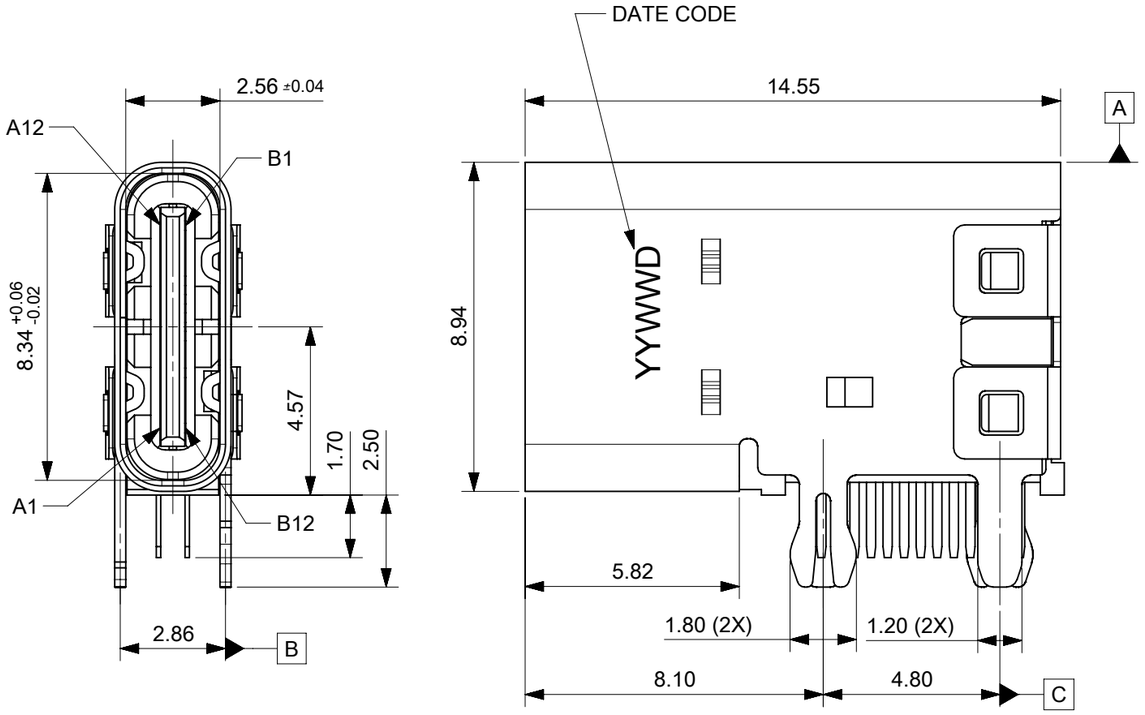
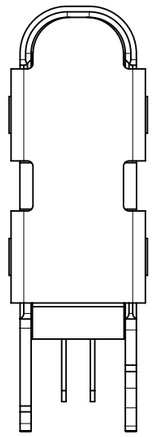
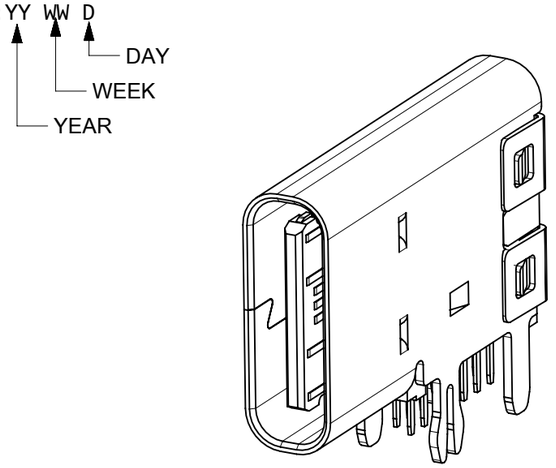








PART NO:2169890001
2169890011

NOTE:
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
1.5.COVER SHELL:STAINLESS STEEL
2.PLATING:
2.1 TERMINAL:OVERALL PLATING Ni BASE 50u'~150u'.
FUNCTIONAL AREA Au PLATING SEE P/N
SOLDER AREA Au PLATING G/F
2.2. COVER SHELL:PLATING NICKEL 50u'~200u' ON SOLDERING AREA.
2.3. MIDDLE CLIP/BACK SHELL :CLEANING
3. PRODUCT SPEC:2171790003PS000
4. PACKAGE SPEC:2169890001PDDPK1&2169890001PDDPK2
5.PLEASE CONTACT YOUR SALES REPRESENTATIVE
IF INTENDED FOR AUTOMOTIVE
6. 2169890001 FOR MANUAL PICKING & PLACE ONLY
7. 2169890002 FOR PIP PROCESS
8. DATE CODE:YY WW D

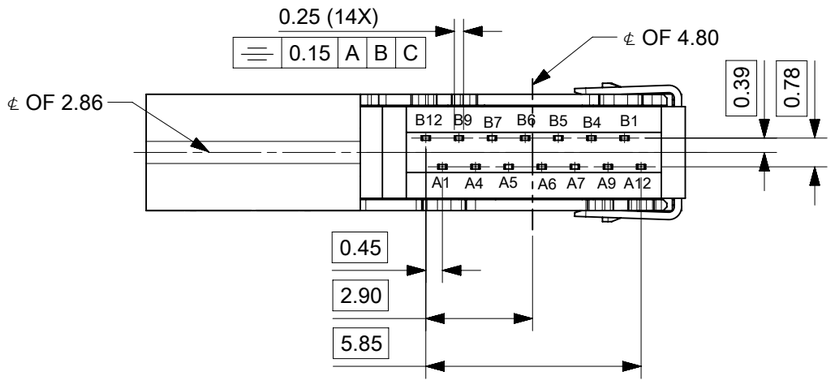


TABLE 1

PART NO.	CONTACT FUNCTIONAL ARER PLATED	SHEET	PACKAGE SPEC	REMARK
2169890001	GOLD FLASH	1 OF 4	2169890001PDDPK1	SEE NOTE 6
2169890011	30u' GOLD PLATING	1 OF 4		

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

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FB = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 6:1
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: CHANGE ITS PS TO 2171790003PS000.
EC NO: 858072
DRWN: FYANG05 2026/06/10
CHK'D: RLI09 2026/06/16
APPR: RLI09 2026/06/16
INITIAL REVISION:
DRWN: RZHANG 2020/09/29
APPR: AYIN 2021/02/05

THIRD ANGLE PROJECTION
DRAWING: A3-SIZE
SERIES: 216989
MATERIAL NUMBER: 2169890001
CUSTOMER:
SHEET NUMBER: 1 OF 4

molex

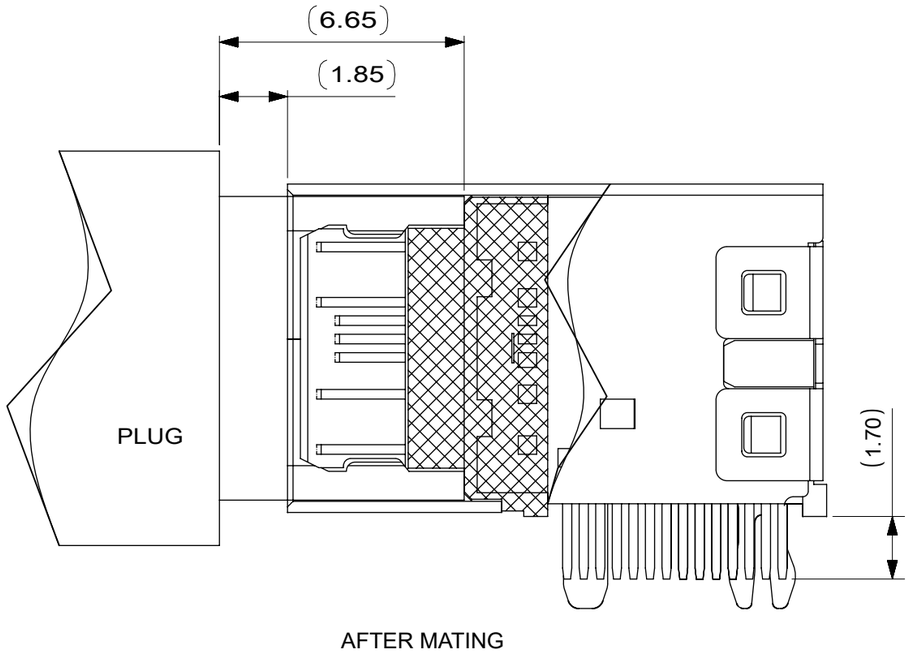
USB TYPE C UPRIGHT 14 PIN

PRODUCT CUSTOMER DRAWING

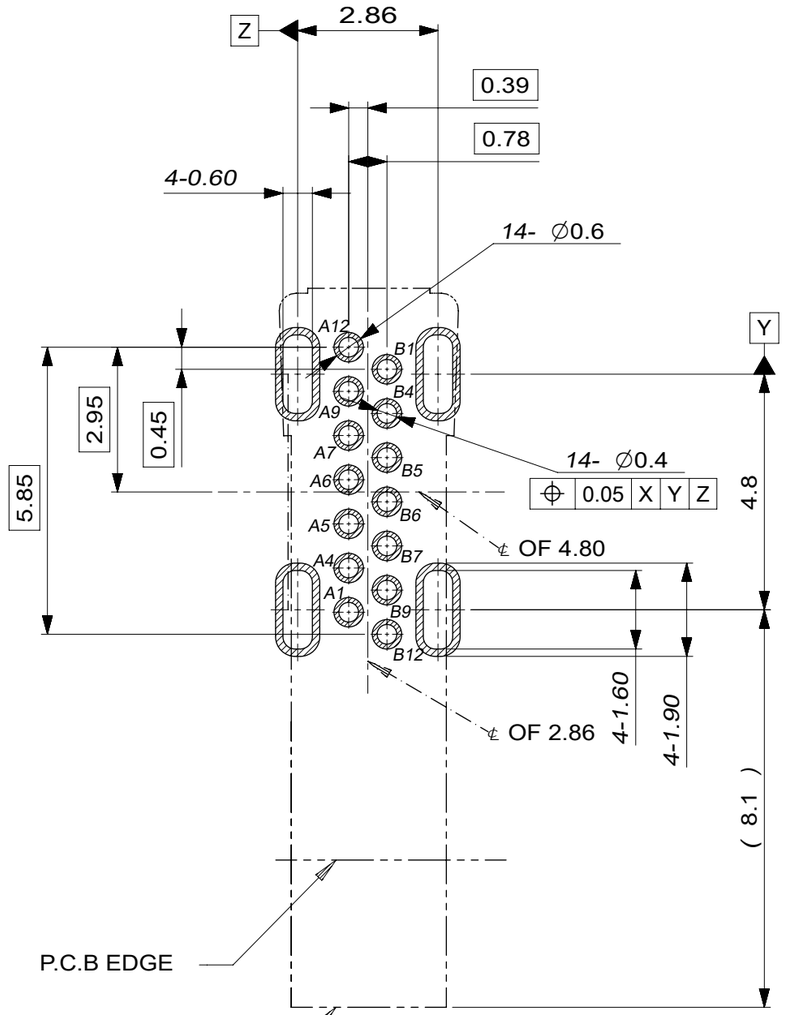
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2169890001	PSD	000	C

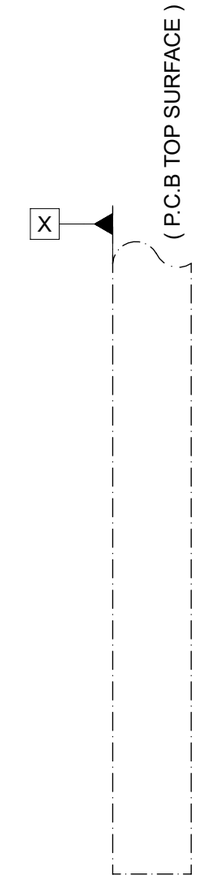
DOCUMENT STATUS	P1	RELEASE DATE	2026/06/16 09:40:19

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



AFTER MATING





RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS IS 1.40, DEFAULT TOLERANCE:±0.05
FOR PART NO: 216989 0001/0011

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME
A1	GND
A4	VBUS
A5	CC1
A6	Dp1
A7	Dn1
A9	VBUS
A12	GND

PIN NUMBER	SIGNAL NAME
B12	GND
B9	VBUS
B7	Dn2
B6	Dp2
B5	CC2
B4	VBUS
B1	GND

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

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: CHANGE ITS PS TO 2171790003PS000.

EC NO: 858072
DRWN: FYANG05 2026/06/10
CHK'D: RLI09 2026/06/16
APPR: RLI09 2026/06/16

INITIAL REVISION:
DRWN: RZHANG 2020/09/29
APPR: AYIN 2021/02/05

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 216989

molex

USB TYPE C UPRIGHT 14 PIN

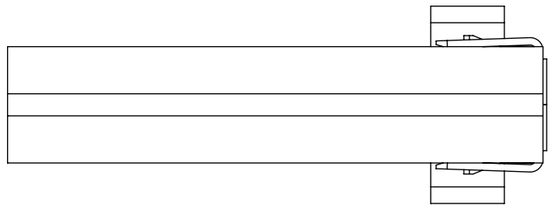
PRODUCT CUSTOMER DRAWING

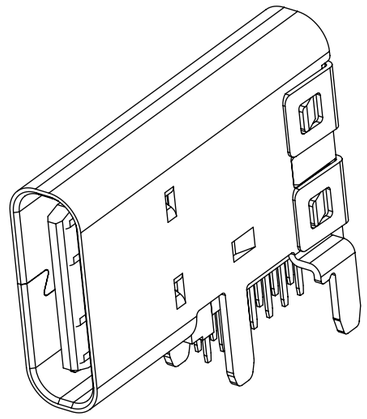
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2169890001	PSD	000	C

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
2169890001		2 OF 4

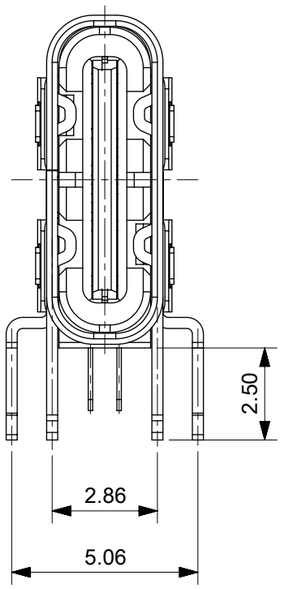
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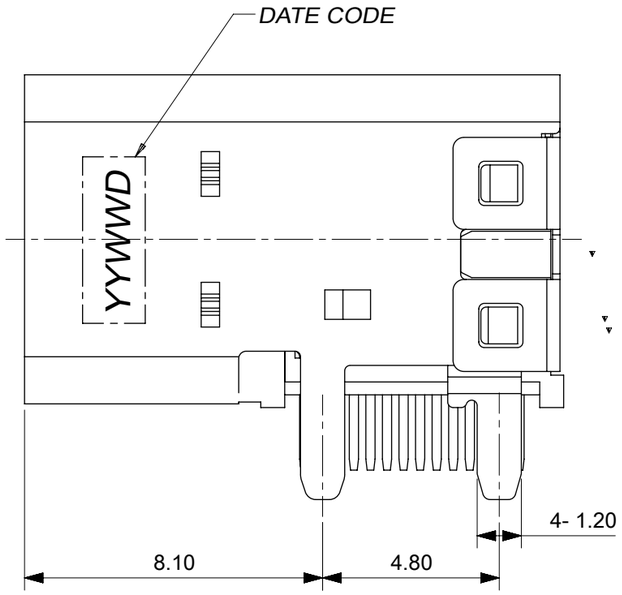
FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

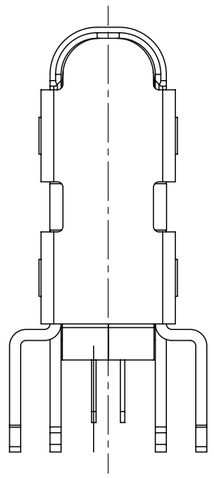


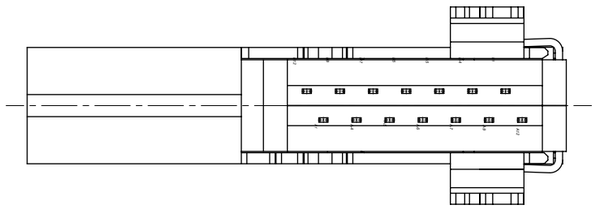


PART NO:2169890002
2169890022









NOTES:
UNSPECIFIED DIMENSIONS FOLLOW 2169890001 IN SHEET 1 OF 4.

TABLE 2

PART NO.	CONTACT FUNCTIONAL ARER PLATED	SHEET	PACKAGE SPEC	REMARK
2169890002	GOLD FLASH	3 OF 4	2169890002PDDPK1	SEE NOTE 7
2169890022	30u' GOLD PLATING	3 OF 4		

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

FUNCTIONAL SYMBOLS
EA = 0
EC = 0
EP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: CHANGE ITS PS TO 2171790003PS000.

EC NO: 858072
DRWN: FYANG05 2026/06/10
CHK'D: RLI09 2026/06/16
APPR: RLI09 2026/06/16

INITIAL REVISION:
DRWN: DRAWN BY 0099/99/99
APPR: APPR BY 0099/99/99

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 216989

molex

USB TYPE C UPRIGHT 14 PIN

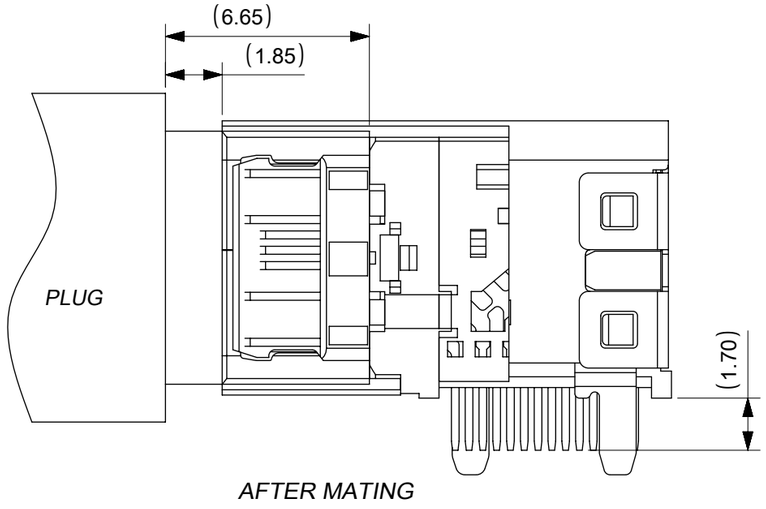
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
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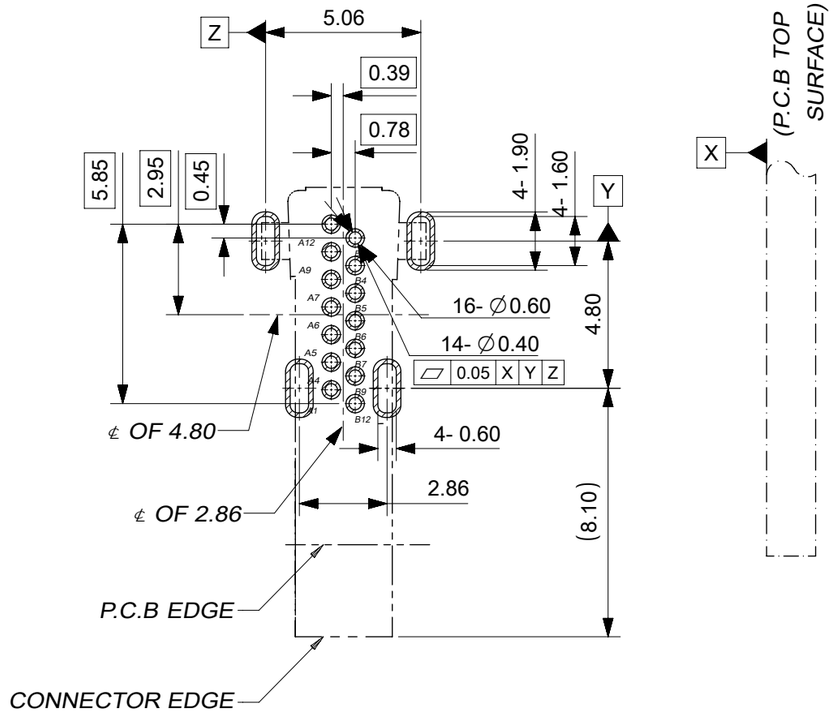
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		3 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2026/06/16 09:40:19

FORMAT: Met-lega-master-lb-prod-A3
REVISION: E1
DATE: 2021/05/01



AFTER MATING



USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME
A1	GND
A4	VBUS
A5	CC1
A6	Dp1
A7	Dn1
A9	VBUS
A12	GND

PIN NUMBER	SIGNAL NAME
B12	GND
B9	VBUS
B7	Dn2
B6	Dp2
B5	CC2
B4	VBUS
B1	GND

RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS IS 1.40, DEFAULT TOLERANCE:±0.05
FOR PART NO: 216989 0002/0022

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

FUNCTIONAL SYMBOLS
EA= 0
EC= 0
EP= 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: CHANGE ITS PS TO 2171790003PS000.

EC NO: 858072
DRWN: FYANG05 2026/06/10
CHK'D: RLI09 2026/06/16
APPR: RLI09 2026/06/16

INITIAL REVISION:
DRWN: DRAWN BY 0099/99/99
APPR: APPR BY 0099/99/99

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 216989

molex

USB TYPE C UPRIGHT 14 PIN

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2169890001	PSD	000	C

MATERIAL NUMBER | CUSTOMER | SHEET NUMBER: 4 OF 4

DOCUMENT STATUS	P1	RELEASE DATE	2026/06/16 09:40:19

FORMAT: Met-lega-master-tb-prod-A3
REVISION: E1
DATE: 2021/05/01