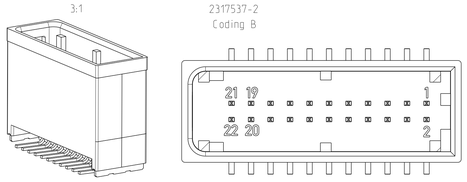
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 2019
© COPYRIGHT 2019 TE Connectivity Germany GmbH ALL RIGHTS RESERVED.

Project-Number	PRJ-17-000904014

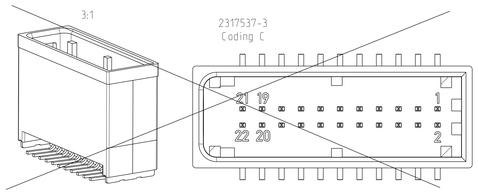
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A7	ECR-18-006432	26APR2018	AN	KK
	A8	ECR-18-011789	23JUL2018	MSA	KK
	A9	ECR-19-006563	25APR2019	AN	AB
	A10	PCN-23-169594	29MAR2023	FRAN	SCHO

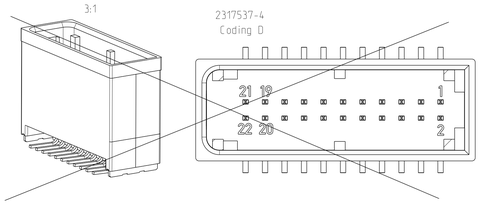
3:1 2317537-2 Coding B



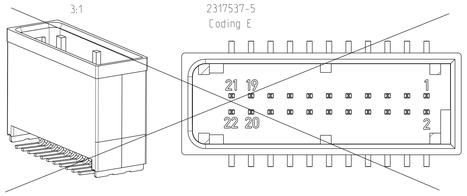
3:1 2317537-3 Coding C



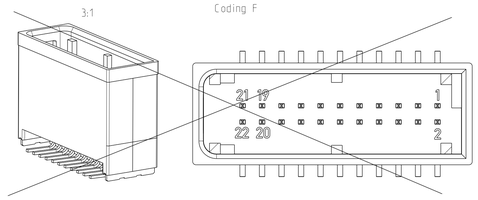
3:1 2317537-4 Coding D



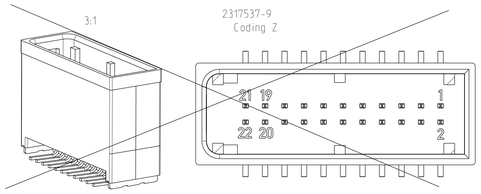
3:1 2317537-5 Coding E



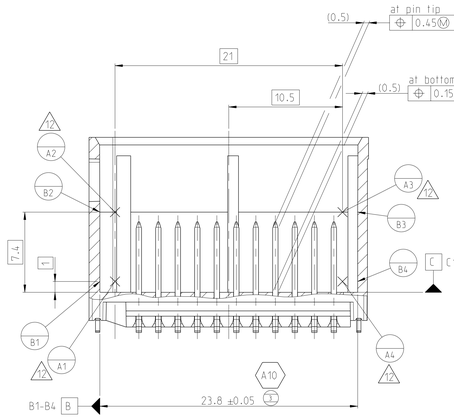
3:1 2317537-6 Coding F



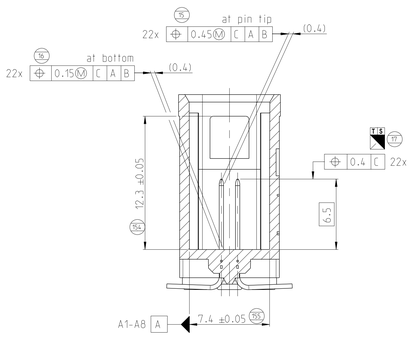
3:1 2317537-9 Coding Z

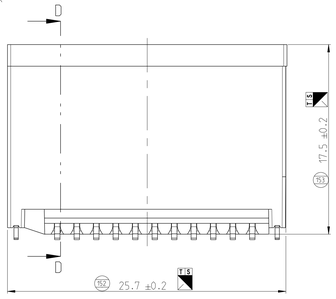


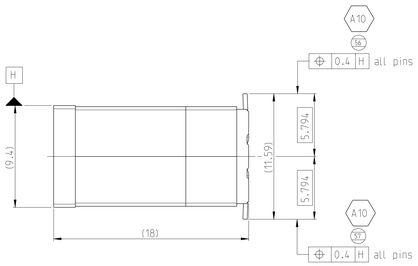
A-A

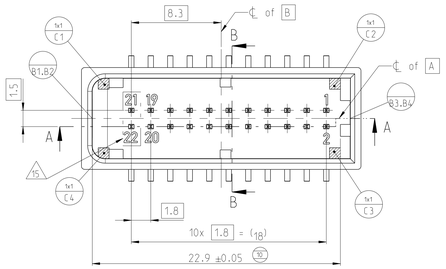


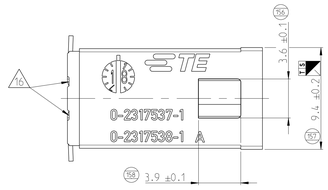
B-B



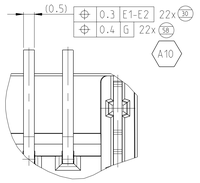


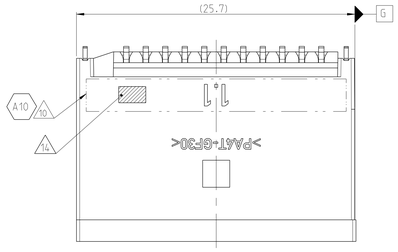




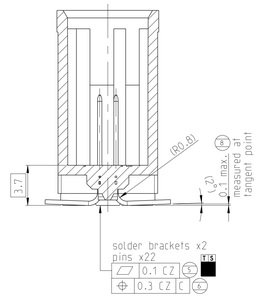


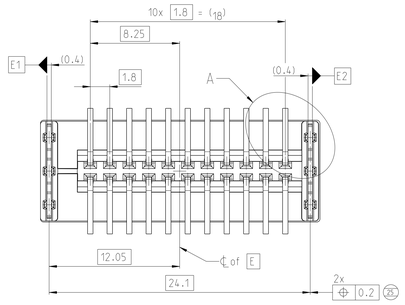
A
10:1

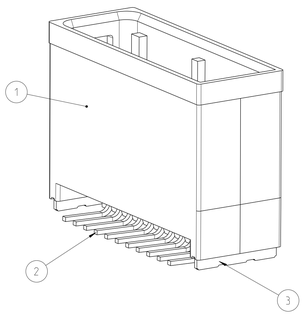




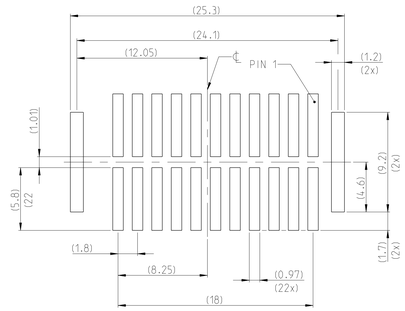
D-D







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 V2317537
Verpackung in Tape & Reel nach V2317537

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, Steckseite Sn nach 114-94201

209 9 FOR MISSING DIMENSION SEE CAD-MODEL 2317537, REV. A
Fehlende Masse sind dem CAD-Model 2317537. Rev. A zu entnehmen

210 10 GOOD PART MARKING: PUNCH MARK
Gutteilmarkierung: Koernerpunkt

211 11 ELECTRICAL 100% FINAL INSPECTION FOR CONTINUITY AND SHORT CIRCUIT
TYCO 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

212 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

213 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

215 15 PINS OPTIONAL ALLOWED, BUT AT CPA-CONNECTOR WITHOUT ELECTRIC FUNCTION
Pins optional zulaessig, aber bei CPA-Stecker ohne elektrische Funktion

216 16 CUT OUT WITH PLAIN STAMPING EDGES
Ausschnitt mit blanken Stanzkanten

217 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

SERIES								
x- -1	x- -2	n/a	n/a	n/a	n/a	n/a	PN: 2312420 - suitable Receptacle Housing w/o CPA	
x- -1	x- -2	n/a	n/a	n/a	n/a	n/a	PN: 2312120 - suitable Receptacle Housing w/ CPA	
2	2	2	2	2	2	2	Solder Brackets (7)	-	-	Copper-Alloy	-	3
22	22	22	22	22	22	22	NanoMQS Pin (8)	-	-	Copper-Alloy	-	2
-	-	-	-	-	-	1	22Pos Header Assy	Z	A	PA4T-GF30	waterblue	5021	1
-	-	-	-	-	-	1	22Pos Header Assy	F	A	PA4T-GF30	brown	tbd	1
-	-	-	-	-	-	1	22Pos Header Assy	E	A	PA4T-GF30	green	tbd	1
-	-	-	-	-	-	1	22Pos Header Assy	D	A	PA4T-GF30	claret-violet	4004	1
-	-	-	-	-	-	1	22Pos Header Assy	C	A	PA4T-GF30	blue	5005	1
-	1	-	-	-	-	-	22Pos Header Assy	B	A	PA4T-GF30	nature	-	1
1	-	-	-	-	-	-	22Pos 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 PARTNUMBER						
2.54	2.54	~~2.52~~	~~2.55~~	2.54	~~2.54~~	~~2.48~~	Theoretical weight (gr.)						

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	Ajay Naik	08MAR2017
CHK	Kareppa. K	11APR2017
APVD	A. Burkhard	11APR2017
PRODUCT SPEC	108-94871 (A10)	
APPLICATION SPEC	-	
WEIGHT	-	

TE Connectivity

NAME: 22Pos. NanoMQS. Header Assy. 20Pos+CPA. 180deg. SMD

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A0	00779	C-2317537	-

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV A10

100% Inspection
CMK >= 1.67
Gauge Inspection

DIMENSIONS: mm
TOLERANCES UNLESS OTHERWISE SPECIFIED: 1 PLC ±, 2 PLC ±, 3 PLC ±, ANGLES ±°
MATERIAL -
FINISH -

0-2317537-1 AS SHOWN
wie gezeichnet

printed on 31 Mar 2023 15:00, Whitehead from TE12thA2