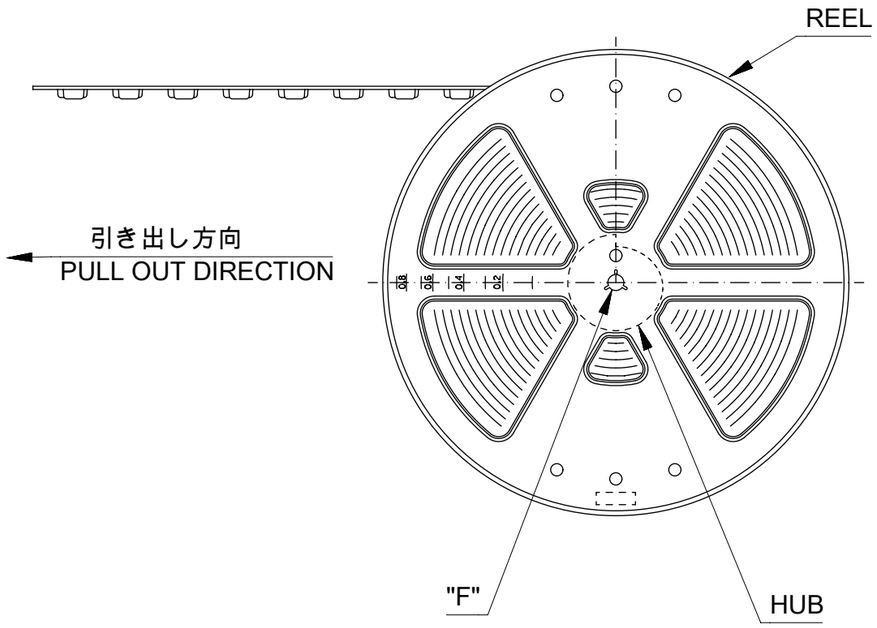
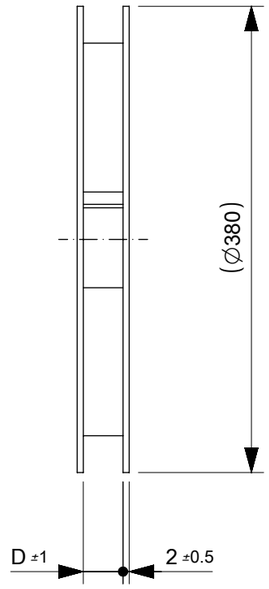
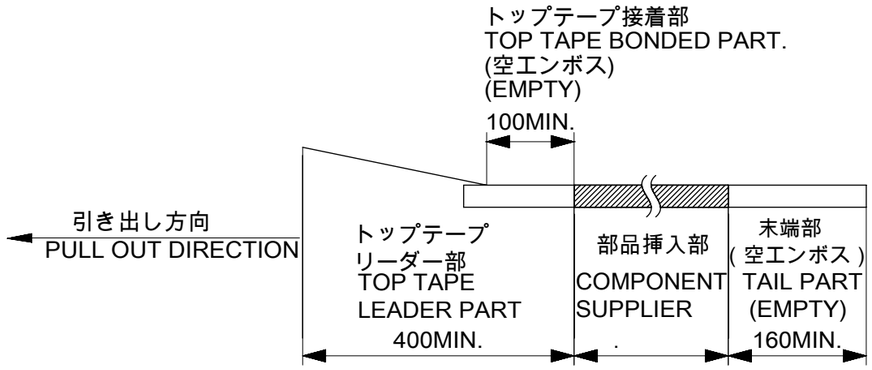


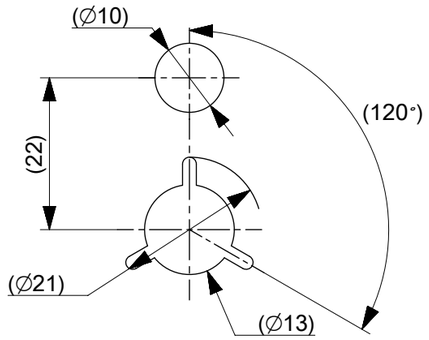


NOTES

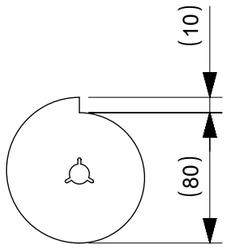
1. 梱包数量： 900個 / リール
   NUMBER OF CONNECTORS : 900 PCS/REEL.
2. リードテープ長さ
   LEAD TAPE LENGTH.



3. 製品詳細寸法については図面 5018641002 DOC.PART 000を参照下さい。
   RE DETAILED DIMENSION, SEE 5018641002 DOC.PART 000.
4. 材料(MATERIAL)
   キャリアテ-プ(CARRIER TAPE) : ポリスチレン(POLYSTYRENE)
   トップテ-プ(TOP TAPE) : PET, PE, PE
   リ-ル(REEL) : ポリスチレン(POLYSTYRENE)
5. ELV及びRoHS適合品
   ELV AND RoHS COMPLIANT



DETAIL "F"



HUB

501864**91 | MODEL NO.

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

DIMENSION UNITS	SCALE
mm	NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 1.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.2
1 PLACE	± 0.2
0 PLACES	± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 640427
DRWN: NINOUE01 2020/06/29
CHK'D: HSHIMOYAMA 2020/07/01
APPR: SHOSHIKAWA 2020/07/01

INITIAL REVISION:
DRWN: KMKERUR 2016/02/22
APPR: NUKITA 2016/04/27

molex

EMBSTP PKG FOR
0.5 FFC TO BOARD ST TYPE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5018640002	PSD	000	C

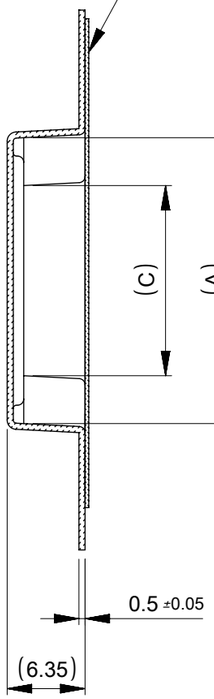
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	501864		GENERAL MARKET	1 OF 3

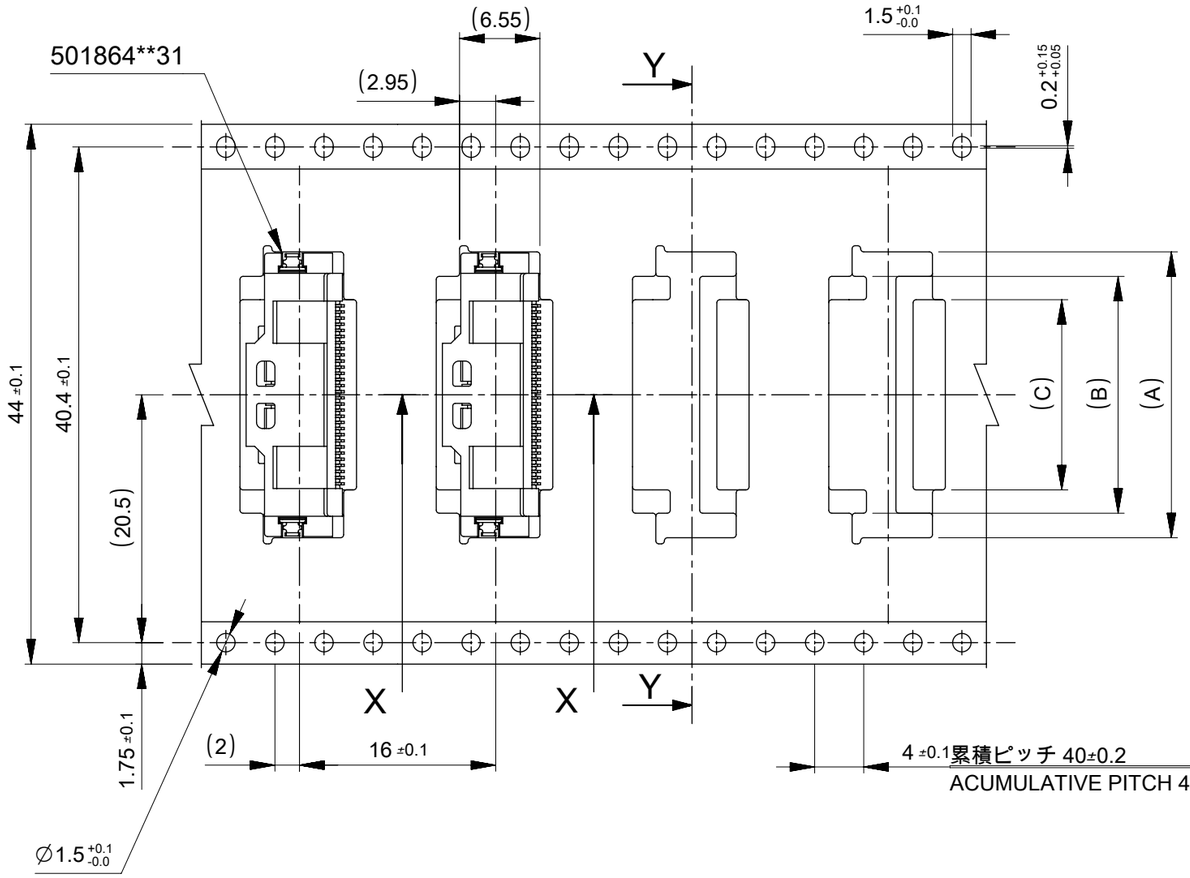
DOCUMENT STATUS	P1	RELEASE DATE	2020/07/01 10:09:47

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

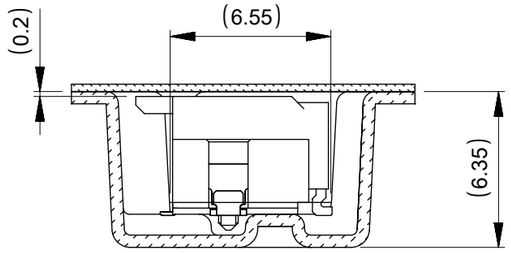
引き出し方向
PULL OUT DIRECTION

トップテープ
TOP TAPE





44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE



SECT. X-X

SECT. Y-Y

キャリアテープ幅 CARRIER TAPE WIDTH	D	C	B	A	製品番号 MATERIAL NO.	極数 CKT
44	45.4	20.6	24.3	28.3	5018644091	40
		15.6	19.3	23.3	5018643091	30

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

DIMENSION UNITS	mm
SCALE	NTS
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL ±	1.0 °
4 PLACES ±	
3 PLACES ±	
2 PLACES ±	0.2
1 PLACE ±	0.2
0 PLACES ±	0.2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 640427
DRWN: NINOUE01 2020/06/29
CHK'D: HSHIMOYAMA 2020/07/01
APPR: SHOSHIKAWA 2020/07/01

INITIAL REVISION:
DRWN: KMKERUR 2016/02/22
APPR: NUKITA 2016/04/27

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 501864

molex

EMBSTP PKG FOR
0.5 FFC TO BOARD ST TYPE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5018640002	PSD	000	C

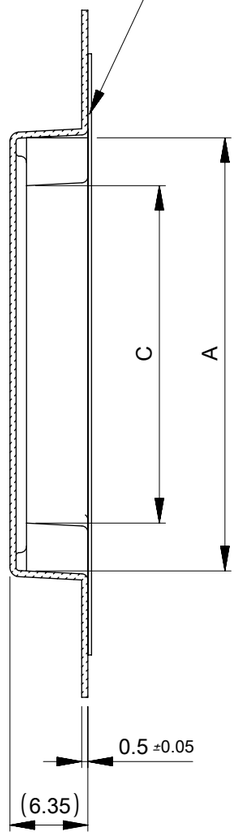
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2020/07/01 10:09:47

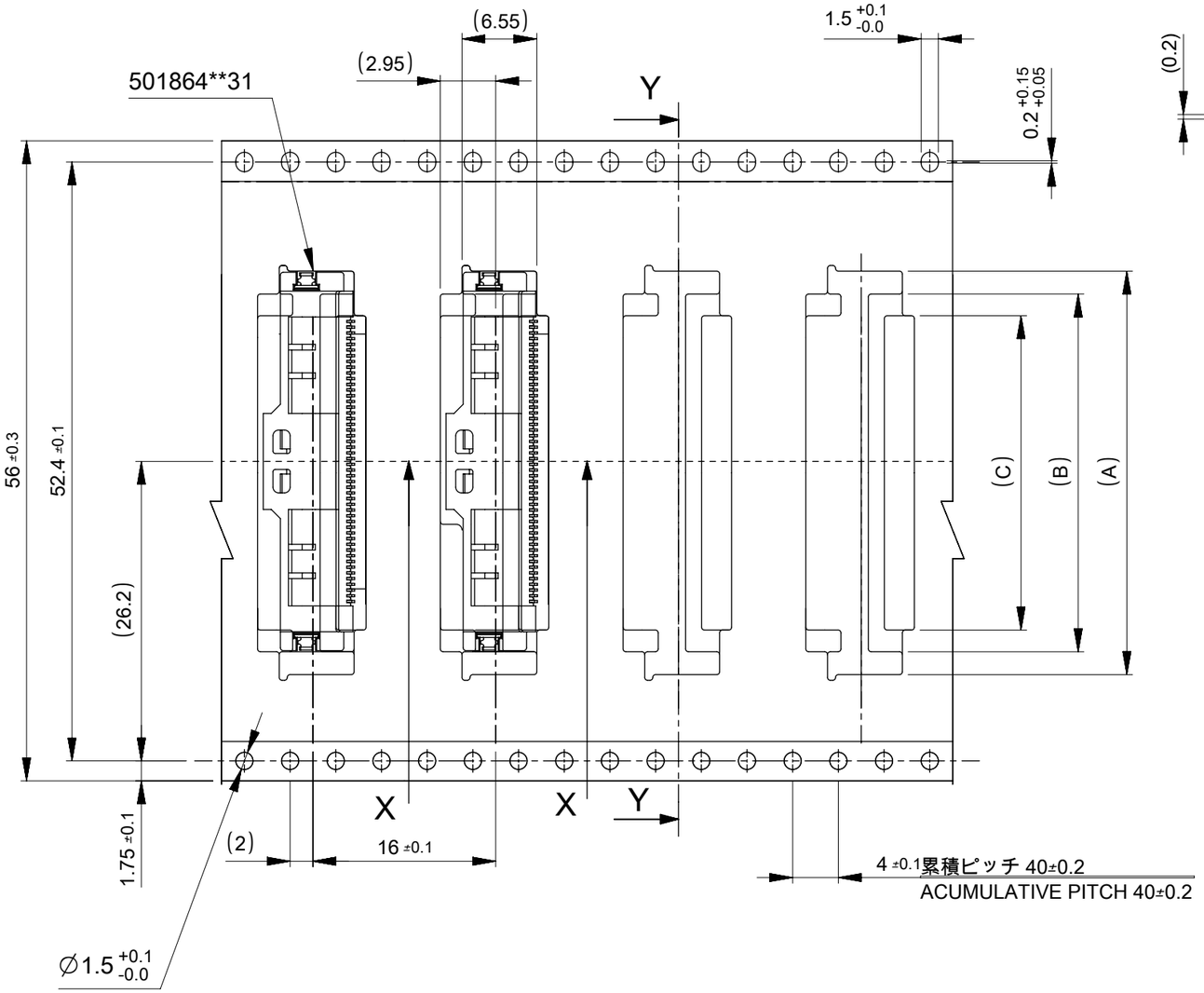
FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

引き出し方向
PULL OUT DIRECTION

トップテープ
TOP TAPE

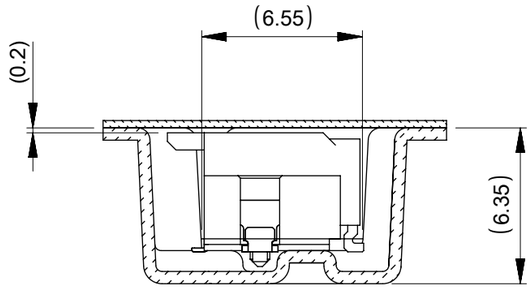


SECT. Y-Y



累積ピッチ 40±0.2
ACUMULATIVE PITCH 40±0.2

56mm幅キャリアテープ
56mm WIDTH CARRIER TAPE



SECT. X-X

56	57.4	25.6	29.3	33.3	5018645091	50
キャリアテープ幅 CARRIER TAPE WIDTH	D	C	B	A	製品番号 MATERIAL NO.	極数 CKT

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

DIMENSION UNITS	mm
SCALE	NTS
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 1.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.2
1 PLACE	± 0.2
0 PLACES	± 0.2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 640427
DRWN: NINOUE01 2020/06/29
CHK'D: HSHIMOYAMA 2020/07/01
APPR: SHOSHIKAWA 2020/07/01

INITIAL REVISION:
DRWN: KMKERUR 2016/02/22
APPR: NUKITA 2016/04/27

molex

EMBSTP PKG FOR
0.5 FFC TO BOARD ST TYPE

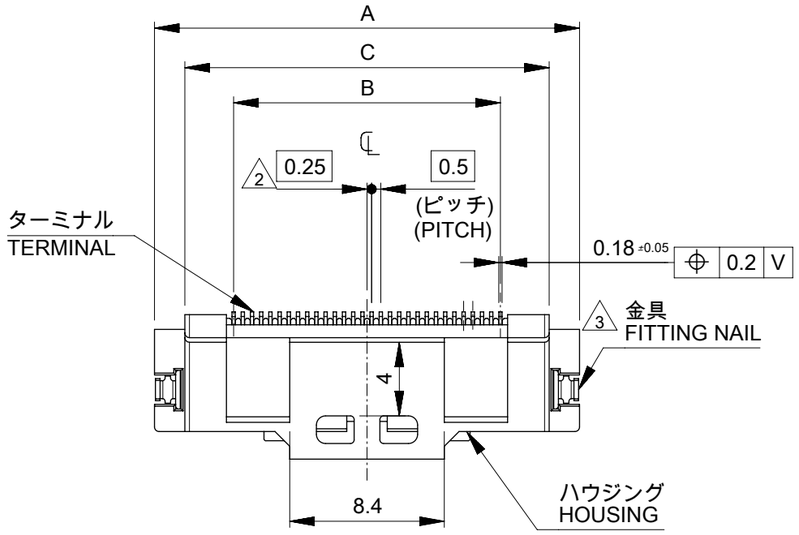
PRODUCT CUSTOMER DRAWING

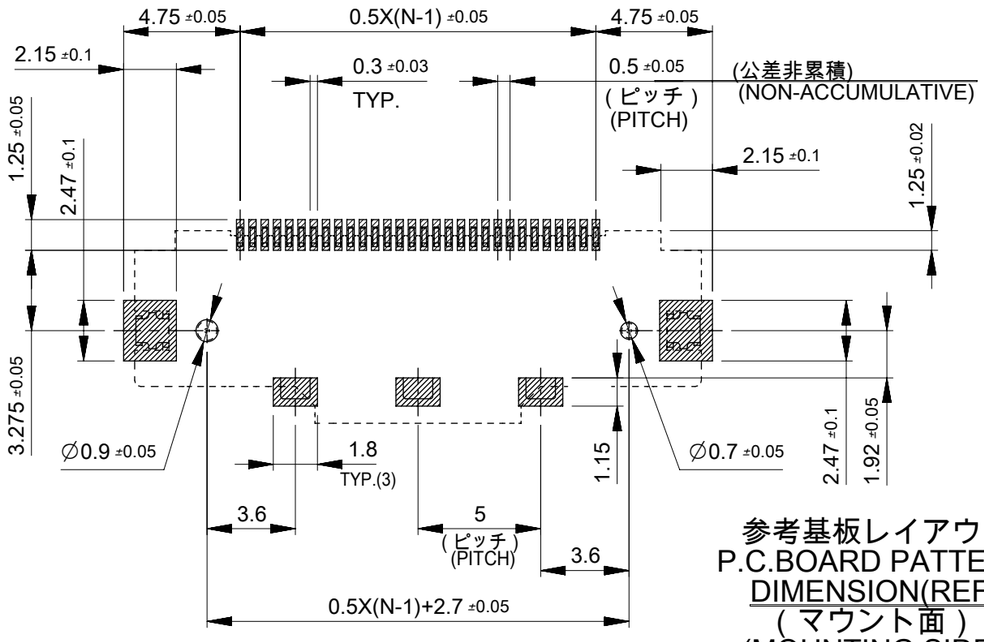
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5018640002	PSD	000	C

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	501864		GENERAL MARKET	3 OF 3

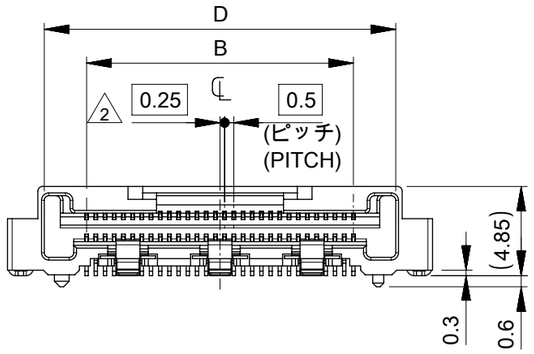
DOCUMENT STATUS	P1	RELEASE DATE	2020/07/01 10:09:47

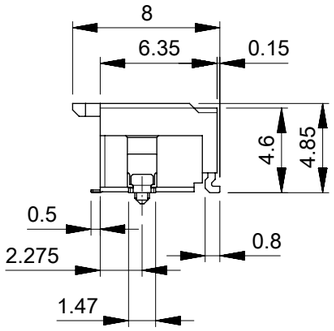
FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

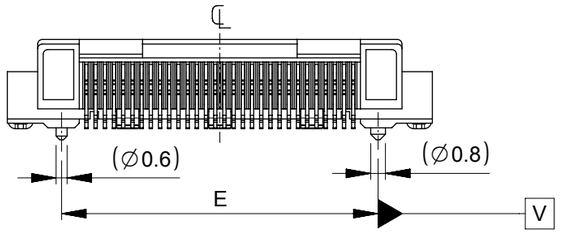


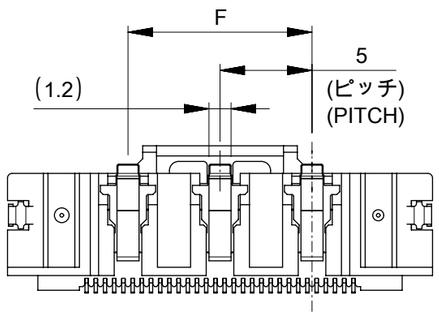


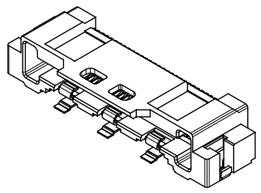
参考基板レイアウト
P.C.BOARD PATTERN
DIMENSION(REF.)
(マウント面)
(MOUNTING SIDE)











5	20	27.2	29.1	29.8	24.5	33.1	5018645091	50
4	15	22.2	24.1	24.8	19.5	28.1	5018644091	40
3	10	17.2	19.1	19.8	14.5	23.1	5018643091	30
QTY OF GROUND TERMINAL	F	E	D	C	B	A	EMBOSSED TAPE PKG. ORDER No. オーダー番号	極 数 CKTS

CONNECTOR SERIES No. 501864**31

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

DIMENSION UNITS	SCALE
mm	3:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.2
1 PLACE	±	0.2
0 PLACES	±	0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 640427
DRWN: NINOUE01 2020/06/29
CHK'D: HSHIMOYAMA 2020/07/01
APPR: SHOSHIKAWA 2020/07/01

INITIAL REVISION:
DRWN: KMKERUR 2016/02/24
APPR: NUKITA 2016/04/27

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 501864

molex

0.5 FFC TO BOARD CONN
REC. HSG ASSY(RA)

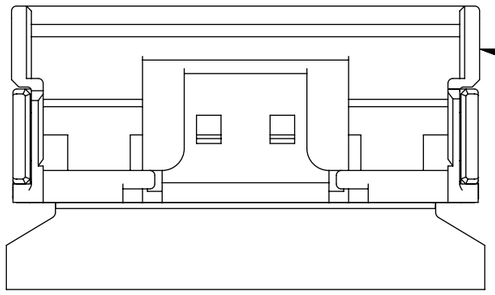
PRODUCT CUSTOMER DRAWING

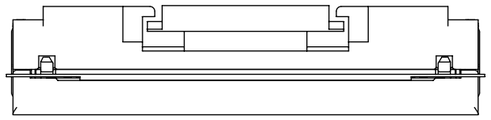
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5018641002	PSD	000	C

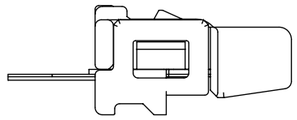
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	1 OF 3

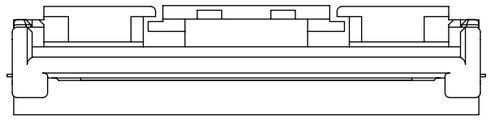
DOCUMENT STATUS	P1	RELEASE DATE	2020/07/01 10:09:49

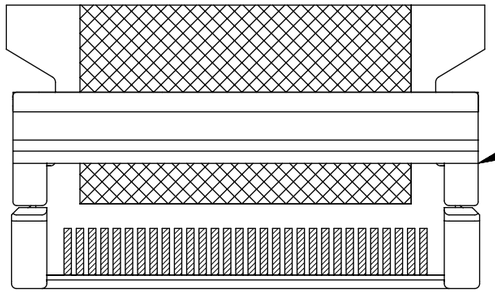
FORMAT: master-tb-prod-A3
REVISION: J
DATE: 2020/01/14

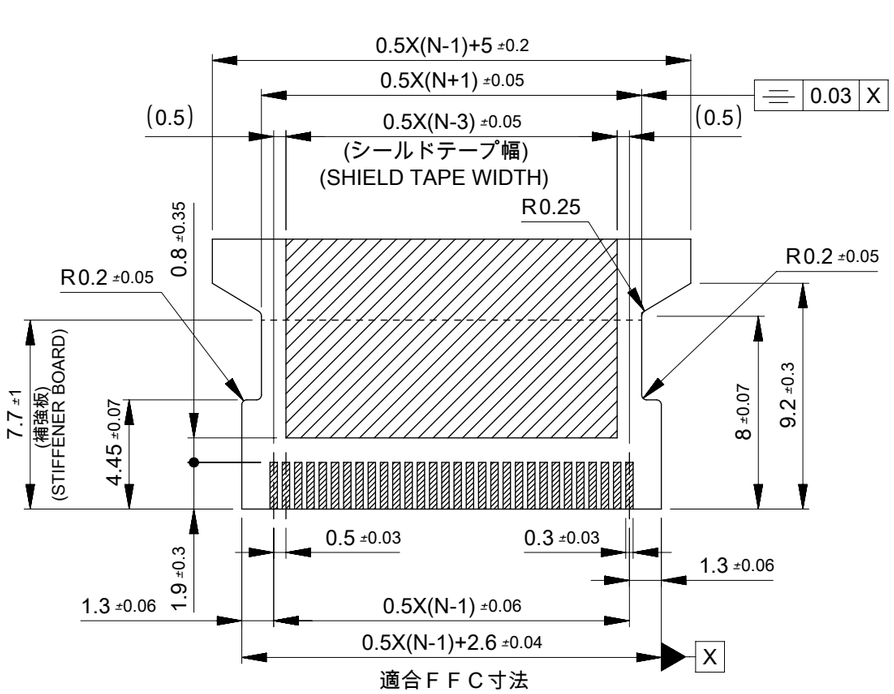








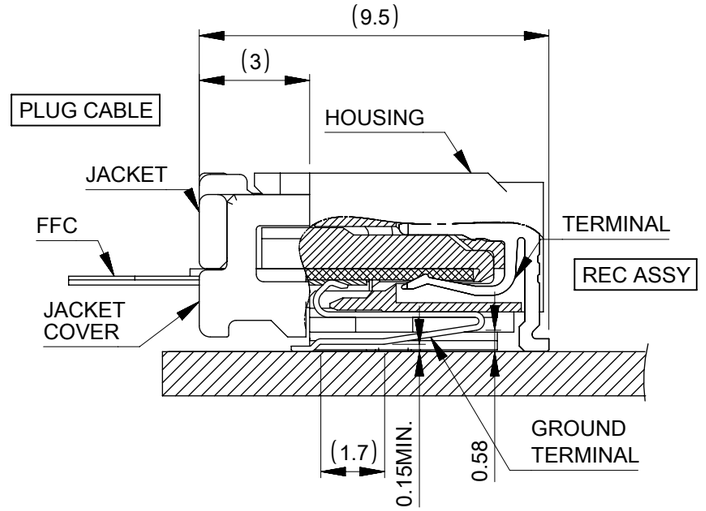




適合ＦＦＣ寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
（仕上がり厚さ：コネクタ接点部0.3±0.03）
：シールド部0.44±0.05）
(THICKNESS :CONTACT AREA 0.3±0.03)
SHIELD AREA 0.44±0.05)

コネクタ接点部
CONTACT AREA

シールド部
SHIELD AREA



嵌合断面図
MATED CONNECTOR SECTION

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

DIMENSION UNITS	mm
SCALE	1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)	
ANGULAR TOL	± 1.0 °
4 PLACES	±
3 PLACES	±
2 PLACES	± 0.2
1 PLACE	± 0.2
0 PLACES	± 0.2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

CURRENT REV DESC:

EC NO: 640427
DRWN: NINOUE01 2020/06/29
CHK'D: HSHIMOYAMA 2020/07/01
APPR: SHOSHIKAWA 2020/07/01

INITIAL REVISION:
DRWN: KMKERUR 2016/02/24
APPR: NUKITA 2016/04/27

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 501864

molex

0.5 FFC TO BOARD CONN
REC. HSG ASSY(RA)

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5018641002	PSD	000	C

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	2 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2020/07/01 10:09:49

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

注 記
NOTE

1．使用材料 MATERIAL

ハウジング　：液晶ポリマー（ＬＣＰ），ガラス充填，
HOUSING　UL94V-0 色：黒色
LIQUID CRYSTAL POLYMER(LCP),
GLASS FILLED,UL94V-0 COLOR:BLACK

ターミナル　：燐青銅(t =0.18)
TERMINAL　PHOSPHOR BRONZE(t=0.18)

メッキ仕様
PLATING
接点部：金メッキ 0.1マイクロメートル以上
CONTACT AREA：GOLD 0.1 MICROMETER MINIMUM
半田付け部：金メッキ 0.05マイクロメートル以上
SOLDER TAIL AREA：GOLD 0.05 MICROMETER MINIMUM
下地メッキ：ニッケルメッキ 1.0マイクロメートル以上
UNDER PLATING：NICKEL 1.0 MICROMETER MINIMUM

金具　：燐青銅（ t =0.25 ）
FITTING NAIL PHOSPHOR BRONZE(t=0.25)
錫メッキ 1.0マイクロメートル以上
TIN 1.0MICROMETER MINIMUM
下地メッキ：ニッケルメッキ 1.0マイクロメートル以上
UNDER PLATING：NICKEL 1.0 MICROMETER MINIMUM

グランド端子　：燐青銅（ t =0.15 ）
GROUND TERMINAL PHOSPHOR BRONZE(t=0.15)
錫メッキ 1.0マイクロメートル以上
TIN 1.0MICROMETER MINIMUM
下地メッキ：ニッケルメッキ 1.0マイクロメートル以上
UNDER PLATING：NICKEL 1.0 MICROMETER MINIMUM

△2 N = 偶数に適用（ N：極数 ）
APPLY FOR N=EVEN(N:CIRCUIT)

△3 パターン剥離止め用金具
FITTING NAIL FOR PREVENTION OF PEELING
OF P.C.B PATTERN.

△4 <30極品>
適合ジャケット：5017833009
製品詳細寸法は5017832000 DOC.PART 001を参照下さい.
<40極品>
適合ジャケット：5017834009
製品詳細寸法は5017832000 DOC.PART 001を参照下さい.
<50極品>
適合ジャケット：5031505009
製品詳細寸法は5031502000 DOC.PART 000を参照下さい.
<30CKT>
APPLICABLE JACKET:5017833009.
RE DETAILED DIMENSION,SEE 5017832000 DOC.PART 001.
<40CKT>
APPLICABLE JACKET:5017834009.
RE DETAILED DIMENSION,SEE 5017832000 DOC.PART 001.
<50CKT>
APPLICABLE JACKET:5031505009.
RE DETAILED DIMENSION,SEE 5031502000 DOC.PART 000.

△5 <30極品>
適合ジャケットカバー：5017843008
製品詳細寸法は5017842001 DOC.PART 000を参照下さい.
<40極品>
適合ジャケットカバー：5017844008
製品詳細寸法は5017842001 DOC.PART 000を参照下さい.
<50極品>
適合ジャケットカバー：5031515009
製品詳細寸法は5031512000 DOC.PART 000を参照下さい.
<30CKT>
APPLICABLE JACKET:5017843008.
RE DETAILED DIMENSION,SEE 5017842001 DOC.PART 000.
<40CKT>
APPLICABLE JACKET:5017844008.
RE DETAILED DIMENSION,SEE 5017842001 DOC.PART 000.
<50CKT>
APPLICABLE JACKET:5031515009.
RE DETAILED DIMENSION,SEE 5031512000 DOC.PART 000.

6. ELV及びRoHS適合品
ELV AND RoHS COMPLIANT

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	±	1.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.2
1 PLACE	±	0.2
0 PLACES	±	0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 640427
DRWN: NINOUE01 2020/06/29
CHK'D: HSHIMOYAMA 2020/07/01
APPR: SHOSHIKAWA 2020/07/01

INITIAL REVISION:
DRWN: KMKERUR 2016/02/24
APPR: NUKITA 2016/04/27

molex

0.5 FFC TO BOARD CONN
REC. HSG ASSY(RA)

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
5018641002	PSD	000	C

THIRD ANGLE PROJECTION	DRAWING	SERIES
	A3-SIZE	501864

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2020/07/01 10:09:49

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