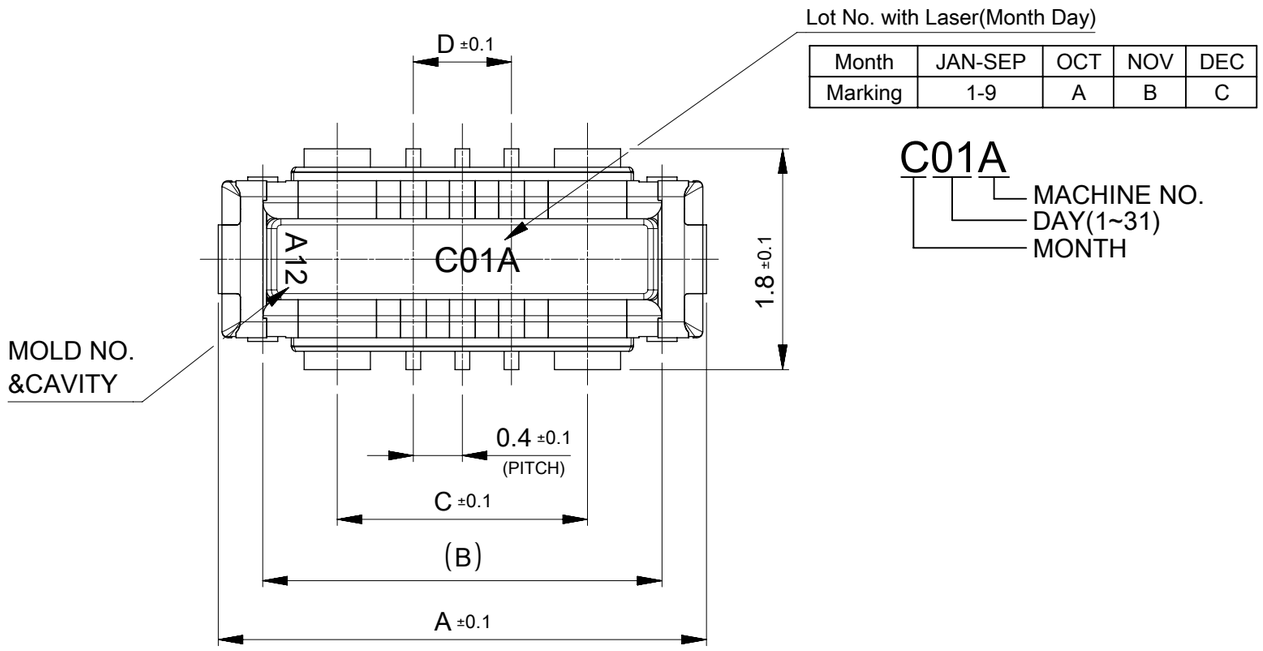
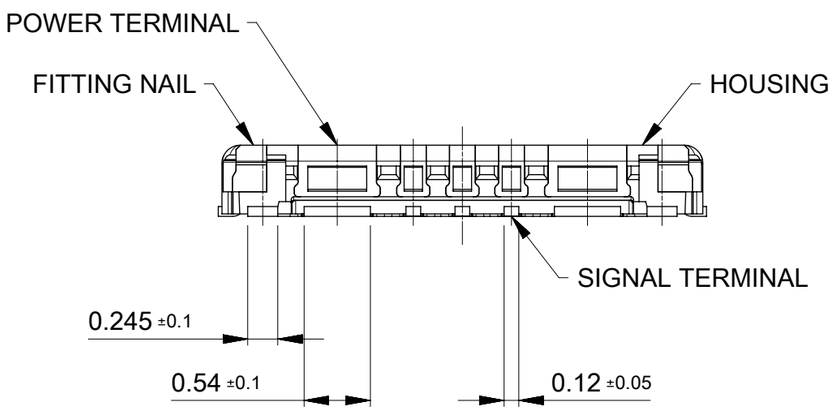
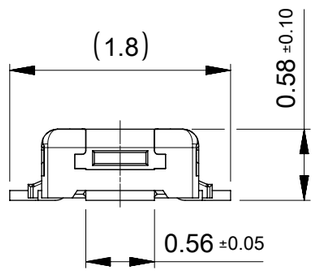


Month	JAN-SEP	OCT	NOV	DEC
Marking	1-9	A	B	C

C01A
- MACHINE NO.
- DAY(1~31)
- MONTH





NOTES
1. MATERIAL
   HOUSING : LIQUID CRYSTAL POLIMER UL94V-0 (COLOR : BLACK)
   TERMINAL : COPPER ALLOY
   FITTING NAIL : COPPER ALLOY
2. PLATING
   TERMINAL :
   CONTACT AREA : SEPERATED GOLD PLATING(0.1μm MINIMUM)
   SOLDER TAIL AREA : SEPERATED GOLD PLATING(0.05μm MINIMUM)
   UNDER PLATING : NICKEL OVERALL(1.0μm MINIMUM)
   * DIVIED INTO PARTS THE GOLD PLATING OF THE CONTACT AND THE TAIL PART BY THE NICKEL PLATING.
   FITTING NAIL :
   CONTACT AREA : SEPERATED GOLD PLATING(0.1μm MINIMUM)
   SOLDER TAIL AREA : SEPERATED GOLD PLATING(0.05μm MINIMUM)
   UNDER PLATING : NICKEL OVERALL(1.0μm MINIMUM)
   * DIVIED INTO PARTS THE GOLD PLATING OF THE CONTACT AND THE TAIL PART BY THE NICKEL PLATING.
3. MATE WITH : 2166560**0
4. TAIL AND FITTING NAIL COPLANARITY TO BE 0.08 MAXIMUM.
5. PROHIBITED AREA OF PATTERN WIRING AND SOLDER.
   (FOR EACH AREA, THE WIRING THAT TOUCHES ON THE SOLDER CAN BE ATTACHED, THEN COVERED WITH A FILM TO KEEP SOLDER OUT)

0.80	2.04	3.26	3.98	2166570109	O	---	6+4P
D	C	(B)	A	EMBOSSED TAPE PACKAGE	HIGH VOL. TOOL	LOW VOL. TOOL	Ckts
				ORDER No.	SAMPLE PREPARATION O : TOOLED □ : WORK PROCESS --- : TOOLING TO BE CONFIRMED		
CONNECTOR SERIES No. : 2166570**0							

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	SCALE
mm	20:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 676351
DRWN: BKBAE 2021/09/02
CHK'D: SHCHU 2021/09/03
APPR: SHCHU 2021/09/03

INITIAL REVISION:
DRWN: JHCHANG 2020/10/26
APPR: SHCHU 2021/09/03

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 216657

molex

0.4 BB CONN. H=0.7 NEW GCB7 PLUG ASSY FOR BATTERY(15A)

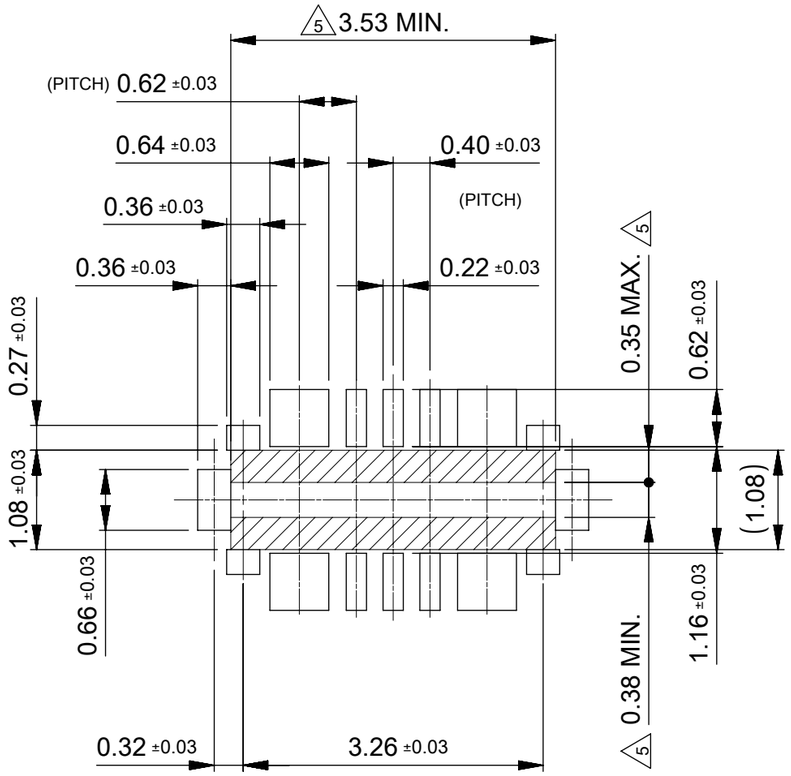
PRODUCT CUSTOMER DRAWING

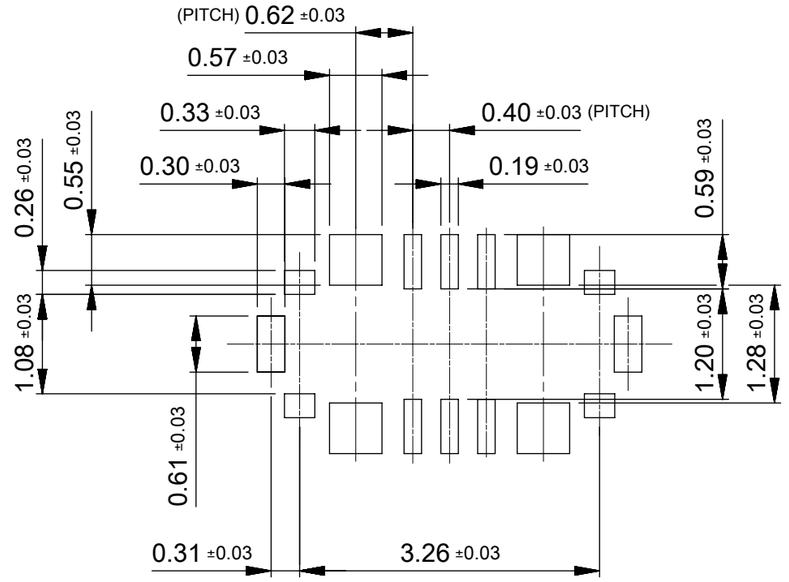
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2166570100-SD	PSD	001	A2

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2021/09/03 06:30:17

FORMAT: tb-prod-A3-...
REVISION: J
DATE: 2020/01/16



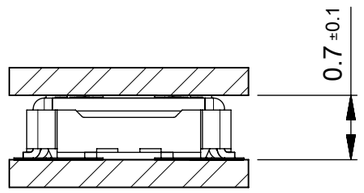


RECOMMENDED P.C.BOARD PATTERN LAYOUT
(FOR REFERENCE)

SOLDERING PROHIBITED AREA.
WHEN WIRING IS LOCATED,
THE WIRING MUST BE MASKED BY COVER LAY OR RESIST FILM.

RECOMMENDED METAL MASK LAYOUT
(FOR REFERENCE)

RECOMMENDED THICKNESS : 0.08mm
RECOMMENDED APERTURE DIMENSION IS JUST SAME AS SHOWN FIGURE ABOVE.
FOR THIS DIMENSION, APERTURE RATIO ARE POWER, SIGNAL TERMINAL 55% AND FITTING NAIL 80%.



MATING CONDITION

THIS DIMENSION SHOWS A DIMENSION BETWEEN THE TAIL TO TAIL.

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, FD = 0
DIVISIONAL SYMBOLS	
DIMENSION UNITS	mm
SCALE	15:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 3.0 °
4 PLACES	± 0.1
3 PLACES	± 0.1
2 PLACES	± 0.1
1 PLACE	± 0.1
0 PLACES	± 0.2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 676351
DRWN: BKBAE 2021/09/02
CHK'D: SHCHU 2021/09/03
APPR: SHCHU 2021/09/03

INITIAL REVISION:
DRWN: JHCHANG 2020/10/26
APPR: SHCHU 2021/09/03

molex

0.4 BB CONN. H=0.7 NEW GCB7 PLUG ASSY FOR BATTERY(15A)

PRODUCT CUSTOMER DRAWING

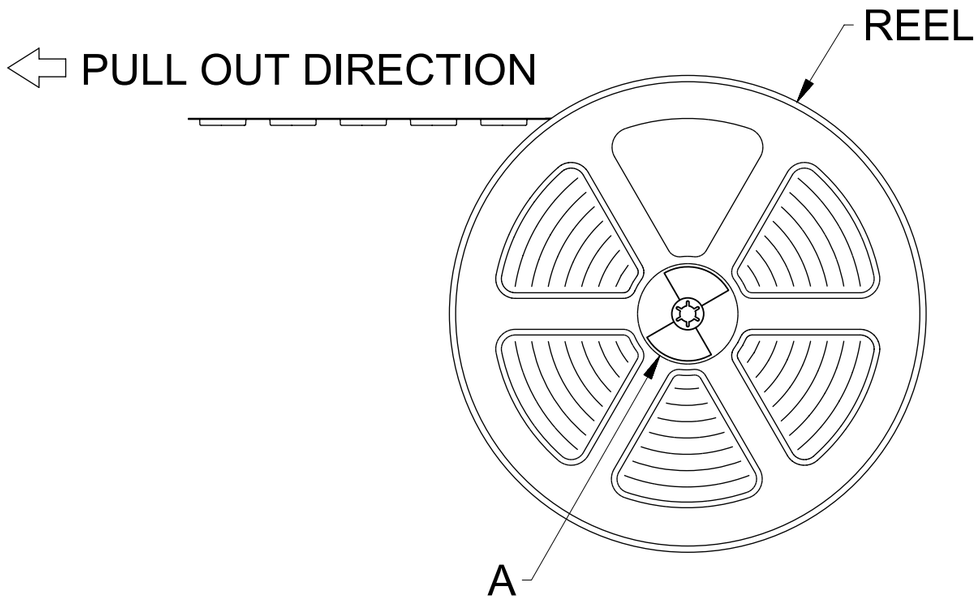
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2166570100-SD	PSD	001	A2

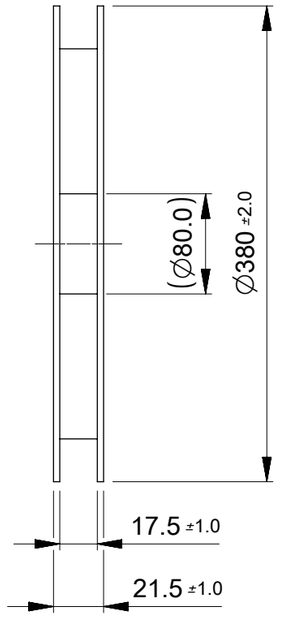
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	216657	SEE CHART	GENERAL	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2021/09/03 06:30:17

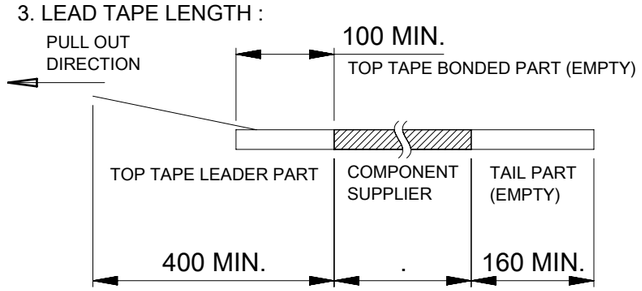
FORMAT: master_Sheet-A3
REVISION: J
DATE: 2020/01/1

GENERAL DRAWING

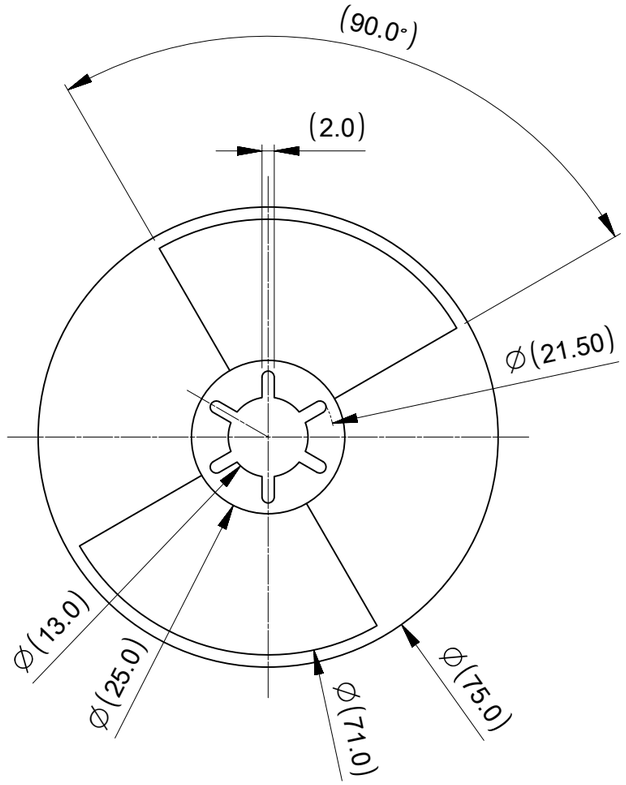




NOTES
1. RE DETAILED DIMESION, SEE PRODUCT DRAWING.
2. NUMBER OF CONNECTORS : 15,000PCS/REEL
3. LEAD TAPE LENGTH :



4. PEEL OFF FORCE OF THE TOP TAPE IS DEFINDED BY IEC 60286-3.
5. MATERIAL
   - CARRIER TAPE : POLYSTYRENE OR PET
   - TOP TAPE : PET, OTHER
   - REEL : POLYSTYRENE(PS) [RECYCLE MATERIAL CONTAINED]



DETAIL "A"

DOCUMENT STATUS	P1	RELEASE DATE	2025/10/21 00:23:53						

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

9	8	7	6	5	4	3	2	1	

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

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	±	0.1
3 PLACES	±	0.1
2 PLACES	±	0.1
1 PLACE	±	0.1
0 PLACES	±	0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 837876
DRWN: JSLEE04 2025/10/20
CHK'D: JSLEE04 2025/10/20
APPR: JBJIN 2025/10/21

INITIAL REVISION:
DRWN: JSLEE04 2025/10/20
APPR: JBJIN 2025/10/21

molex

0.4 BTB CONN. H=0.7 GCB7X PLUG ASSY
EMBOSSED TAPE PACKAGE

PRODUCT CUSTOMER DRAWING

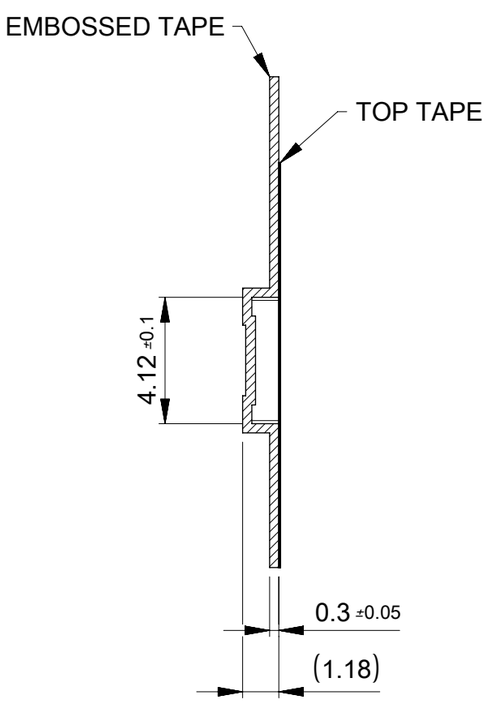
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2166570109-SD	PSD	000	A

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 216657

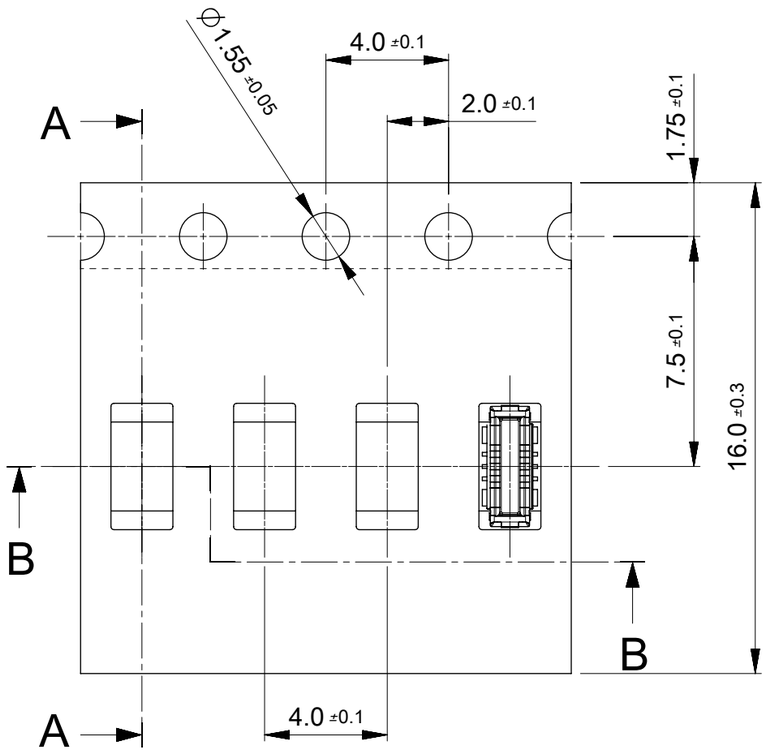
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL	1 OF 2

GENERAL DRAWING

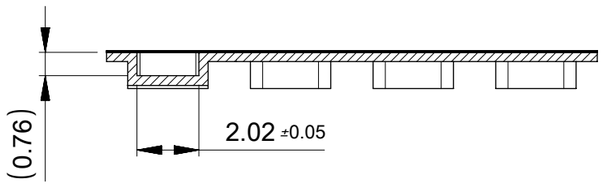
PULL OUT DIRECTION



SECTION A-A



(ACCUMULATIVE : PITCH 40±2)



SECTION B-B

2166570109	O	---	6+4P
EMBOSSED TAPE PACKAGE	HIGH VOL. TOOL	LOW VOL. TOOL	Ckts
ORDER No.	SAMPLE PREPARATION O : TOOLED □ : WORK PROCESS --- : TOOLING TO BE CONFIRMED		

CONNECTOR SERIES No. : 2166570**0

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	SCALE
mm	5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 837876
DRWN: JSLEE04 2025/10/20
CHK'D: JSLEE04 2025/10/20
APPR: JBJIN 2025/10/21

INITIAL REVISION:
DRWN: JSLEE04 2025/10/20
APPR: JBJIN 2025/10/21

molex

0.4 BTB CONN. H=0.7 GCB7X PLUG ASSY
EMBOSSED TAPE PACKAGE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2166570109-SD	PSD	000	A

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 216657

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2025/10/21 00:23:53

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