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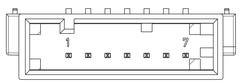
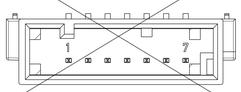
Project No. PRJ-18-000901585

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	NEW DRAWING	05JUL2018	AJ	KK
	A2	ECR-19-004285	18MAR2019	SK	KK
	A3	PCN-22-142062	07JUL2022	FRAN	SCHO
	B	Correction of coding ribs	13FEB2024	FRAN	SCHO

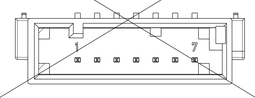
X-2315409-2 COD.B



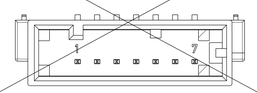
X-2315409-3 COD.C



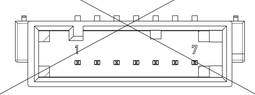
X-2315409-4 COD.D



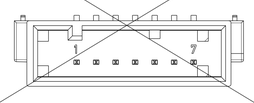
X-2315409-5 COD.E



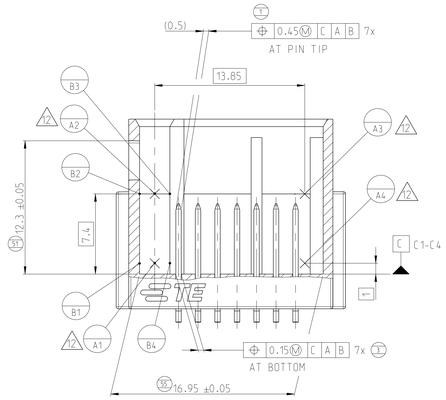
X-2315409-6 COD.F

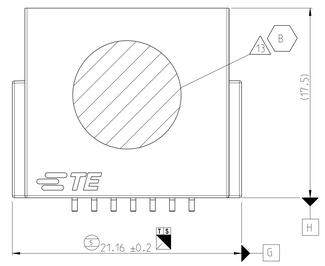


X-2315409-9 COD.Z

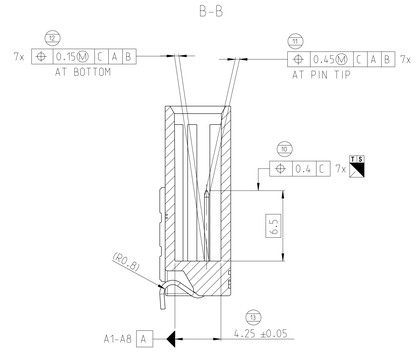


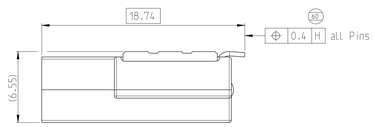
A-A

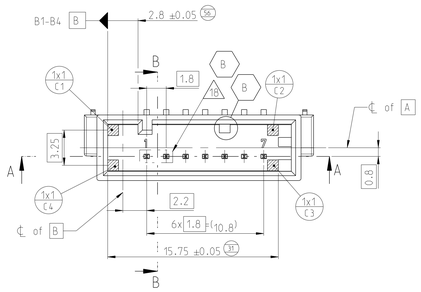


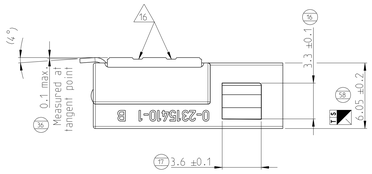


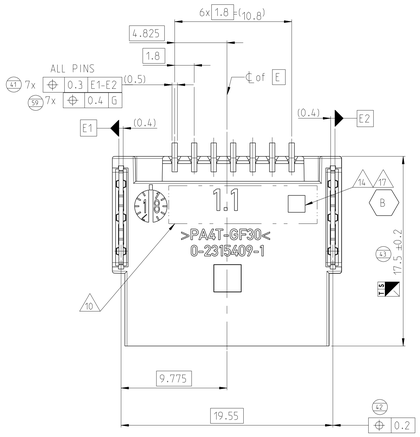
B-B

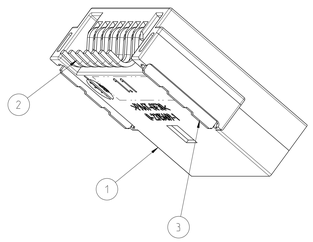


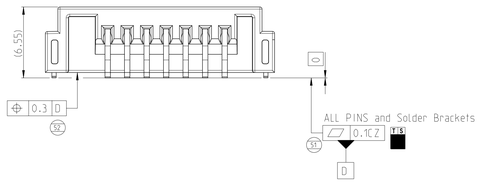












NOTES
Bemerkungen

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 V2315409
Verpackung in Tape & Reel nach V2315409

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

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

119 9. FOR MISSING DIMENSION SEE CAD-MODEL X-2315409-X, REV. A
Fehlende Masse sind dem CAD-Model X-2315409-X, Rev. A zu entnehmen

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

122 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

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

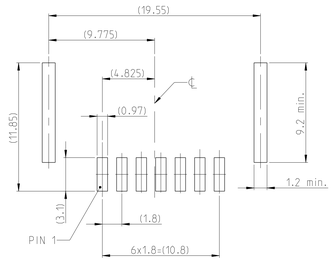
125 15. POSITION OF HOUSING PN: REVISION AND MATERIAL MARKING MAY DIFFER FROM
SERIES TO PRE-SERIES
Position der Gehaeuse-PN, Revision und Materialkennzeichnung abweichend von Serie zu Vorserie

126 16. CUT OUT WITH PLAIN STAMPING EDGES
Ausschnitt mit blanken Stanzkanten

127 17. GOOD PART MARKING FOR SEMI AUTOMATIC PRODUCTION LINE
Gutteilmarkierung fuer halbautomatische Produktionslinie

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

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



SERIES													
x- -1	x- -2	x- -3	x- -4	n/a	n/a	x- -9	PN: 2282155 - suitable Receptacle Housing w/o CPA						
x- -1	x- -2	n/a	n/a	n/a	n/a	n/a	PN: 2333105 - suitable Receptacle Housing w/ CPA						
2	2	2	2	2	2	2	Solder Brackets	-	-	Copper-Alloy	7	-	3
7	7	7	7	7	7	7	NanoMQS Pin	-	-	Copper-Alloy	8	-	2
-	-					-	7Pos Header HSG	Z	B	PA4T-GF30	waterblue	5021	1
-	-					-	7Pos Header HSG	F	B	PA4T-GF30	brown	tbd	1
-	-	-	-	1	-	-	7Pos Header HSG	E	B	PA4T-GF30	green	tbd	1
-	-	-	1	-	-	-	7Pos Header HSG	D	B	PA4T-GF30	claret-violet	4004	1
-	-	1	-	-	-	-	7Pos Header HSG	C	B	PA4T-GF30	blue	5005	1
-	1	-	-	-	-	-	7Pos Header HSG	B	B	PA4T-GF30	nature	-	1
1	-	-	-	-	-	-	7Pos Header HSG	A	B	PA4T-GF30	black	9011	1
							DESCRIPTION	COD.	REV	MATERIAL	SURFACE/ COLOR	RAL (similar)	POS.
B	B	B	B	B	B	B	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						
1.687	1.687	~~1.673~~	~~1.662~~	1.672	1.691	~~1.645~~	theoretical weight [gr.]						

TIS 100% Inspection
100% Pruefung

TIS Cmk>= 1.67
Cmk>= 1.67

TIS GAUGE INSPECTION
Lehren Pruefung

THIS DRAWING IS A CONTROLLED DOCUMENT.
DIMENSIONS: mm
TOLERANCES UNLESS OTHERWISE SPECIFIED: 5
MATERIAL: -
FINISH: -
ANGLES: ±4°
finish_spec_2

DWN Ajay Naik 17APR2018
CHK Kareppa. K 17APR2018
APVD A.Burkhard -
PRODUCT SPEC 108-94871
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME 7POS_NanoMQS_Header_Assy_90DEG_SMD

SIZE A0 | CAGE CODE 00779 | DRAWING NO C-2315409 | RESTRICTED TO -

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

0-2315409-1 AS SHOWN
wie gezeichnet

printed on 13 Feb 2024 13:48, dMinterface from T2320442