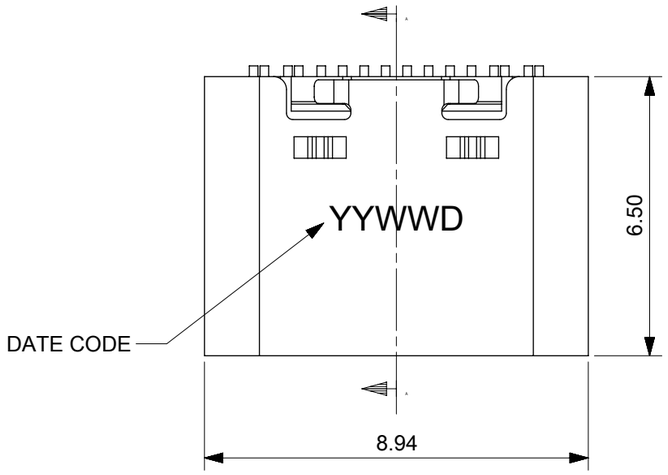
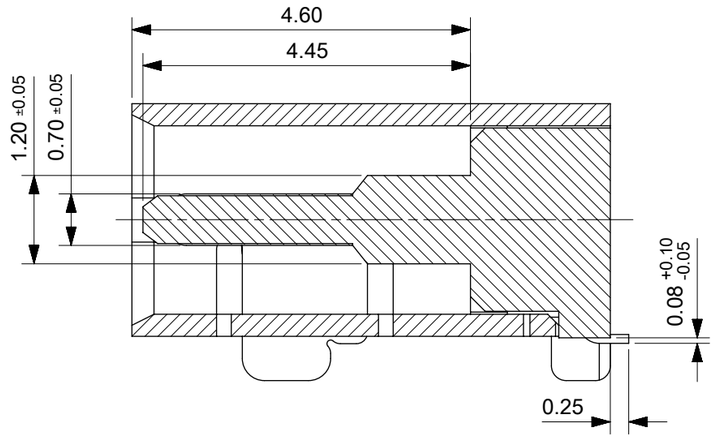
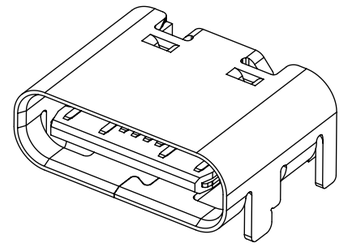
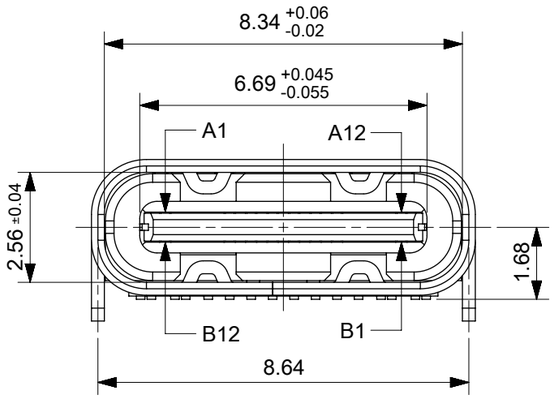
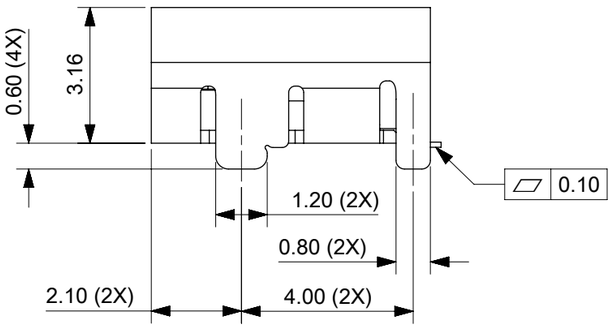


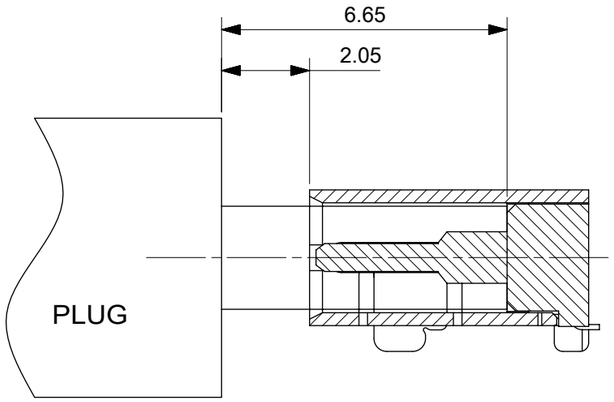


SECTION A-A

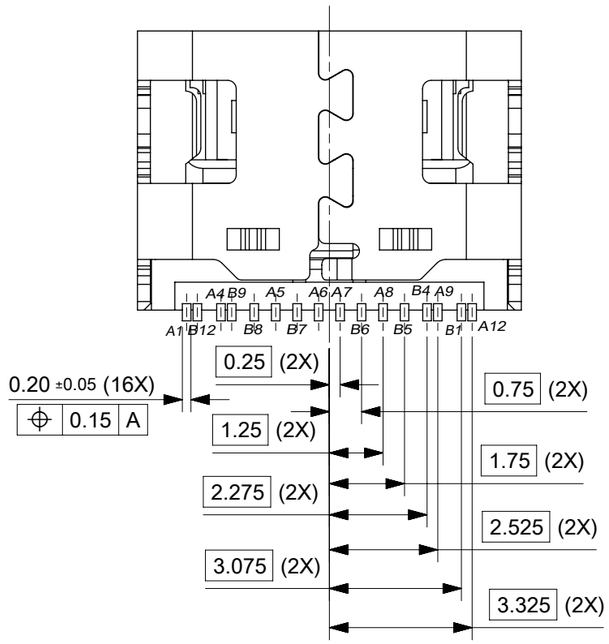








AFTER MATING



PART NO.	PLATING DESCRIPTION
2171790001	SEE NOTE 2(1) FOR CONTACT AREA

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	3.0 °
4 PLACES	±	
3 PLACES	±	0.1
2 PLACES	±	0.2
1 PLACE	±	0.3
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 657457
DRWN: RZHANG 2021/03/19
CHK'D: AYIN 2021/04/06
APPR: AYIN 2021/04/06

INITIAL REVISION:
DRWN: RZHANG 2021/01/19
APPR: AYIN 2021/02/05

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TYPE C 16 PIN TOP MOUNT SMT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2171790001	PSD	000	A1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	217179	SEE CHART		1 OF 2

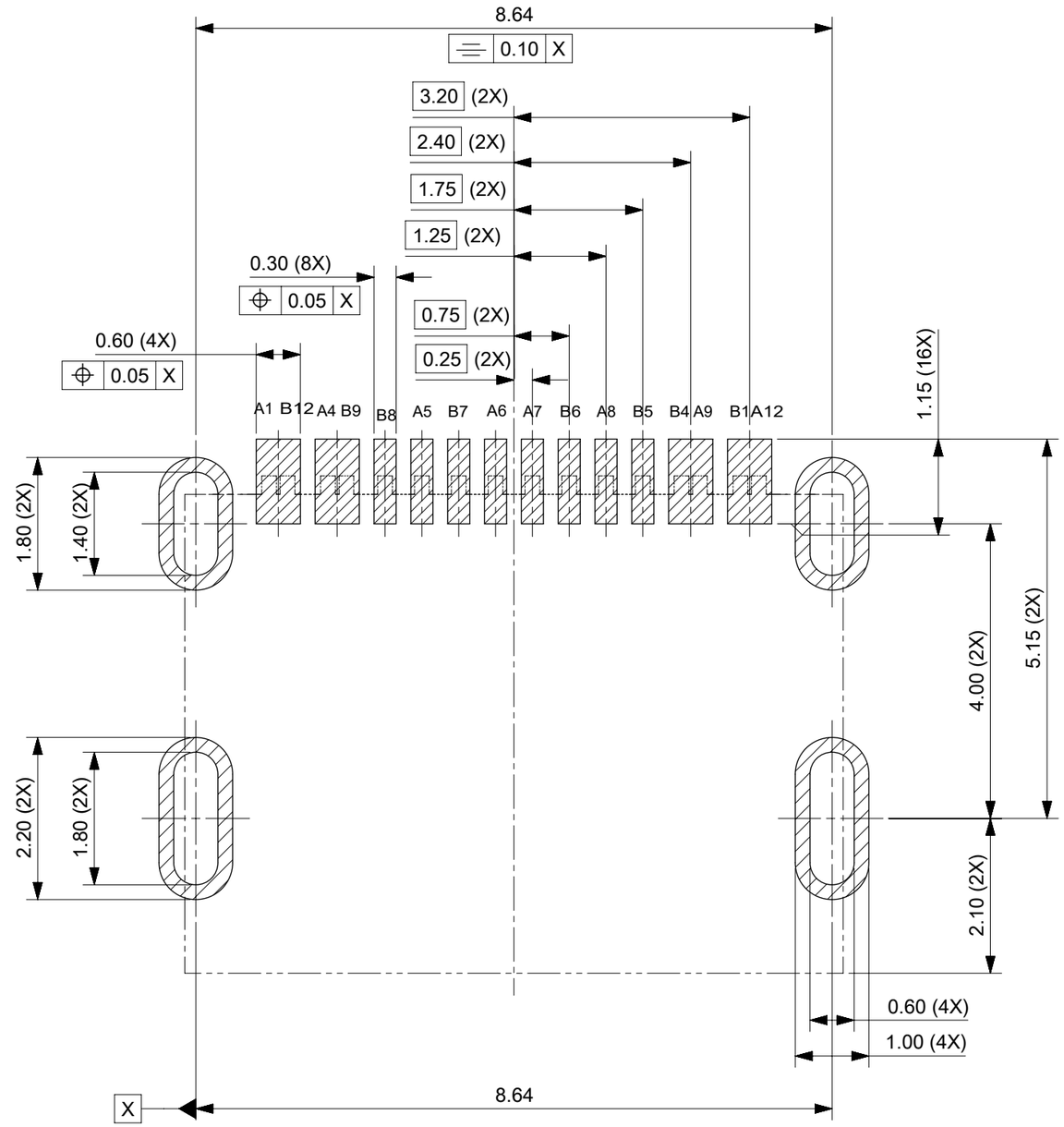
DOCUMENT STATUS	P1	RELEASE DATE	2021/04/06 04:58:59

FORMAT: master-lb-prod-A3
REVISION: J
DATE: 2020/01/14

NOTES:
1.MATERIAL SPECIFICATION:
1.1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
1.2.CONTACTS:COPPER ALLOY
1.3.MIDDLE CLIP: STAINLESS STEEL
1.4.SHELL: STAINLESS STEEL
2.PLATING:
2.1 TERMINAL:OVERALL PLATING Ni BASE 50u' MIN.
FUNCTIONAL AREA Au PLATING G/F
SOLDER AREA Au PLATING G/F
2.2. SHELL: 50u' NICKEL PLATING ON SOLDERING AREA.
2.3. MIDDLE CLIP :CLEANING
3. PRODUCT SPEC: 2169900001
4. PACKAGE SPEC: 2171790001PDDPK1
5. PRODUCT COMPIANT TO ROHS DIRECTIVE 2011/95/EU
6. PLEASE CONTACT YOUR SALES REPRESENTATIVE IF INTENDED FOR AUTOMOTIVE
7. DATE CODE: YY WW D
YEAR WEEK DAY

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 0.60MM;DEFAULT TOLERANCE:±0.05

Two differential pair bcs you can put usb-c in 2 ways

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DIMENSION UNITS	mm
SCALE	1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 3.0 °
4 PLACES	±
3 PLACES	± 0.1
2 PLACES	± 0.2
1 PLACE	± 0.3
0 PLACES	±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 657457
DRWN: RZHANG 2021/03/19
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INITIAL REVISION:
DRWN: RZHANG 2021/01/19
APPR: AYIN 2021/02/05

molex

TYPE C 16 PIN TOP MOUNT SMT

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2171790001	PSD	000	A1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	217179	SEE CHART		2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2021/04/06 04:58:59

FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14