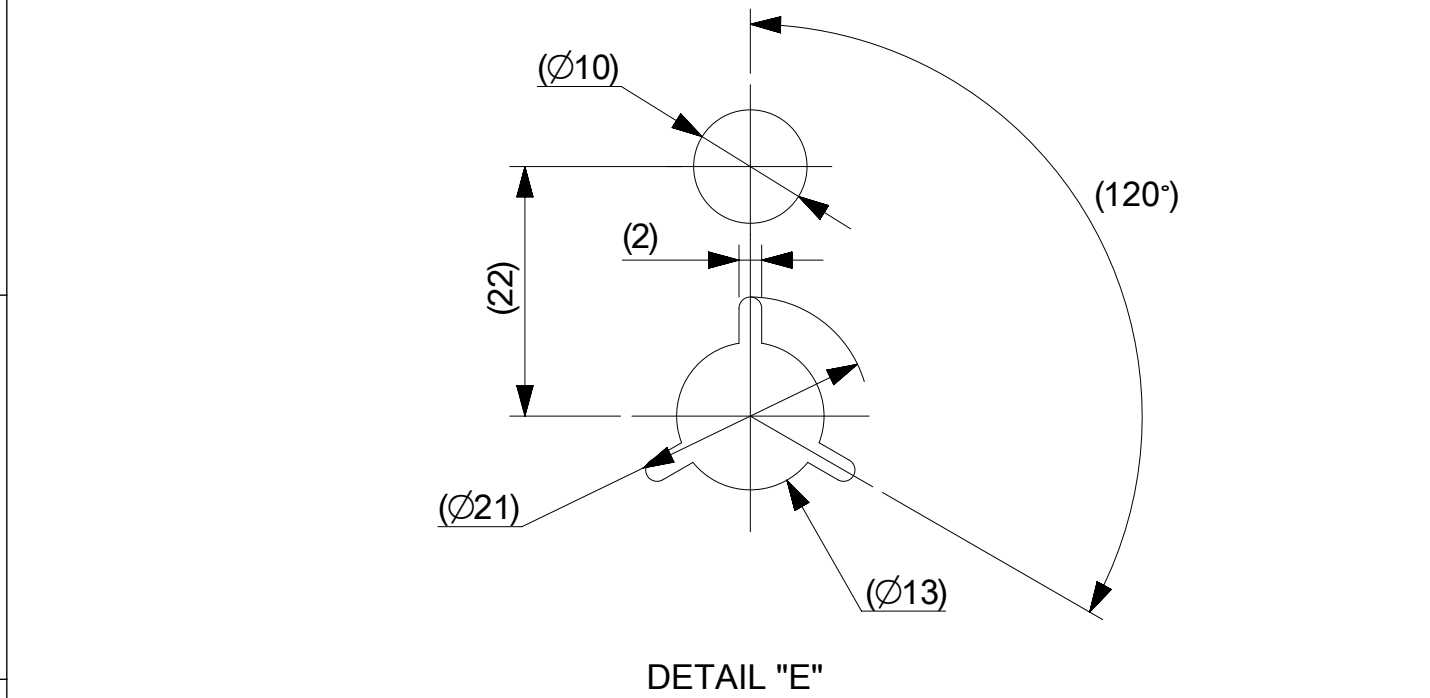
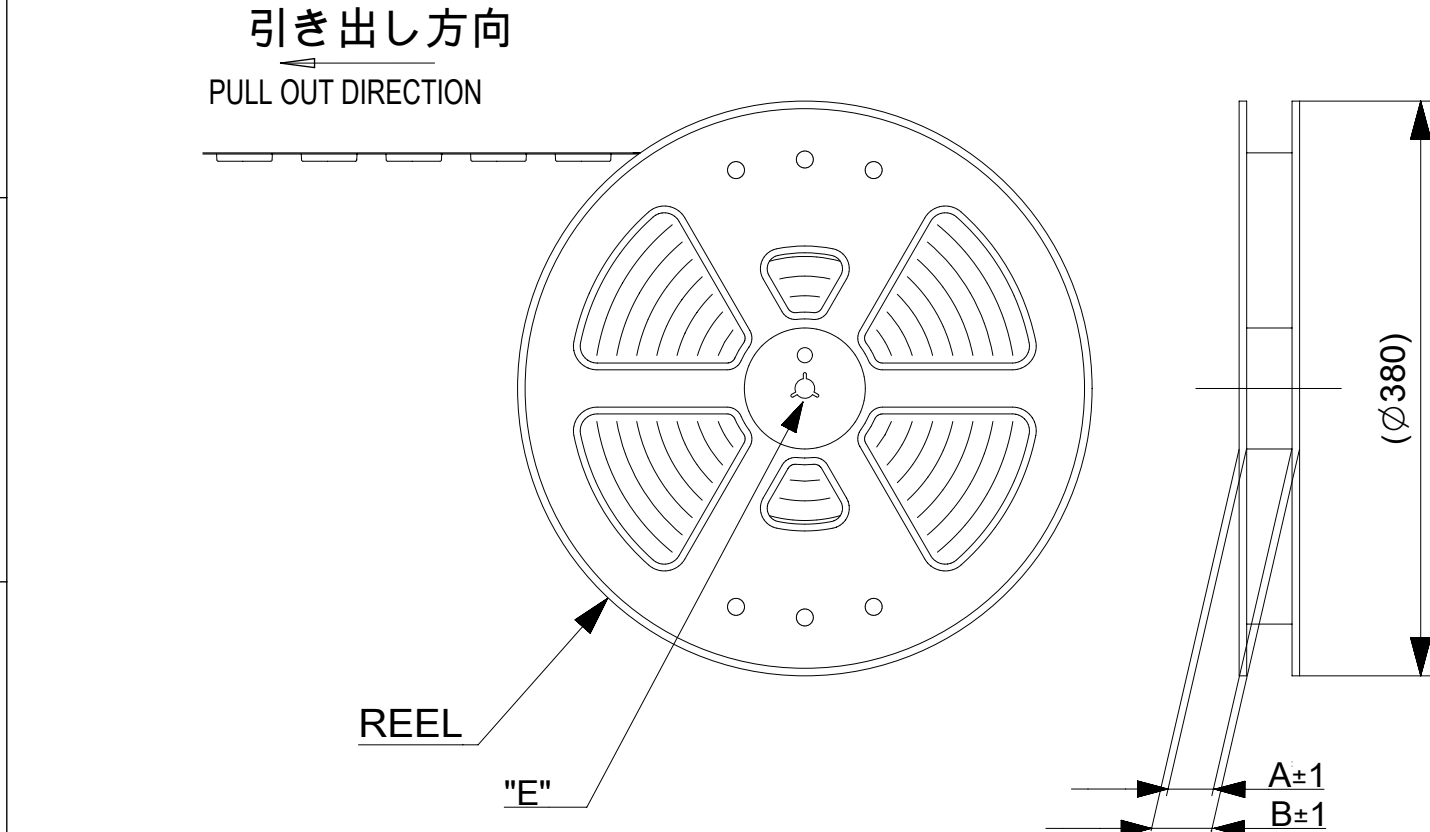
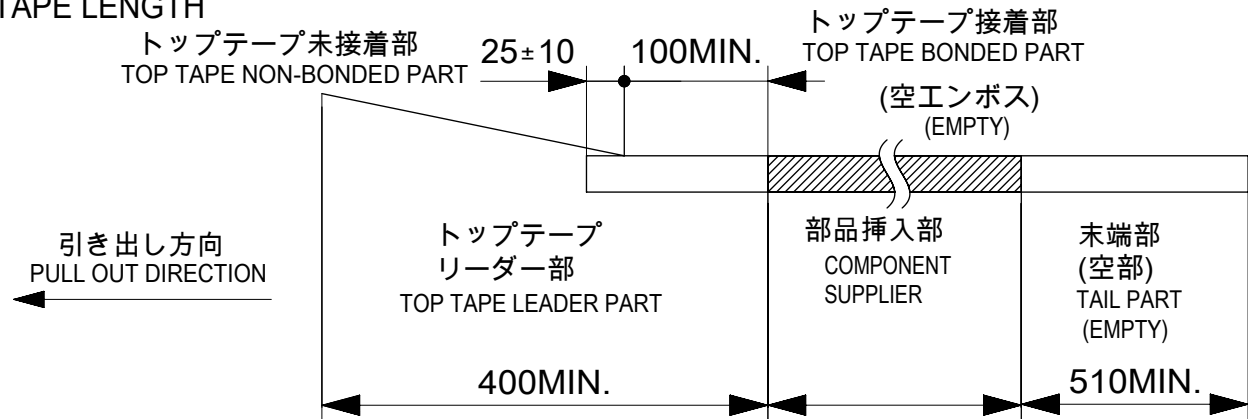




NOTES

- 梱包数量：2000個 / リール
NUMBER OF CONNECTORS : 2000 PCS/REEL
- リードテープ長さ
LEAD TAPE LENGTH

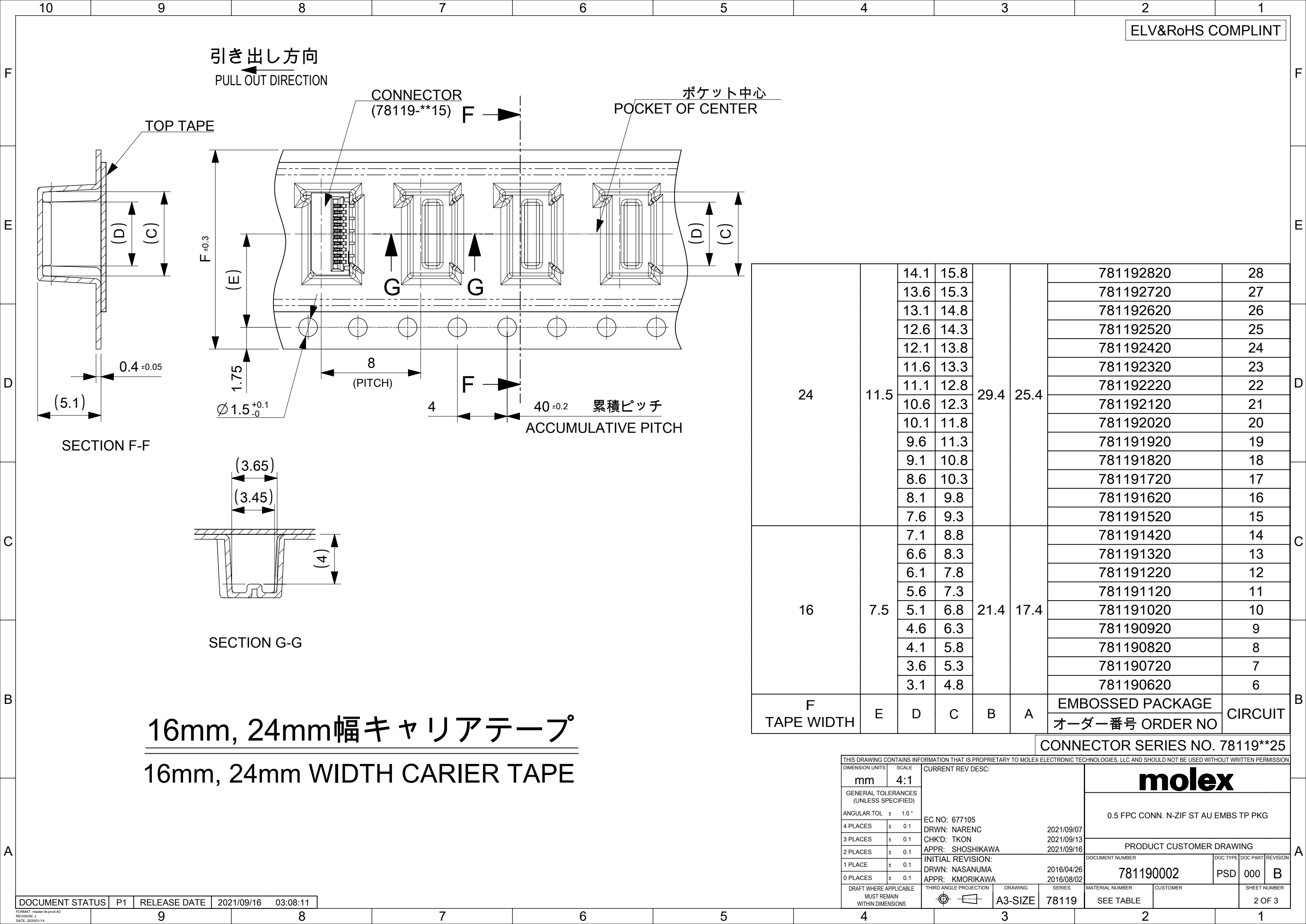


- トップテープの剥離強度については、IEC60286-3に準拠。
TOP TAPE PEEL FORCE IS DEFINED BY IEC60286-3.
- 製品詳細寸法については、図面781191002をご参照ください。
REFER TO THE 781191002 ABOUT DIMENSIONS IN DETAIL.
- 材料
キャリアテープ：ポリスチレン(PS)
トップテープ：PET,OTHER
リール：ポリスチレン(PS)(リサイクル材を含む)
- MATERIAL
CARRIER TAPE：POLYSTYRENE(PS)
TOP TAPE：PET,OTHER
REEL：POLYSTYRENE(PS) (RECYCLE MATERIAL CONTAINED)
- 環境負荷物質の管理のため「化学物質ガイドライン」の内容を満足すること。
"CHEMICAL SUBSTANCES GUIDELINE" SHALL BE APPLIED FOR MANAGEMENT OF ENVIRONMENTAL HAZARDOUS MATERIALS.

ELV&RoHS COMPLINT

CONNECTOR SERIES NO. 78119**25

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC:			molex 0.5 FPC CONN. N-ZIF ST AU EMBS TP PKG						
mm		2:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)													
ANGULAR TOL ± 1.0 °													
4 PLACES		± 0.1		EC NO: 677105 DRWN: NARENC2021/09/07 CHK'D: TKON2021/09/13 APPR: SHOSHIKAWA2021/09/16			PRODUCT CUSTOMER DRAWING						
3 PLACES		± 0.1											
2 PLACES		± 0.1											
1 PLACE		± 0.1											
0 PLACES		± 0.1		INITIAL REVISION: DRWN: NASANUMA2016/04/26 APPR: KMORIKAWA2016/08/02			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION		
							781190002		PSD	000	B		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION					DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
							A3-SIZE	78119	SEE TABLE				1 OF 3



ELV&RoHS COMPLINT

引き出し方向
PULL OUT DIRECTION

CONNECTOR
(78119-**15)

ポケット中心
POCKET OF CENTER

TOP TAPE

G

G

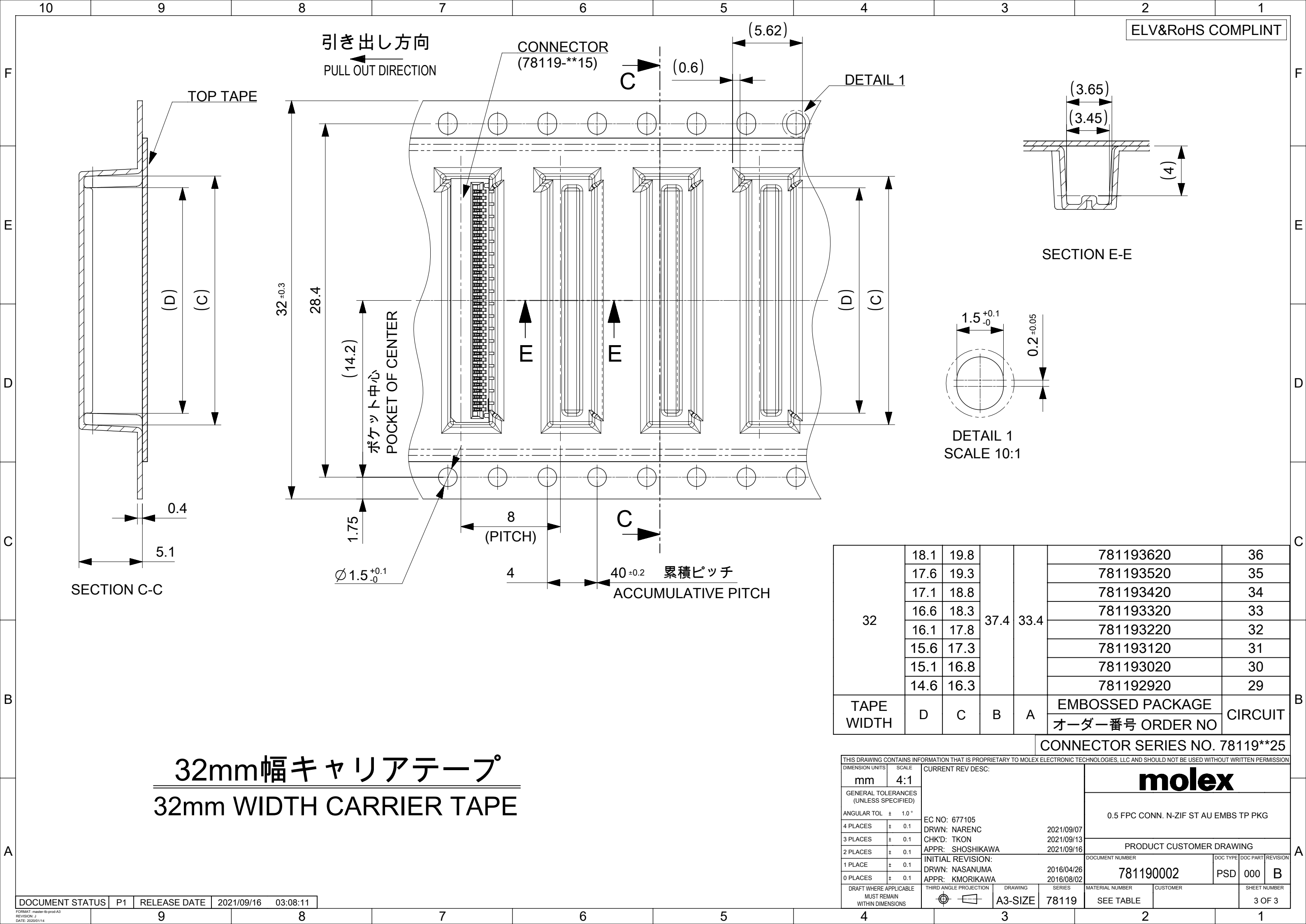
SECTION F-F

SECTION G-G

16mm, 24mm幅キャリアテープ
16mm, 24mm WIDTH CARRIER TAPE

24	11.5	14.1	15.8	29.4	25.4	781192820	28
		13.6	15.3			781192720	27
		13.1	14.8			781192620	26
		12.6	14.3			781192520	25
		12.1	13.8			781192420	24
		11.6	13.3			781192320	23
		11.1	12.8			781192220	22
		10.6	12.3			781192120	21
		10.1	11.8			781192020	20
		9.6	11.3			781191920	19
		9.1	10.8			781191820	18
		8.6	10.3			781191720	17
		8.1	9.8			781191620	16
		7.6	9.3			781191520	15
16	7.5	7.1	8.8	21.4	17.4	781191420	14
		6.6	8.3			781191320	13
		6.1	7.8			781191220	12
		5.6	7.3			781191120	11
		5.1	6.8			781191020	10
		4.6	6.3			781190920	9
		4.1	5.8			781190820	8
		3.6	5.3			781190720	7
F TAPE WIDTH	E	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO	CIRCUIT
						CONNECTOR SERIES NO. 78119**25	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		molex 0.5 FPC CONN. N-ZIF ST AU EMBS TP PKG PRODUCT CUSTOMER DRAWING											
mm		4:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
ANGULAR TOL ± 1.0 °															
4 PLACES		± 0.1								EC NO: 677105		2021/09/07			
3 PLACES		± 0.1								DRWN: NARENC		2021/09/13			
2 PLACES		± 0.1								CHK'D: TKON		2021/09/16			
1 PLACE		± 0.1								APPR: SHOSHIKAWA					
0 PLACES		± 0.1								INITIAL REVISION:					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRWN: NASANUMA		2016/04/26									
				APPR: KMORIKAWA		2016/08/02									
THIRD ANGLE PROJECTION				DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				A3-SIZE		78119		781190002		PSD		000		B	
								MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
								SEE TABLE						2 OF 3	



ELV&RoHS COMPLINT

引き出し方向
PULL OUT DIRECTION

CONNECTOR
(78119-**15)

DETAIL 1

SECTION E-E

DETAIL 1
SCALE 10:1

SECTION C-C

累積ピッチ
ACCUMULATIVE PITCH

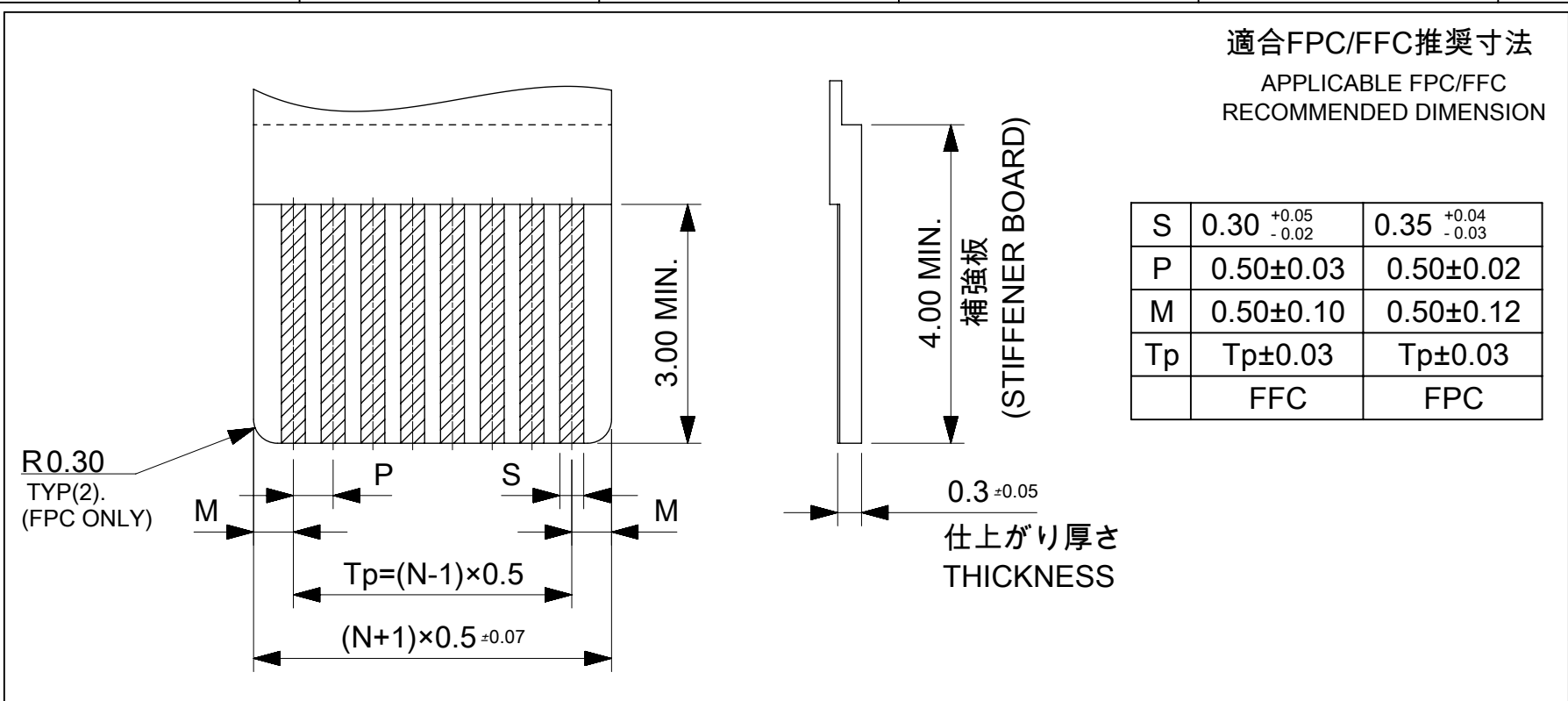
32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

32	18.1	19.8	37.4	33.4	781193620	36
	17.6	19.3			781193520	35
	17.1	18.8			781193420	34
	16.6	18.3			781193320	33
	16.1	17.8			781193220	32
	15.6	17.3			781193120	31
	15.1	16.8			781193020	30
	14.6	16.3			781192920	29
TAPE WIDTH	D	C	B	A	EMBOSSED PACKAGE	CIRCUIT
					オーダー番号 ORDER NO	

CONNECTOR SERIES NO. 78119**25

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC:									
mm		4:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				molex 0.5 FPC CONN. N-ZIF ST AU EMBS TP PKG PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER 781190002 DOC TYPE PSD DOC PART 000 REVISION B									
ANGULAR TOL ± 1.0 °													
4 PLACES		± 0.1								EC NO: 677105		2021/09/07	
3 PLACES		± 0.1								DRWN: NARENC		2021/09/13	
2 PLACES		± 0.1								CHK'D: TKON		2021/09/16	
1 PLACE				± 0.1		APPR: SHOSHIKAWA		2021/09/16					
0 PLACES				± 0.1		INITIAL REVISION:							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES					
						A3-SIZE		78119					
				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER					
				SEE TABLE				3 OF 3					

DOCUMENT STATUS	P1	RELEASE DATE	2021/09/16	03:08:11
-----------------	----	--------------	------------	----------



FPC/FFCについて
打抜き方向は導体側から補強版側を推奨します。
導体部については軟箔銅35μmまたは、50μmを推奨いたします。
接着剤の接点部への付着は導通不良の原因になりますので、染み出し無きことを推奨いたします。
FPC/FFCに規定された定格温度が、FPC/FFC単体前提である場合が御座います。
コネクタと組み合わせての実使用において、接着層が劣化する等の信頼性を満足できないケースを回避する為、
実機での評価 / 確認をお願い致します。

ABOUT FPC/FFC
RECOMMENDED PUNCHING DIRECTION:FROM CONDUCTOR SIDE TO STIFFENER SIDE.
RECOMMENDED CONDUCTOR SPEC:SOFT COPPER FOIL.
RECOMMENDED CONDUCTOR THICKNESS:35 MICROMETER OR 50 MICROMETER.
RECOMMENDED PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS
A POSSIBILITY THAT EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.
THE HEAT RESISTANCE OF FPC/FFC IS ONLY FPC/FFC SPEC.
TO PREVENT THE CASE THAT RELIABILITY CANNOT BE SATISFIED (THE ADHESIVE IS
DETERIORATED etc,)PLEASE DO THE EVALUATION AND THE CONFIRMATION
WITH ACTUAL CONNECTOR.

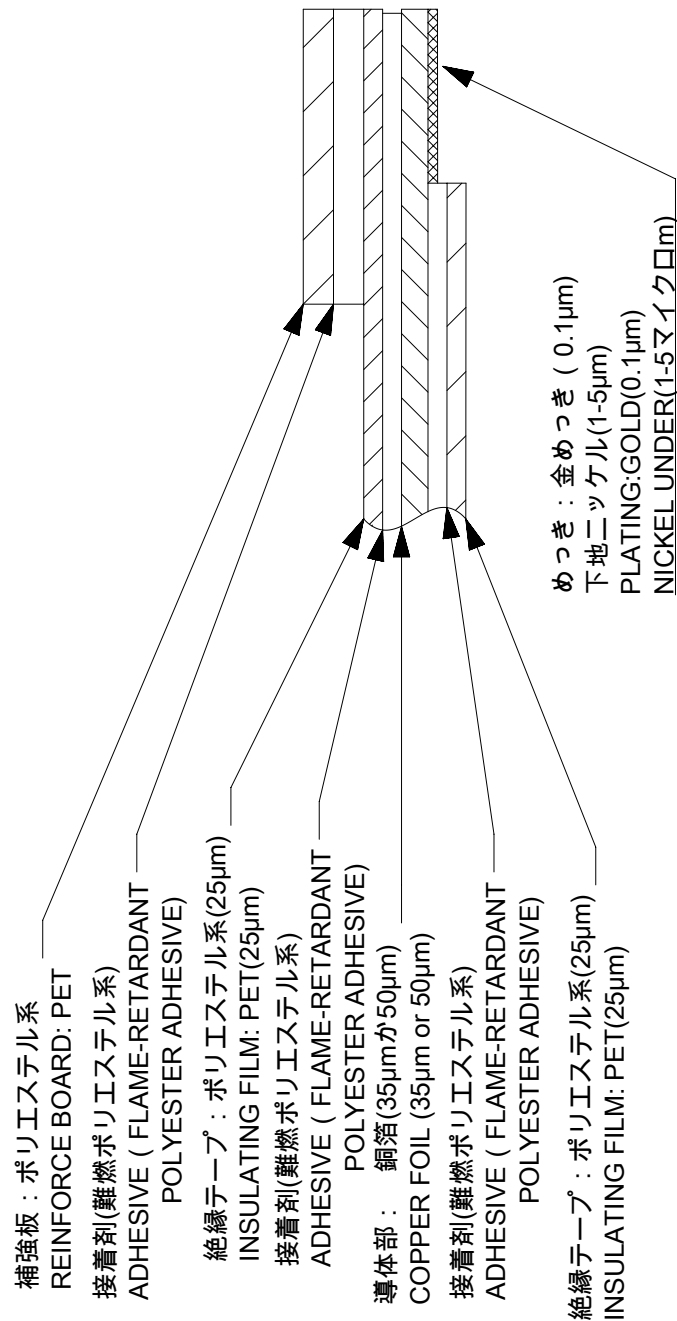
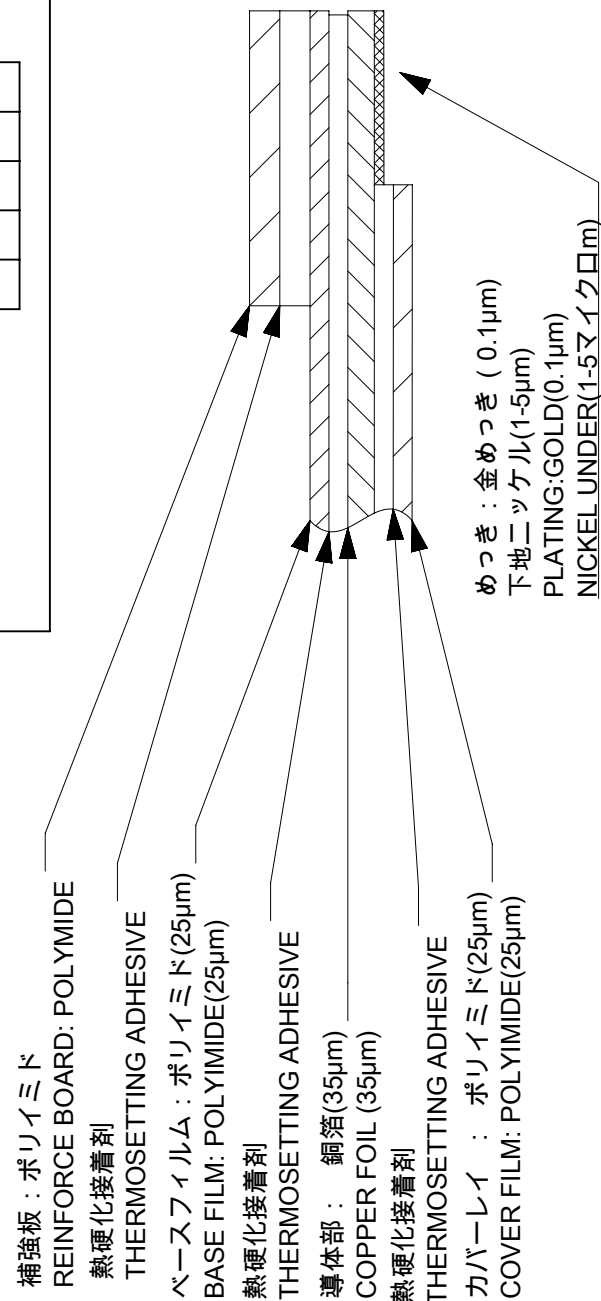
FPCについて
補強フィルム材は、ポリイミドを推奨します。ベースフィルムは25μmを推奨します。
接着剤は熱硬化接着剤を推奨します。

ABOUT FPC
RECOMMENDED STIFFENER MATERIAL:POLYIMIDE.
RECOMMENDED BASE FILM THICKNESS:25 MICROMETER.
RECOMMENDED ADHESIVE:THERMOSETTING ADHESIVE.

RELEASE STATUS	P1	RELEASE DATE	02.08.2016	00:40:30
----------------	----	--------------	------------	----------

RMAT: master-tb-prod-A3
VISION: F
TE: 2015/11/18

適合FPC/FFC推奨寸法		
APPLICABLE FPC/FFC RECOMMENDED DIMENSION		
S	0.30 ^{+0.05} _{-0.02}	0.35 ^{+0.04} _{-0.03}
P	0.50±0.03	0.50±0.02
M	0.50±0.10	0.50±0.12
Tp	Tp±0.03	Tp±0.03
	FFC	FPC

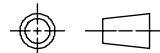


FPC構成推奨仕様

STRUCTURE OF FPC

FFC構成推奨仕様

STRUCTURE OF FFC

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
EC NO: 107065 DRWN: NASANUMA CHK'D: YKOBAYASHI02 APPR: KMORIKAWA	2016/02/17	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE		molex®								
	2016/08/01		MM		12:1										
	2016/08/02		ANGULAR TOL ± 1.0 °		DRWN BY		DATE		0.5 PITCH NON-ZIF CONN. SMT AU ST ASSY						
	4 PLACES		± 0.1	NASANUMA		2016/02/17									
	3 PLACES		± 0.1	CHK'D BY		DATE									
	2 PLACES		± 0.1	YKOBAYASHI02		2016/08/01									
	1 PLACE		± 0.1	APPR BY		DATE		PRODUCT CUSTOMER DRAWING							
	0 PLACES		± 0.1	KMORIKAWA		2016/08/02									
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION			SERIES	MATERIAL NUMBER			CUSTOMER				
A	REV	A3				78119									
						DOCUMENT NUMBER			DOC TYPE	DOC PART	SHEET NUMBER				
						781191002			PSD	000	2 OF 3				

9

8

7

6

5

4

3

2

1

ELV & RoHS COMPLIANT

17	17	18.6	17.5	19.6	781193620	36
16	17	18.1	17	19.1	781193520	35
16	16	17.6	16.5	18.6	781193420	34
15	16	17.1	16	18.1	781193320	33
15	15	16.6	15.5	17.6	781193220	32
14	15	16.1	15	17.1	781193120	31
14	14	15.6	14.5	16.6	781193020	30
13	14	15.1	14	16.1	781192920	29
13	13	14.6	13.5	15.6	781192820	28
12	13	14.1	13	15.1	781192720	27
12	12	13.6	12.5	14.6	781192620	26
11	12	13.1	12	14.1	781192520	25
11	11	12.6	11.5	13.6	781192420	24
10	11	12.1	11	13.1	781192320	23
10	10	11.6	10.5	12.6	781192220	22
9	10	11.1	10	12.1	781192120	21
9	9	10.6	9.5	11.6	781192020	20
8	9	10.1	9	11.1	781191920	19
8	8	9.6	8.5	10.6	781191820	18
7	8	9.1	8	10.1	781191720	17
7	7	8.6	7.5	9.6	781191620	16
6	7	8.1	7	9.1	781191520	15
6	6	7.6	6.5	8.6	781191420	14
5	6	7.1	6	8.1	781191320	13
5	5	6.6	5.5	7.6	781191220	12
4	5	6.1	5	7.1	781191120	11
4	4	5.6	4.5	6.6	781191020	10
3	4	5.1	4	6.1	781190920	9
3	3	4.6	3.5	5.6	781190820	8
2	3	4.1	3	5.1	781190720	7
2	2	3.6	2.5	4.6	781190620	6
E	D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	CIRCUIT

1st ckt tail

4.0 ±0.1

1.6 ±0.1

1.6 ±0.1

0.4 ±0.05

0.5 ±0.05

B ±0.05

参考マスク厚:100μm
参考開口率:100%
REFERENCE SCREEN THICKNESS:100
REFERENCE SCREEN OPEN RATIO:100%

推奨基板レイアウト
RECOMMENDED PCB LAYOUT

CONNECTOR SERIES NO. 78119**25

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

2016/02/17
2016/08/01
2016/08/02

EC NO: 107065
DRWN: NASANUMA
CHK'D: YKOBAYASHI02
APPR: KMORIKAWA

A

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ± 0.1

3 PLACES ± 0.1

2 PLACES ± 0.1

1 PLACE ± 0.1

0 PLACES ± 0.1

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

MM

DRWN BY

NASANUMA

CHK'D BY

YKOBAYASHI02

APPR BY

KMORIKAWA

DRAWING SIZE

A3

SCALE

12:1

DATE

2016/02/17

DATE

2016/08/01

DATE

2016/08/02

THIRD ANGLE PROJECTION

0.5 PITCH NON-ZIF CONN. SMT AU ST ASSY

PRODUCT CUSTOMER DRAWING

SERIES

78119

DOCUMENT NUMBER

781191002

MATERIAL NUMBER

CUSTOMER

DOC TYPE

PSD

DOC PART

000

SHEET NUMBER

3 OF 3

RELEASE STATUS

P1

RELEASE DATE

02.08.2016

00:40:30

9

8

7

6

5

4

3

2

1