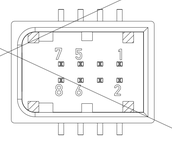
3:1





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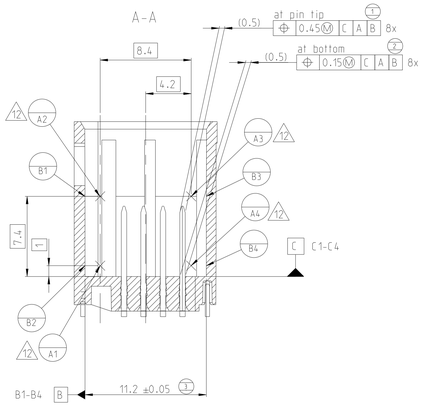
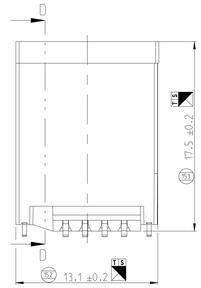
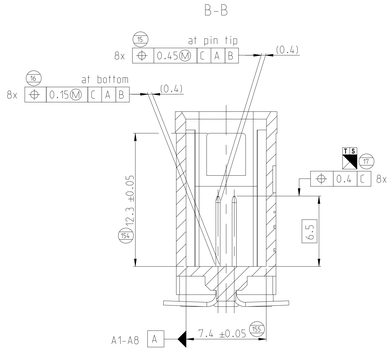
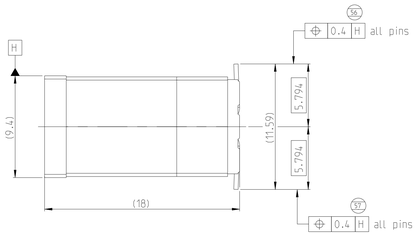
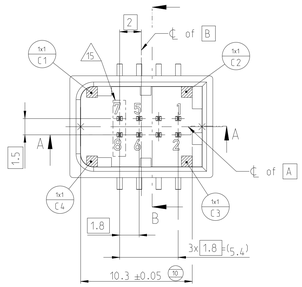
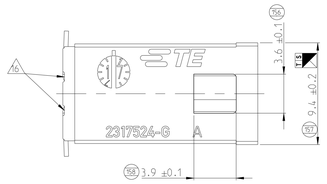


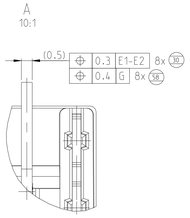


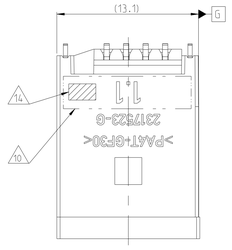


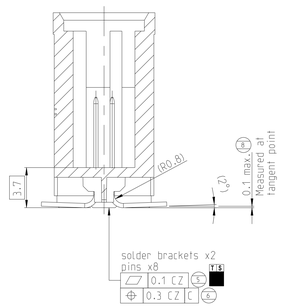


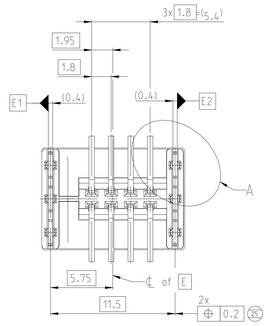


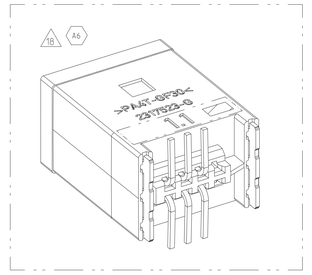


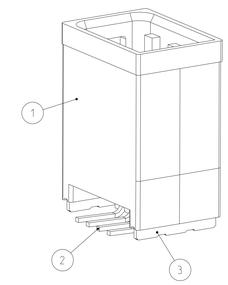




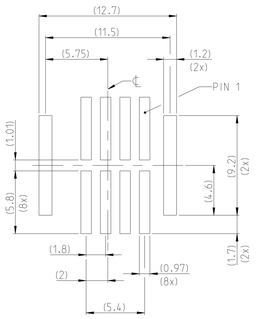








POSSIBLE PCB LAYOUT
CUSTOMER IS RESPONSIBLE FOR LAYOUT
Moegliches Leiterplattenlayout
Kunde ist fuer Leiterplattenlayout verantwortlich



NOTES
Bemerkungen

201 1 PRESS OUT FORCE FOR NANOMQS CONTACT >15N WITH FEED RATE 25mm/min
Kontaktausdrueckkraft fuer NanoMQS Kontakt >15N mit Vorschubgeschwindigkeit 25mm/min

202 2 PRESS OUT FORCE FOR SOLDER BRACKET >60N WITH FEED RATE 25mm/min
Kontaktausdrueckkraft fuer Loetblech >60N mit Vorschubgeschwindigkeit 25mm/min

203 3 INTERFACES ACC. TO 114-94000-20, REV. A1, Version 1.
Schnittstellen nach 114-94000-20, Rev. A1, Version 1.

204 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 Stecksystem

205 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)

206 6 PACKAGING IN TAPE & REEL ACC. TO V2317523
Verpackung in Tape & Reel nach V2317523

207 7 SOLDER BRACKET SURFACE 3-8µm Sn OVER 1.0-2.5µm Ni
Loetblechoberflaeche 3-8µm Sn ueber 1.0-2.5µm Ni

208 8 CONTACT SURFACE SOLDER SIDE 3-8µm Sn OVER 1.0-2.5µm Ni, MATING SIDE Sn ACC. 114-94201
Kontaktoberflaeche Loetseitig 3-8µm Sn ueber 1.0-2.5µm Ni, Steckseitatceh Sn nach 114-94201

209 9 FOR MISSING DIMENSION SEE CAD-MODEL 2317523, REV. A
Fehlende Masse sind dem CAD-Model 2317523. zu entnehmen. rev. A

210 10 AREA FOR GOOD PART MARKING: WITH PUNCH MARK OR LASER MARKING
Bereich fuer Gutteilmarkierung: Mit Koernerpunkt oder Lasermarkierung

211 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

232 12 REFERENCE POINTS A5,6,7,8 ARE ON OPPOSITE SITE OF A1,2,3,4
Bezugspunkte zu A5,6,7,8 auf gegenueberliegender Seite von A1,2,3,4

233 13 SOLDERING PROCESS: LEAD-FREE REFLOW SOLDERING IN REFERENCE TO JEDEC J-STD-020D
Loetprozess: Bleifreies Loeten in Anlehnung an JEDEC J-STD-020D

214 14 COLOURED IDENTIFICATION MARK FOR C-SAMPLES
Farbliche Markierung fuer C-Muster

235 15 PINS OPTIONAL ALLOWED, BUT AT CPA-CONNECTOR WITHOUT ELECTRIC FUNCTION
Pins optional zulaessig, aber bei CPA-Stecker ohne elektrische Funktion

236 16 CUT OUT WITH PLAIN STAMPING EDGES
Ausschnitt mit blanken Stanzkanten

237 17 POSITION OF HOUSING PN, REVISION AND MATERIAL MARKING MAY DIFFER FROM SERIES TO PRE-SERIES
Position der Geheause-PN, Revision und Materialkennzeichnung abweichend von Serie zu Vorserie

A6 238 18 CHAMBERS 7 AND 8 NOT FITTED
Kammern 7 und 8 nicht bestueckt

SERIES														
x- -1	x- -1	x- -2	N/A	N/A	N/A	N/A	N/A	PN: 2320008 - suitable Receptacle Housing w/o CPA						
x- -1	x- -1	x- -2	N/A	N/A	N/A	N/A	N/A	PN: 2312106 - suitable Receptacle Housing w/ CPA						
2	2	2	2	2	2	2	2	Solder Brackets	-	A	Copper-Alloy	7	-	3
6	8	8	8	8	8	8	8	NanoMQS Pin	-	A	Copper-Alloy	8	-	2
-	-	-	-	-	-	-	1	8Pos Header Housing	Z	A	PA6T-GF30	waterblue	5021	1
-	-	-	-	-	-	1	-	8Pos Header Housing	F	A	PA6T-GF30	brown	tbd	1
-	-	-	-	-	1	-	-	8Pos Header Housing	E	A	PA6T-GF30	green	tbd	1
-	-	-	-	1	-	-	-	8Pos Header Housing	D	A	PA6T-GF30	claret-violet	4004	1
-	-	-	1	-	-	-	-	8Pos Header Housing	C	A	PA6T-GF30	blue	5005	1
-	-	1	-	-	-	-	-	8Pos Header Housing	B	A	PA6T-GF30	nature	-	1
1	1	-	-	-	-	-	-	8Pos Header Housing	A	A	PA6T-GF30	black	9011	1
18								DESCRIPTION	COD.	REV.	MATERIAL	SURFACE/ COLOR	RAL (similar)	POS.
A	A	A	A	A	A	A	A	Assy. Rev.						
3-x-1	0-x-1	0-x-2	0-x-3	0-x-4	0-x-5	0-x-6	0-x-9	TE Part No.						
1.46	1.47	1.47	~~1.45~~	~~1.48~~	~~1.47~~	~~1.47~~	~~1.42~~	Theoretical Weight (gr.)						

A6

100% Inspection
cmk >= 1.67
Gauge Inspection

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC ±, 1 PLC ±, 2 PLC ±, 3 PLC ±, ANGLES ±°

MATERIAL - -

FINISH - -

DWN 06MAR2017 Ajay Naik
CHK 11APR2017 Kareppa. K
APVD 11APR2017 A. Barkhard
PRODUCT SPEC 108-94871
APPLICATION SPEC - -
WEIGHT -

TE Connectivity

NAME 8Pos. NanoMQS. Header Assy. 6Pos.CPA 180Deg. SMD

SIZE A0 | CAGE CODE 00779 | DRAWING NO ©=2317523 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV A6

0-2317523-1 AS SHOWN
wie gezeichnet