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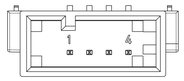
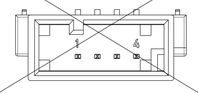
Project No. PRJ-18-000901585

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	NEW DRAWING	05JUL2018	AN	AB
	A2	ECR-19-004285	18MAR2019	AN	KK
	A3	ECR-19-006064	24APR2019	SK	KK
	A4	PCN-22-142062	07JUL2022	FRAN	SCHÖ

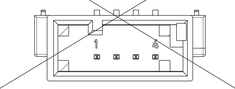
X-2315405-2 COD.B



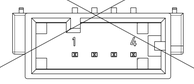
X-2315405-3 COD.C



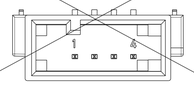
X-2315405-4 COD.D



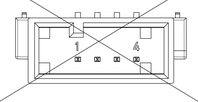
X-2315405-5 COD.E



X-2315405-6 COD.F

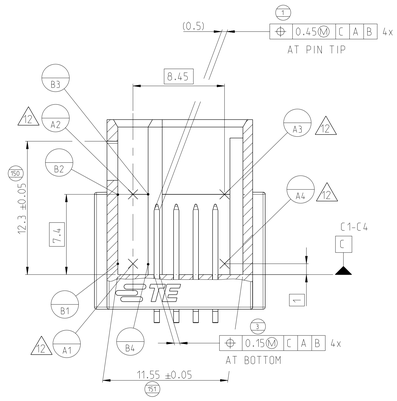


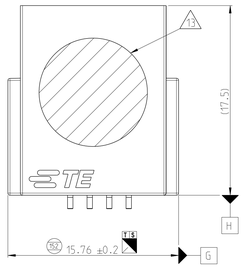
X-2315405-9 COD.Z



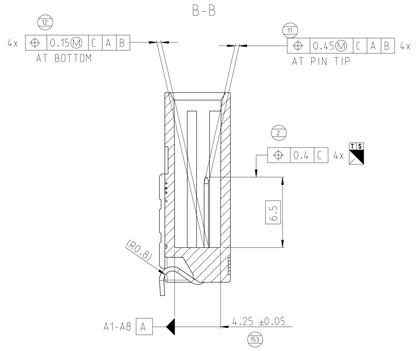
printed on 7 Jul 2022 3:56 PM (Mittelwerp from TE2014v2)

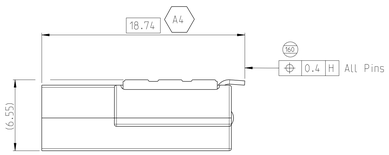
A-A

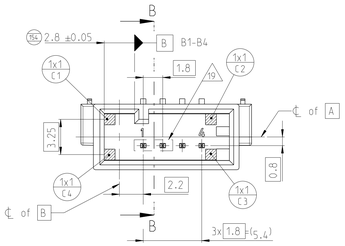


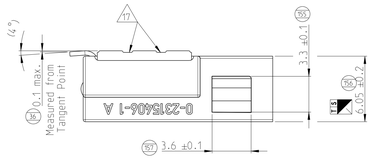


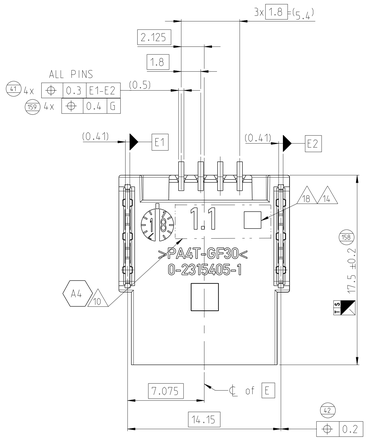
B-B

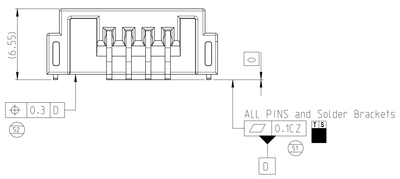


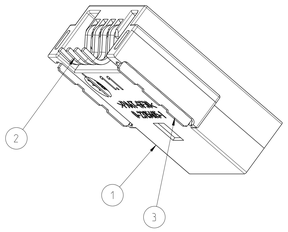












NOTES
Bemerkungen

(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 V2315405
Verpackung in Tape & Reel nach V2315405

(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-2315405-X, REV. A
Fehlende Masse sind dem CAD-Model X-2315405-X, Rev. A zu entnehmen

A4 (102) 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
T1 S 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 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

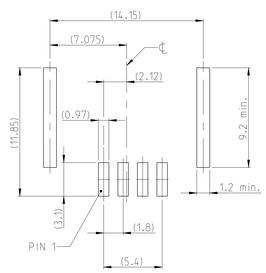
(126) 16 POSITION OF HOUSING PN; REVISION AND MATERIAL MARKING MAY DIFFER FROM
SERIES TO PRE-SERIES
Position der Gehaeuse-PN, Revision und Materialkennzeichnung abweichend von Serie zu Vorserie

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

(128) 18 GOOD PART MARKING FOR SEMI_AUTOMATIC PRODUCTION LINE
Gutteilmarkierung fuer Vor-Serie halbautomatische Produktionslinie

(129) 19 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



0-2315405-1

AS SHOWN
wie gezeichnet

SERIES									
x- -1	x- -2	x- -3	x- -4	n/a	n/a	x- -9	PN: 2282152 - suitable Receptacle Housing w/o CPA						
x- -1	x- -2	n/a	n/a	n/a	n/a	n/a	PN: 2333102 - suitable Receptacle Housing w/ CPA						
2	2	2	2	2	2	2	Solder Brackets	-	-	Copper-Alloy	7	-	3
4	4	4	4	4	4	4	NanoMQS Pin	-	-	Copper-Alloy	8	-	2
-	-	-	-	-	-	1	4Pos Header HSG	Z	A	PA4T-GF30	waterblue	5021	1
-	-	-	-	-	1	-	4Pos Header HSG	F	A	PA4T-GF30	brown	tbd	1
-	-	-	-	-	-	-	4Pos Header HSG	E	A	PA4T-GF30	green	tbd	1
-	-	-	-	-	-	-	4Pos Header HSG	D	A	PA4T-GF30	claret-violet	4004	1
-	-	-	-	-	-	-	4Pos Header HSG	C	A	PA4T-GF30	blue	5005	1
-	1	-	-	-	-	-	4Pos Header HSG	B	A	PA4T-GF30	nature	-	1
1	-	-	-	-	-	-	4Pos Header HSG	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						
1.285	1.269	1.255	1.245	1.254	1.273	1.227	Theoretical weight (g)						

T1 S 100% Inspection
100% Pruefung
T1 S Cmk>= 1.67
Cmk>= 1.67
T1 S GAUGE INSPECTION
Lehren Pruefung

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm
MATERIAL: - / -
TOLERANCES UNLESS OTHERWISE SPECIFIED: 5
ANGLES ±2°
FINISH: - finish_spec_2
WEIGHT: -
APPLICATION SPEC: -
PRODUCT SPEC: 108-94871 A4
DWN AJAY NAIK 24MAR2016
CHK Kareppa. K 24MAR2016
APVD A.Burkhard -
NAME: 4POS_NanoMQS_Header_Assy_90DEG_SMD
SIZE A0 | CAGE CODE 00779 | DRAWING NO C-2315405 | REVISION -
CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV A4
RESTRICTED TO -

TE Connectivity