

10

9

8

7

6

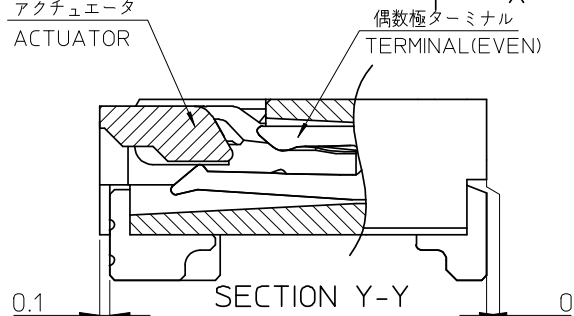
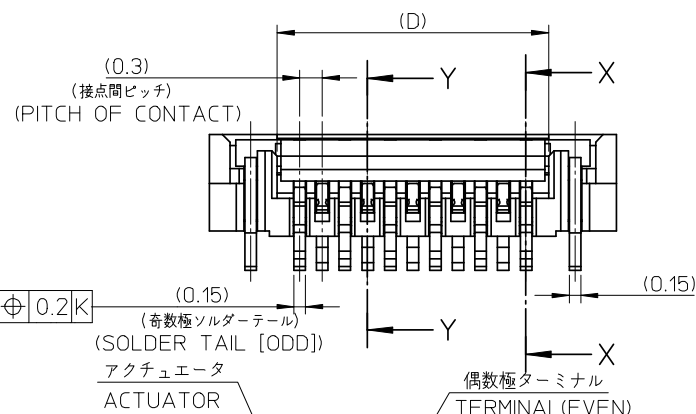
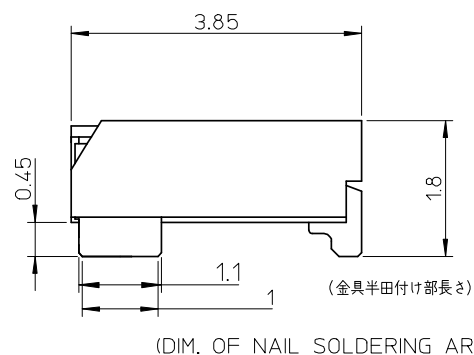
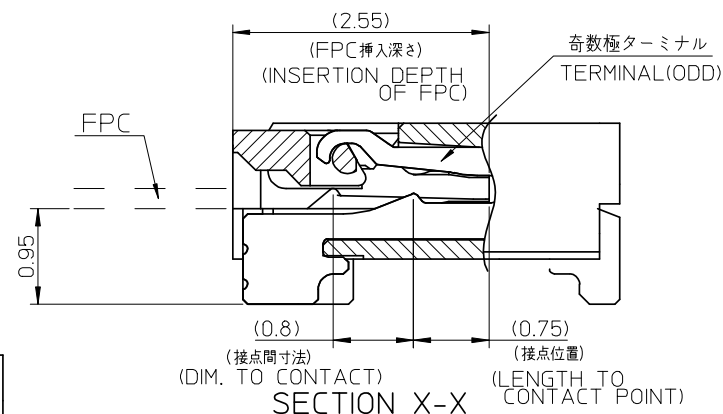
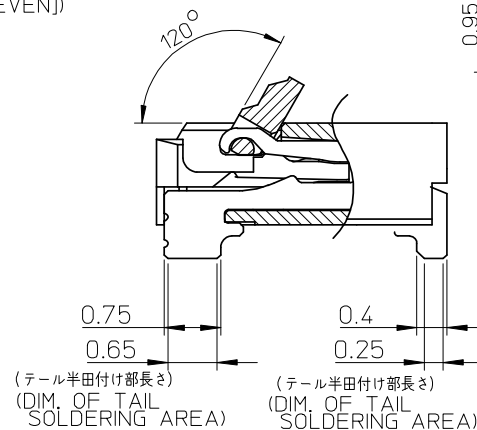
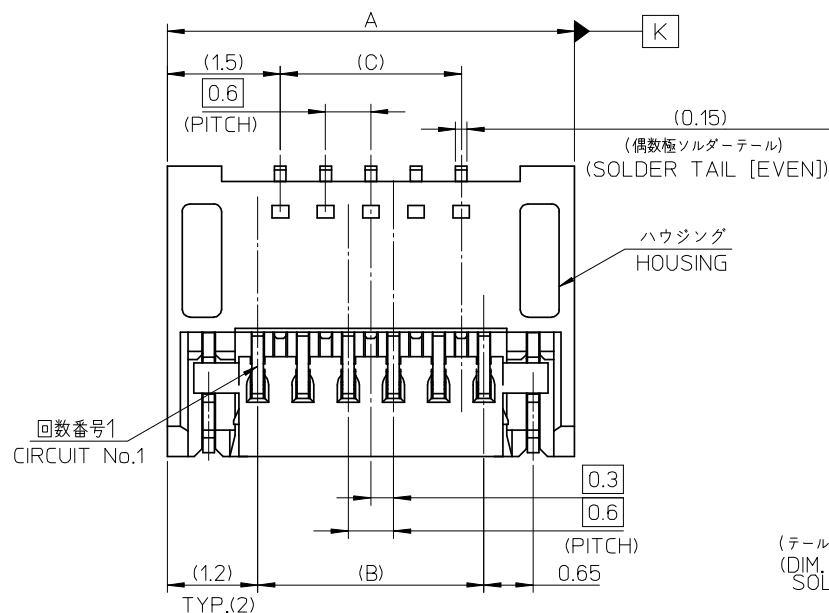
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4

3

2

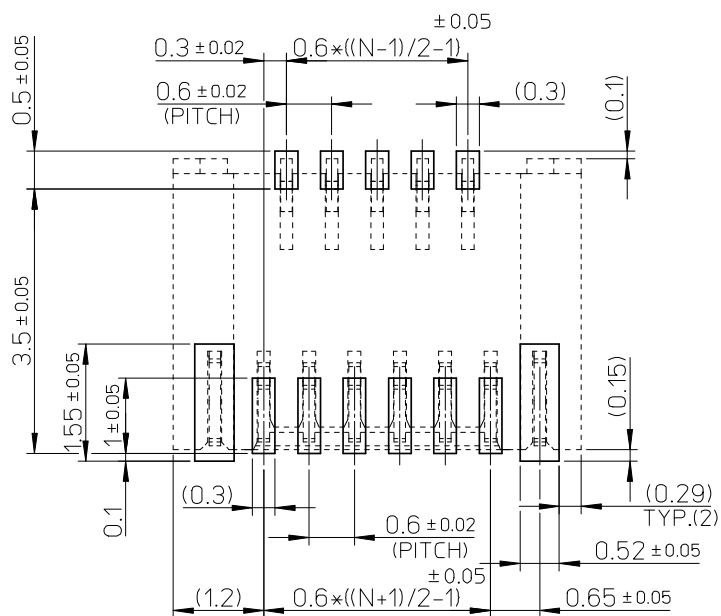
1



15.6	14.4	15.0	17.4	501912-5190	501912-5110	51
14.4	13.2	13.8	16.2	501912-4790	501912-4710	47
13.8	12.6	13.2	15.6	501912-4590	501912-4510	45
12.6	11.4	12.0	14.4	501912-4190	501912-4110	41
12.0	10.8	11.4	13.8	501912-3990	501912-3910	39
11.4	10.2	10.8	13.2	501912-3790	501912-3710	37
10.8	9.6	10.2	12.6	501912-3590	501912-3510	35
10.2	9.0	9.6	12.0	501912-3390	501912-3310	33
8.4	7.2	7.8	10.2	501912-2790	501912-2710	27
7.8	6.6	7.2	9.6	501912-2590	501912-2510	25
7.2	6.0	6.6	9.0	501912-2390	501912-2310	23
6.6	5.4	6.0	8.4	501912-2190	501912-2110	21
4.8	3.6	4.2	6.6	501912-1590	501912-1510	15
D	C	B	A	EMBOSS-TAPE PKG ORDER No.	MATERIAL No.	CIRCUIT

MODEL No. 501912-**10

REVISED EC NO: J2008-3324 DRAWN: HTAGAMI CHK'D: K TAKAHASHI APPR: K TAKAHASHI	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 15:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY M. HAYASHI	DATE 2005/07/28	TITLE 0.3 FPC CONN E/O HSG ASSY (HGT=1.8MM) GOLDPLATING MOLEX INCORPORATED			
		10 OVER 30 UNDER	± 0.25	CHECKED BY H. HIRATA	DATE 2005/07/28				
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2005/07/28				
		ANGULAR ±3 °		MATERIAL NO. SEE TABLE			DOCUMENT NO. SD-501912-001		SHEET NO. 1 OF 2
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



参考基板レイアウト図
(マウント面)
(MOUNTING SIDE)

注記 NOTES

1. 使用材料 MATFRIAL

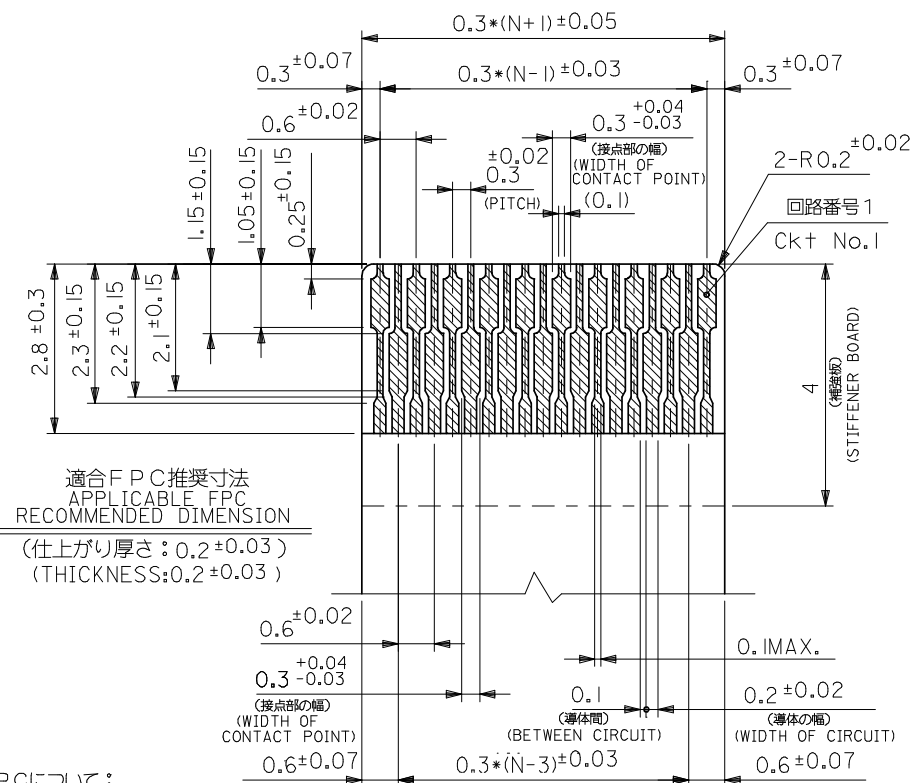
ハウジング : 耐熱性樹脂 ガラス充填 UL94V-0
HOUSING : HEAT RESISTANCE POLYMER (GLASS FILLED) UL94V-0
アクチュエータ : 耐熱性樹脂 ガラス充填 UL94V-0
ACTUATOR : HEAT RESISTANCE POLYMER (GLASS FILLED) UL94V-0
ターミナル : 銅合金 (t=0.15), ニッケル下地金メッキ
TERMINAL : COPPER ALLOY, GOLD OVER NICKEL PLATING.
金具 : 銅合金 (t=0.15), ニッケル下地スズメッキ
FITTING NAIL : COPPER ALLOY , TIN OVER NICKEL PLATING.

ハウジングに黒点がある場合が有りますが、問題はありません。

2. ソルダータール半田付け面、及び金具半田付け面の平坦度 : 0.1mm MAXIMUM.

COPLANARITY OF SOLDER TAILS AND FITTING NAILS
TO BE 0.1mm MAXIMUM.

3. ELV AND RoHS COMPLIANT.



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ : 0.2 ± 0.03)
(THICKNESS: 0.2 ± 0.03)

FPCについて :

打抜き方向は導体側から補強板側を推奨いたします。
導体部については軟銅箔35マイクロメートルまたは50マイクロメートルを
推奨致します。
補強フィルム材質はポリイミドを推奨します。
接着剤は熱硬化接着剤を推奨します。

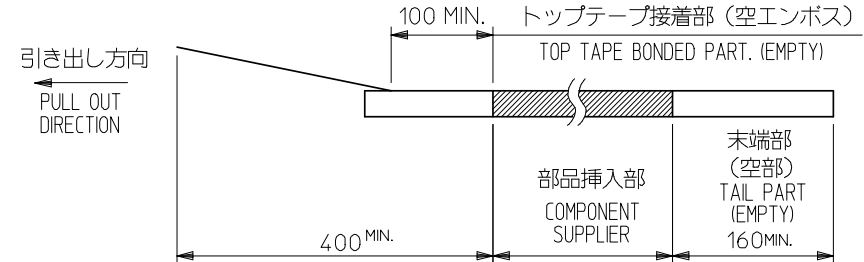
ABOUT FPC

RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.
RECOMMENDED CONDUCTOR SPEC :
THICKNESS OF SOFT COPPER FOIL : 35 MICROMETER OR 50 MICROMETER
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : THERMOSETTING BONDING AGENT

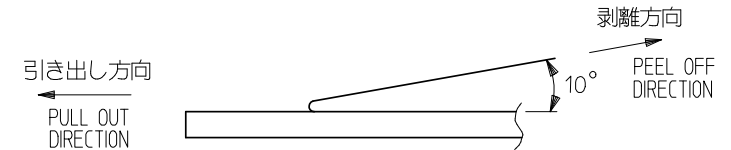
REVISED	EC NO. J2008-3324	DRAWN:HTAGAMI	2008/03/25	CHKD:K.TAKAHASHI	2008/04/07	APPR:K.TAKAHASHI	2008/04/07	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE -----	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
									10 UNDER	± 0.2	DRAWN BY	DATE	TITLE			
									10 OVER 30 UNDER	± 0.25	CHECKED BY	DATE	0.3 FPC CONN E/O HSG			
									30 OVER	± 0.3	H.HIRATA	2005/07/28	ASSY (HGT=1.8MM)			
									ANGULAR ±3 °	APPROVED BY	DATE	GOLDPLATING				
									DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	M.SASAO	2005/07/28	MOLEX MOLEX INCORPORATED				
REV	T								MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
									SEE SHEET 1		SD-501912-001		2 OF 2			
									SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

NOTES

- 製品詳細寸法は製品単体図面を参照して下さい。
FOR DETAIL OF CONNECTOR DIMENSIONS,PLEASE SEE THE DRAWING OF CONNECTOR ITSELF(NOT PACKAGED).
- 梱包数量：3000個／リール
NUMBER OF CONNECTORS：3000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



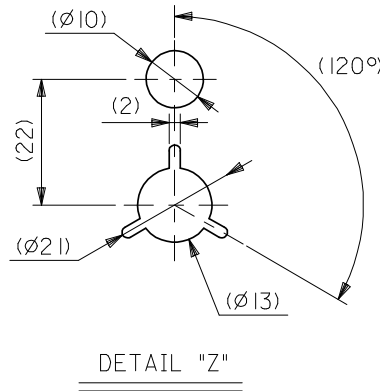
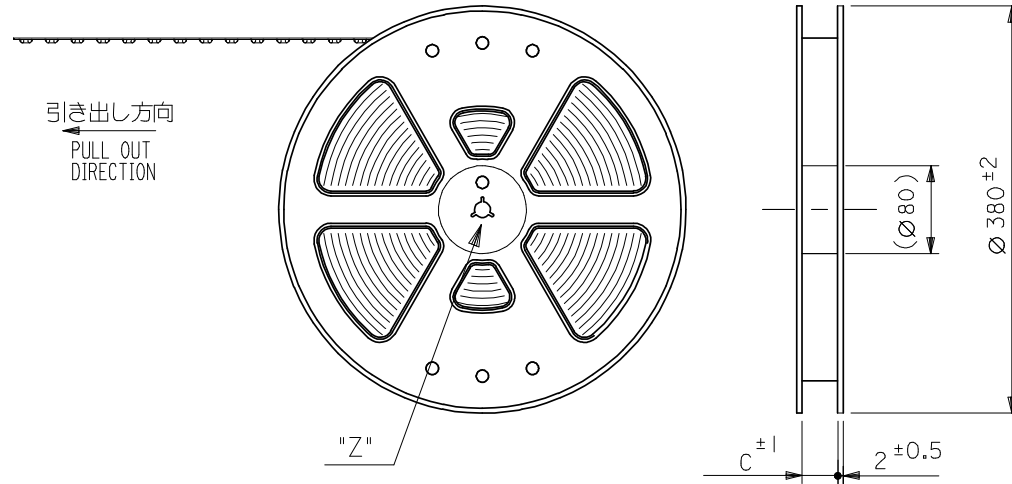
- トップテープの剥離強度：60±35gf (0.25N～0.93N) (剥離方向は下図参照) 尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE：65gf±30gf (0.25N～0.93N) (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.) THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT. PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



5. 材料(MATERIAL)

キャリアテープ (CARRIER TAPE)：ポリスチレン (POLYSTYREN)
トップテープ (TOP TAPE)：PET, PE, PEF
リール(REEL)：ポリスチレン(PS) <リサイクル材を含む>
POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED>

- C寸法は SHEET 2～4を参照下さい。
SEE SHEET 2～4(DIMENSION C).
- ELV AND RoHS COMPLIANT.



REVISED EC NO: J2008-3324 DRAWN: HTAGAMI 2008/03/25 CHKD: K TAKAHASHI 2008/04/07 APPR: K TAKAHASHI 2008/04/07	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	501912-**90 DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	MODEL NO.
		10 UNDER	± 0.2	DRAWN BY M. HAYASHI	DATE 2005/10/11	TITLE EMBSTP PKG FOR 0.3 FPC CONN (HGT=1.8MM) GOLD PLATING			
		10 OVER 30 UNDER	± 0.25	CHECKED BY H. HIRATA	DATE 2005/10/11				
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2005/10/11	 MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501912-002		1 OF 4	
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

E

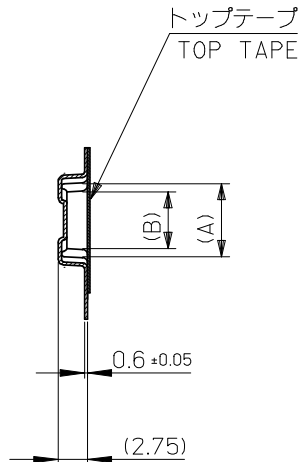
D

C

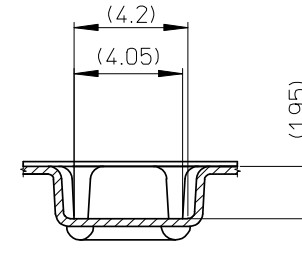
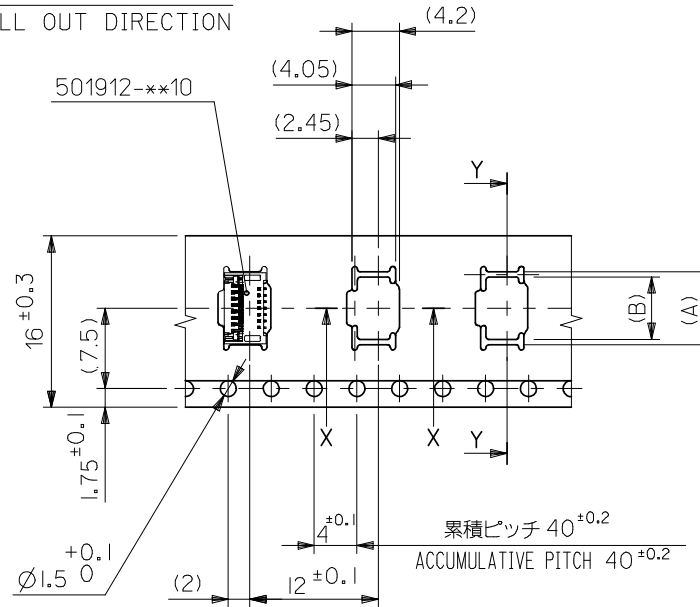
B

A

引き出し方向
PULL OUT DIRECTION



SECT. Y-Y



SECT. X-X

16 mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

16	17.5	4.6	6.8	501912-1590	15
キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	製品番号 MATERIAL No.	極数 CK+
				501912-**90	MODEL No.

REVISED EC NO: J2008-3324 2008/03/25 DRAWN:HTAGAMI 2008/04/07 CHK'D:KITAKAHASHI 2008/04/07 APPR:KITAKAHASHI REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M.HAYASHI	DATE 2005/10/11	TITLE EMBSTP PKG FOR 0.3 FPC CONN (HGT=1.8MM) GOLD PLATING				
		10 OVER 30 UNDER	± 0.25	CHECKED BY H.HIRATA	DATE 2005/10/11					
		30 OVER	± 0.3	APPROVED BY M.SASAO	DATE 2005/10/11	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501912-002		2 OF 4		
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

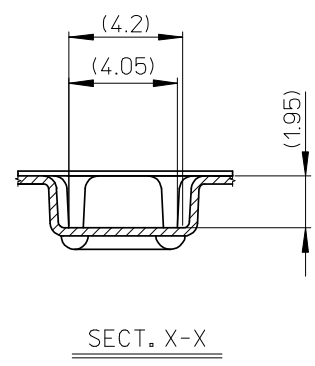
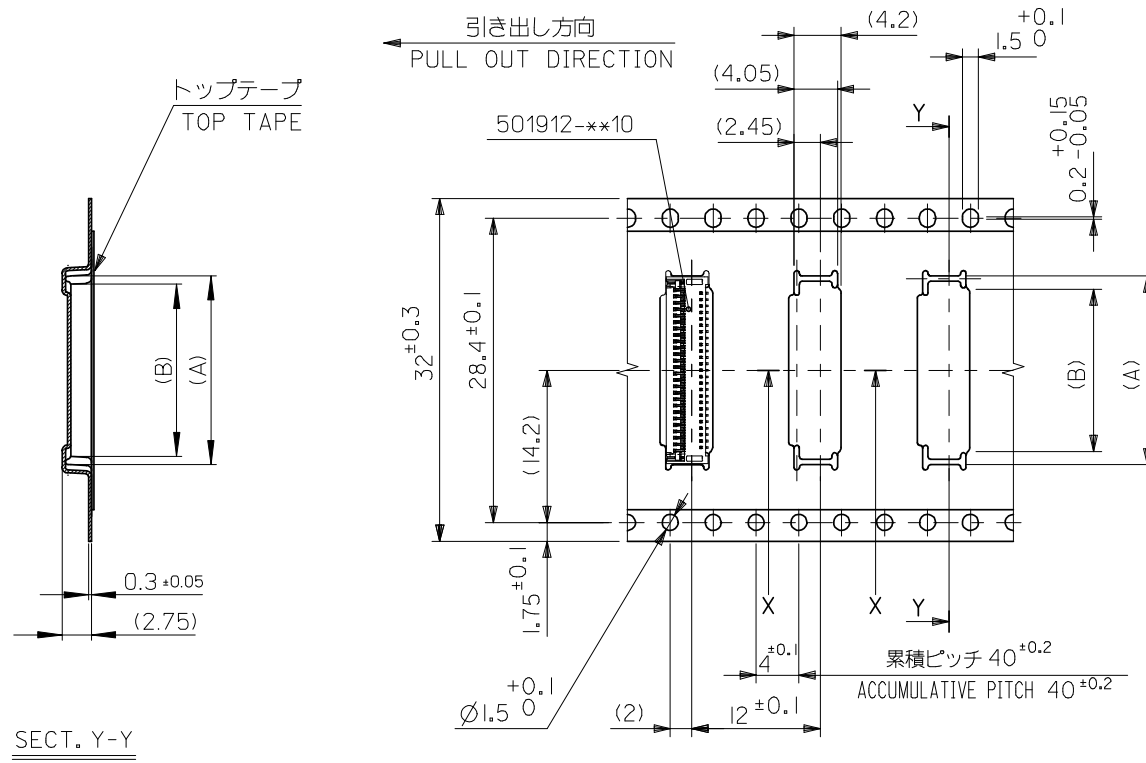
E

D

C

B

A



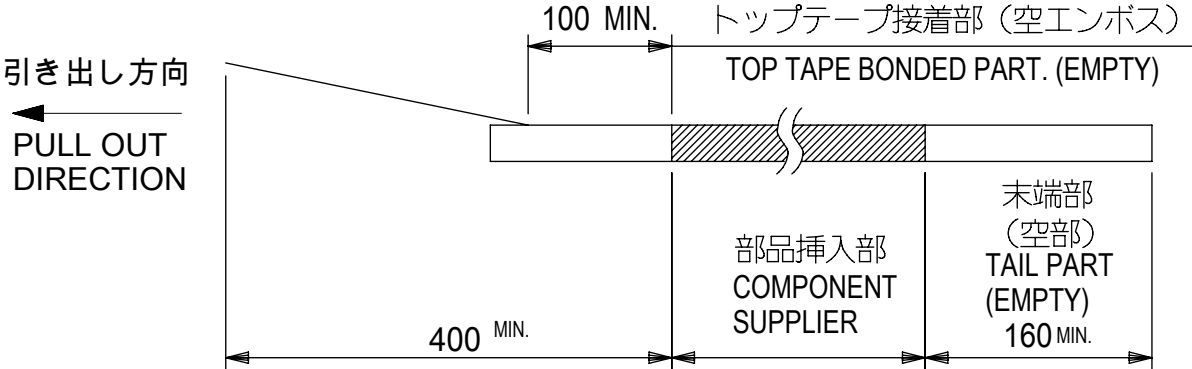
32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

32	33.5	15.4	17.6	501912-5190	51
		14.2	16.4	501912-4790	47
		13.6	15.8	501912-4590	45
キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	製品番号 MATERIAL No.	極数 CK+
				501912-**-90	MODEL No.

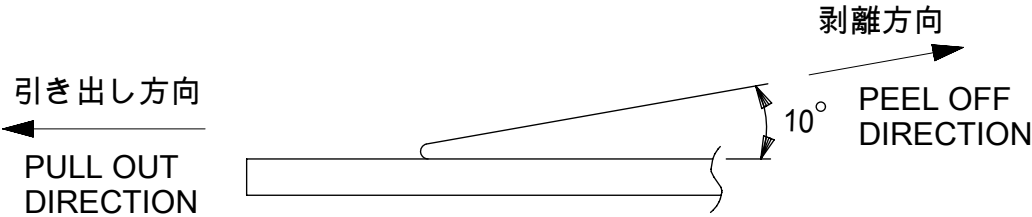
REVISED EC NO: J2008-3324 DRAWN: HTAGAMI 2008/03/25 CHKD: KITAKAHASHI 2008/04/07 APPR: KITAKAHASHI 2008/04/07	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. HAYASHI	DATE 2005/10/11	TITLE EMBSTP PKG FOR 0.3 FPC CONN (HGT=1.8MM) GOLD PLATING				
		10 OVER 30 UNDER	± 0.25	CHECKED BY H. HIRATA	DATE 2005/10/11					
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE 2005/10/11	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-501912-002		4 OF 4		
				SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

NOTES

1. 製品詳細寸法は製品単体図面を参照して下さい。
FOR DETAIL OF CONNECTOR DIMENSIONS,PLEASE SEE THE DRAWING OF CONNECTOR ITSELF(NOT PACKAGED).
2. 梱包数量：3000個 / リール
NUMBER OF CONNECTORS : 3000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH

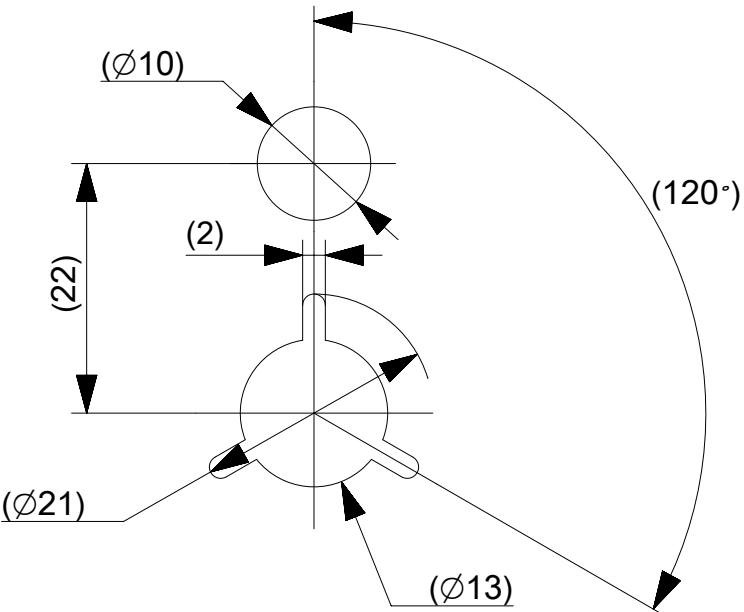
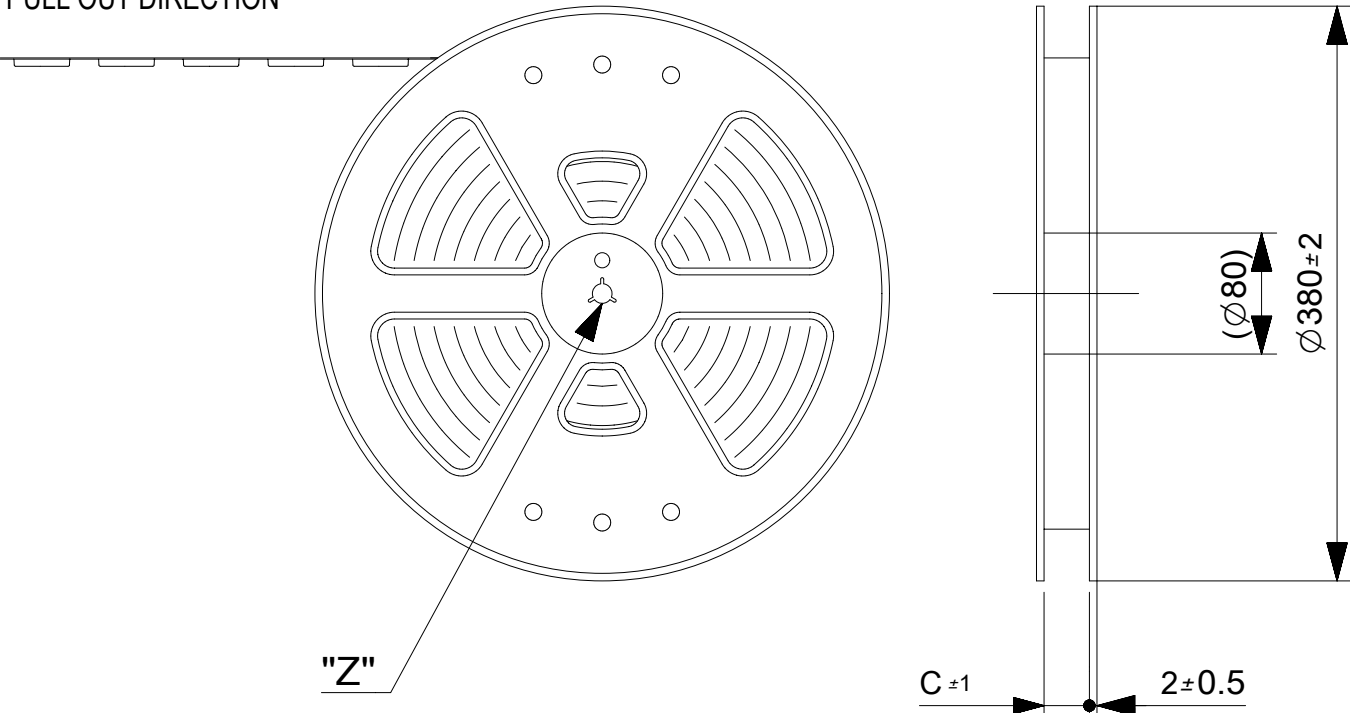


4. トップテープの剥離強度：60±35gf (0.25N～0.93N) (剥離方向は下図参照)
尚、本規格は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 60gf±35gf (0.25N ~ 0.93N)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG,)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



5. 材料(MATERIAL)
キャリアテープ(CARRIER TAPE)：ポリスチレン(POLYSTYREN)
トップテープ(TOP TAPE)：PET, PE, PEF
リール(REEL)：ポリスチレン(PS) <リサイクル材を含む>
POLYSTYREN(PS) <RECYCLE MATERIAL CONTAINED>
6. C寸法は SHEET 2～4を参照下さい。
SEE SHEET 2～4(DIMENSION C).
7. ELV AND RoHS COMPLIANT.

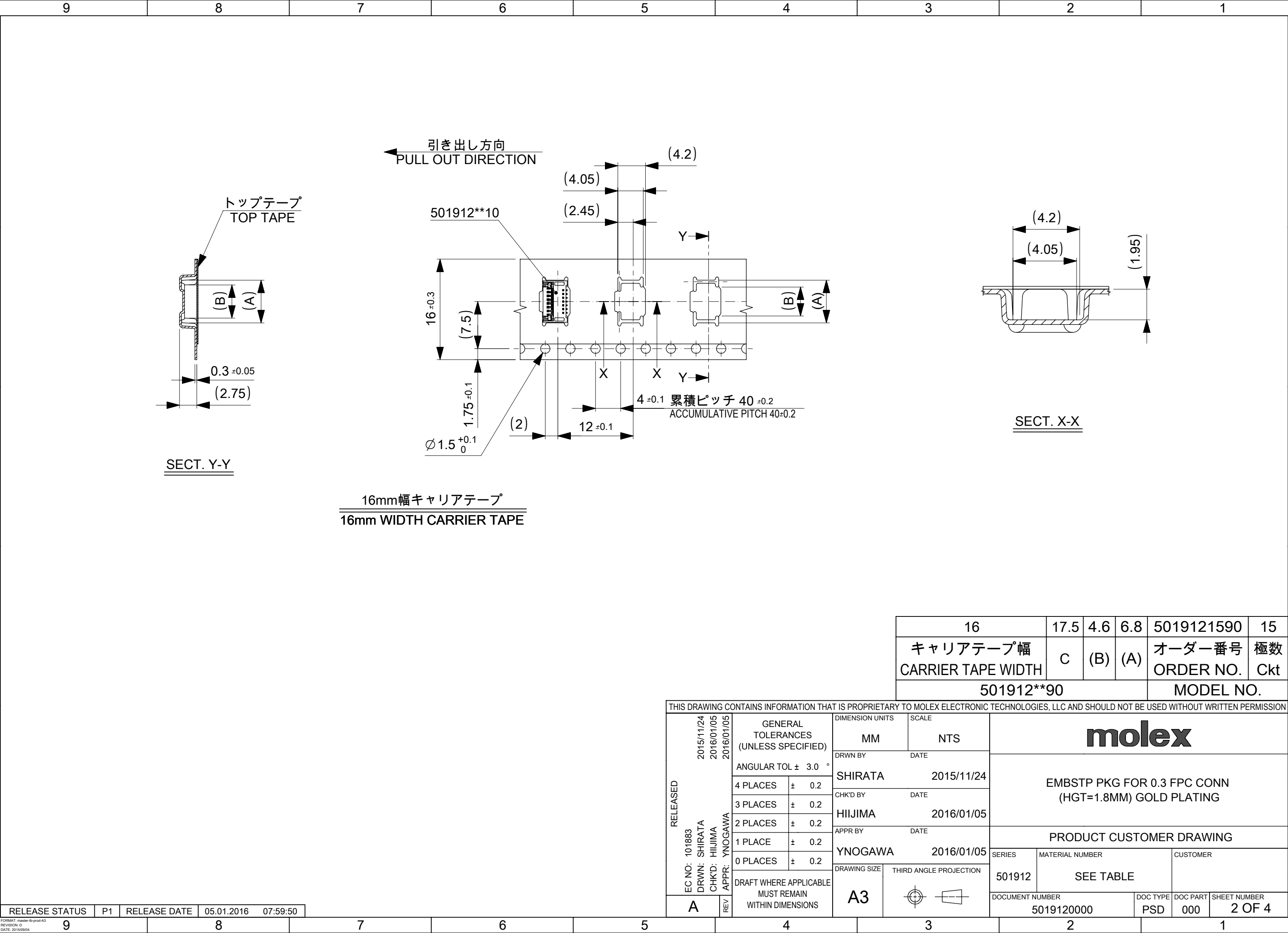
引き出し方向
PULL OUT DIRECTION



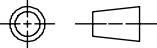
DETAIL "Z"

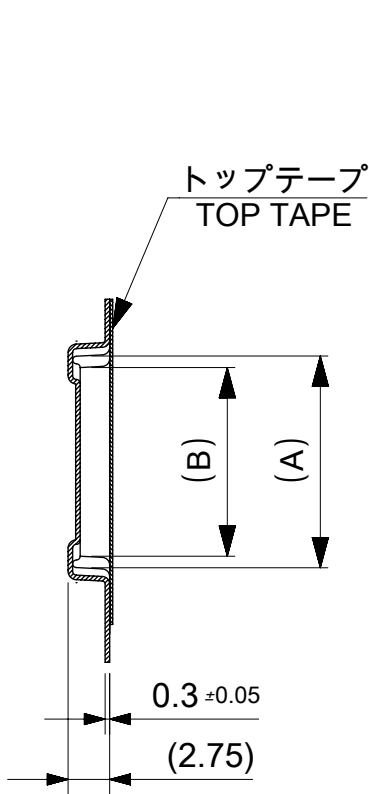
501912**90 MODEL NO.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
RELEASED	EC NO: 101883 DRWN: SHIRATA CHK'D: HIJIMA APPR: YNOGAWA	2015/11/24 2016/01/05 2016/01/05	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex					
					MM		NTS							
			ANGULAR TOL ± 3.0 °		DRWN BY		DATE		EMBSTP PKG FOR 0.3 FPC CONN (HGT=1.8MM) GOLD PLATING					
			4 PLACES ± 0.2		SHIRATA		2015/11/24							
			3 PLACES ± 0.2		CHK'D BY		DATE							
			2 PLACES ± 0.2		HIJIMA		2016/01/05							
			1 PLACE ± 0.2		APPR BY		DATE							
			0 PLACES ± 0.2		YNOGAWA		2016/01/05		PRODUCT CUSTOMER DRAWING					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION							
					A3				501912		SEE TABLE			
A		REV			DOCUMENT NUMBER				DOC TYPE		DOC PART		SHEET NUMBER	
					5019120000				PSD		000		1 OF 4	

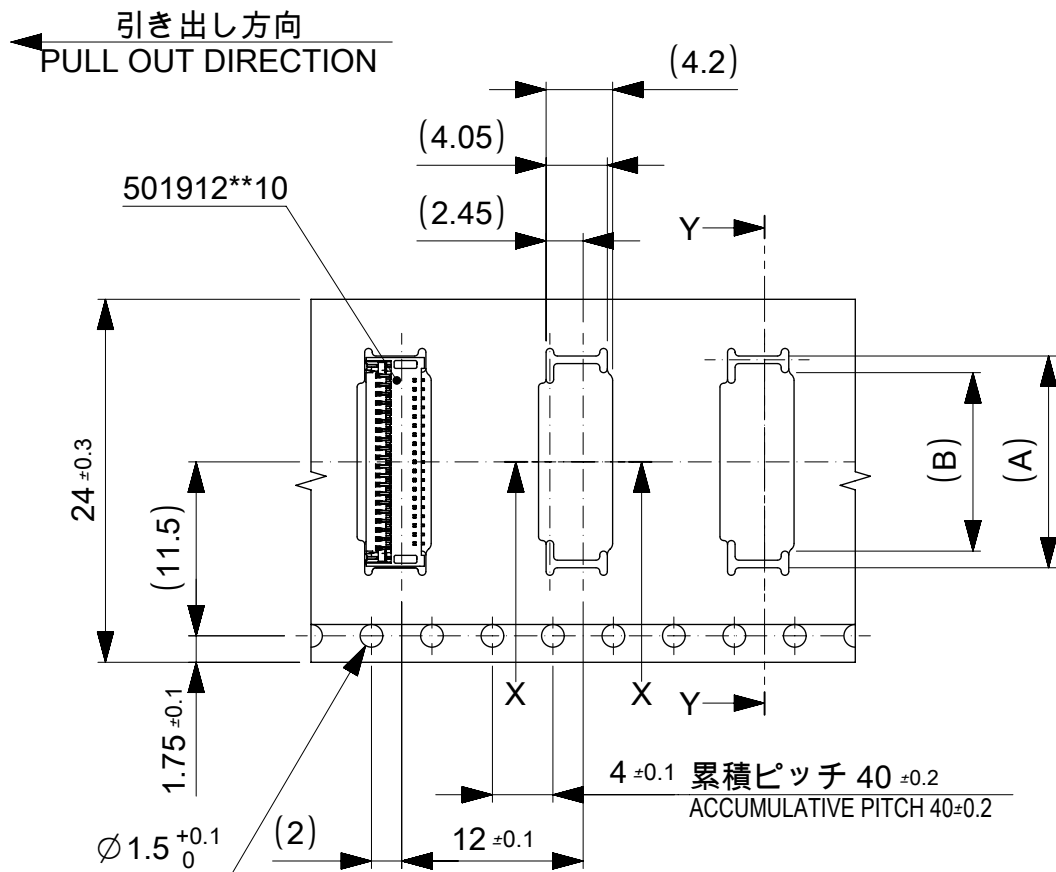


16	17.5	4.6	6.8	5019121590	15
キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	オーダー番号 ORDER NO.	極数 Ckt
501912**90				MODEL NO.	

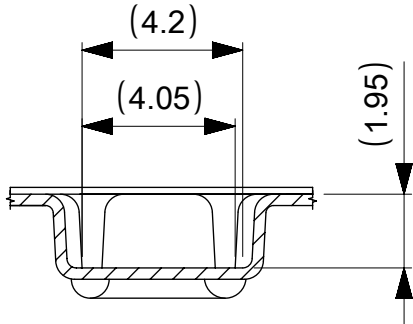
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
RELEASED EC NO: 101883 DRWN: SHIRATA CHK'D: HIIJIMA APPR: YNOGAWA		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex EMBSTP PKG FOR 0.3 FPC CONN (HGT=1.8MM) GOLD PLATING						
				MM		NTS								
		ANGULAR TOL ± 3.0 °		DRWN BY		DATE								
		4 PLACES ± 0.2		SHIRATA		2015/11/24		PRODUCT CUSTOMER DRAWING						
		3 PLACES ± 0.2		CHK'D BY		DATE								
		2 PLACES ± 0.2		HIIJIMA		2016/01/05								
		1 PLACE ± 0.2		APPR BY		DATE								
		0 PLACES ± 0.2		YNOGAWA		2016/01/05								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER				
		A3				501912		SEE TABLE						
A		REV					DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
							5019120000		PSD		000		2 OF 4	
RELEASE STATUS		P1	RELEASE DATE		05.01.2016 07:59:50									
FORMAT: msolec-0h-corr0d-A3														



SECT. Y-Y



24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE



SECT. X-X

24	25.5	12.4	14.6	5019124190	41
		11.8	14.0	5019123990	39
		11.2	13.4	5019123790	37
		10.6	12.8	5019123590	35
		10.0	12.2	5019123390	33
		8.2	10.4	5019122790	27
		7.6	9.8	5019122590	25
		7.0	9.2	5019122390	23
		6.4	8.6	5019122190	21
キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	オーダー番号 ORDER NO.	極数 Ckt
501912**90				MODEL NO.	

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

RELEASED

EC NO: 101883
DRWN: SHIRATA
CHK'D: HIJIMA
REV APPR: YNOGAWA

2015/11/24
2016/01/05
2016/01/05

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 3.0 °

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

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION UNITS
MM

SCALE
NTS

DRWN BY
SHIRATA

DATE
2015/11/24

CHK'D BY
HIJIMA

DATE
2016/01/05

APPR BY
YNOGAWA

DATE
2016/01/05

DRAWING SIZE
A3

THIRD ANGLE PROJECTION

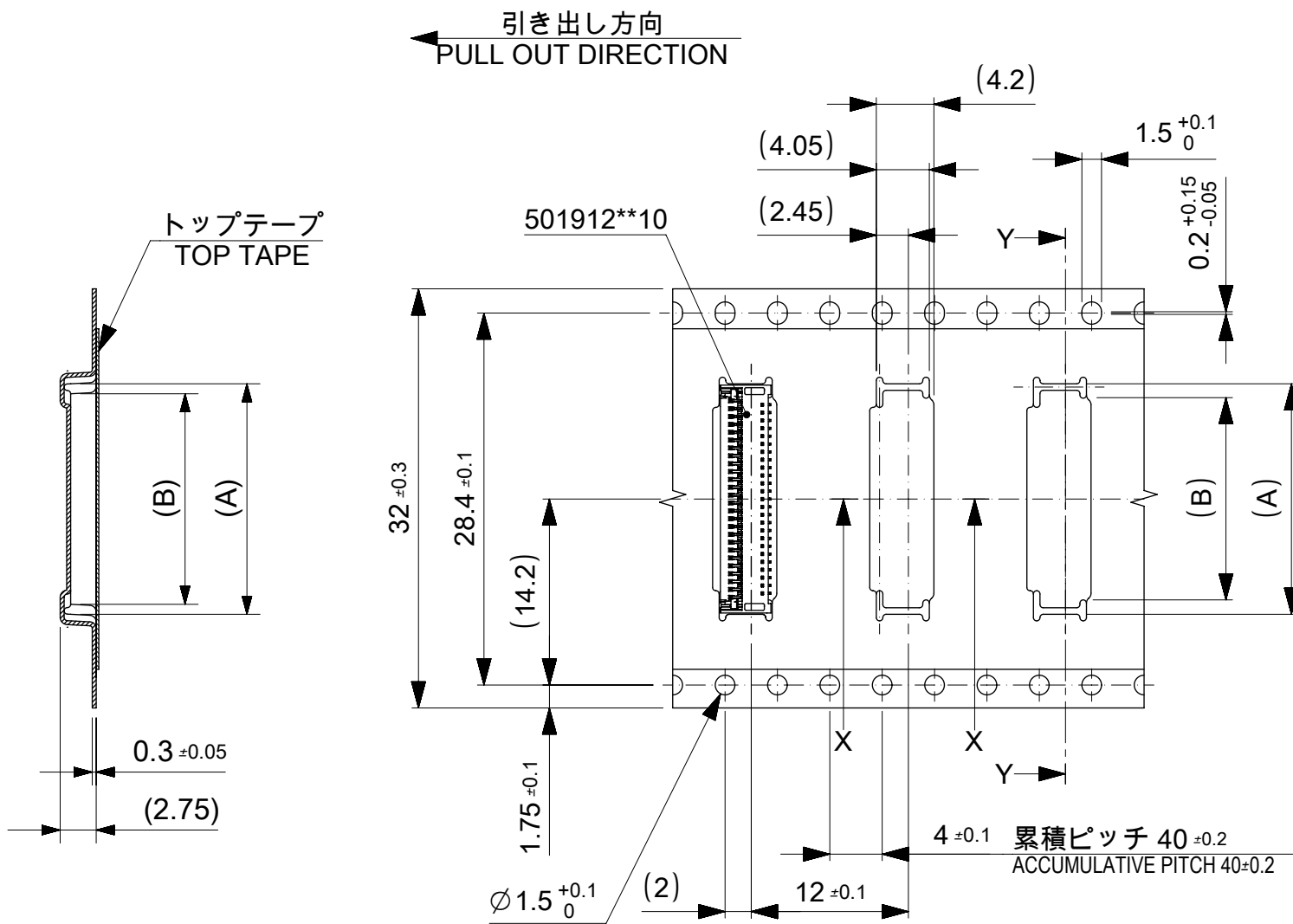
molex

EMBSTP PKG FOR 0.3 FPC CONN
(HGT=1.8MM) GOLD PLATING

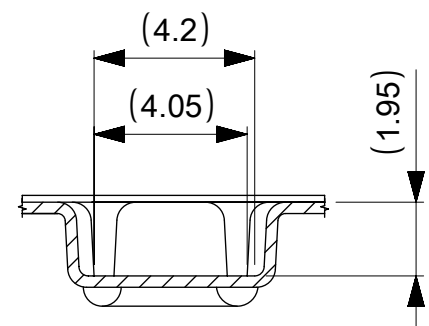
PRODUCT CUSTOMER DRAWING

SERIES 501912	MATERIAL NUMBER SEE TABLE	CUSTOMER
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DOCUMENT NUMBER 5019120000	DOC TYPE PSD	DOC PART 000	SHEET NUMBER 3 OF 4
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SECT. Y-Y

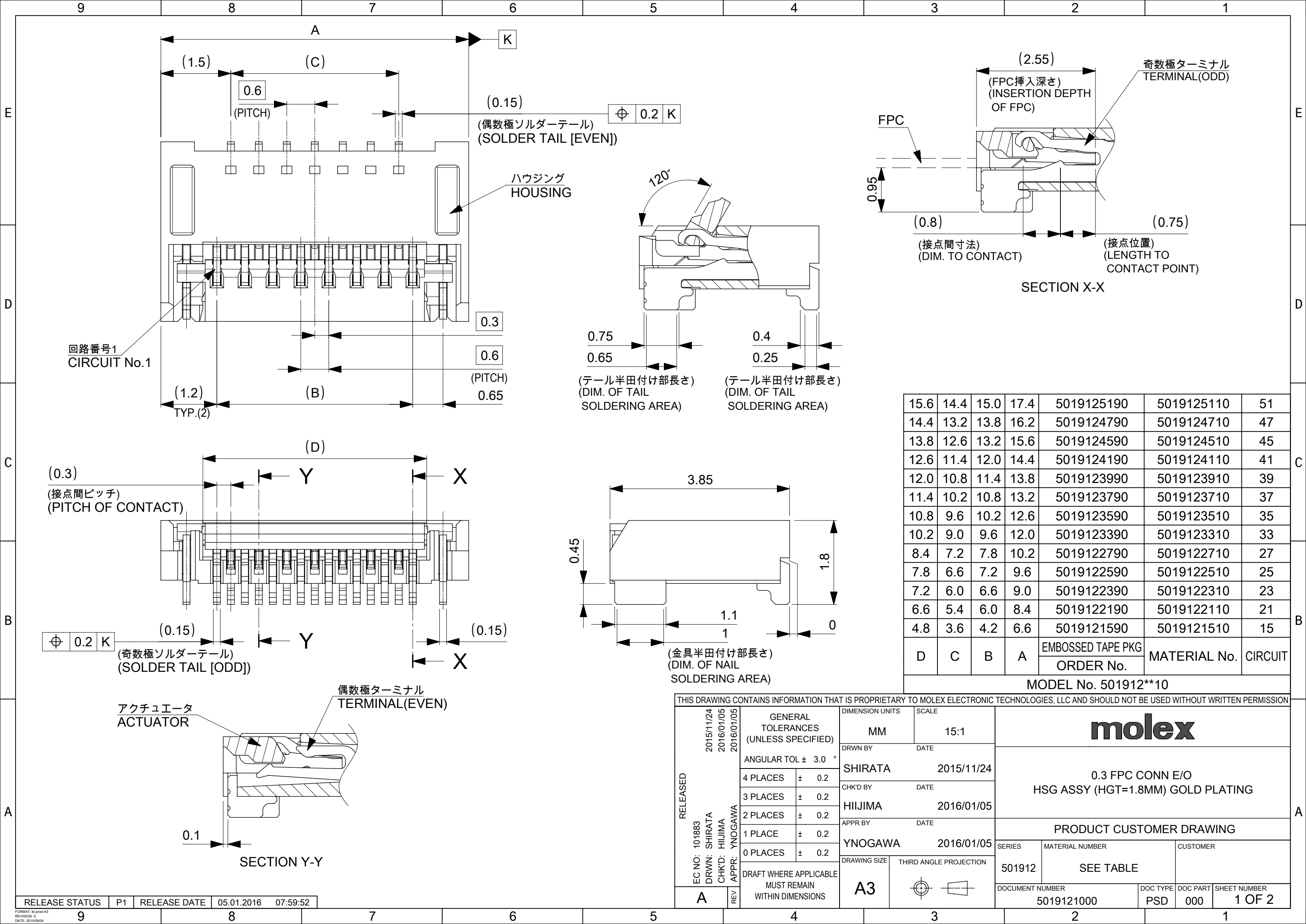


SECT. X-X

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

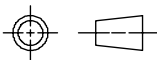
32	33.5	15.4	17.6	5019125190	51
		14.2	16.4	5019124790	47
		13.6	15.8	5019124590	45
キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	オーダー番号 ORDER NO.	極数 Ckt
501912**90				MODEL NO.	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
RELEASED	EC NO: 101883 DRWN: SHIRATA CHK'D: HIJIMA APPR: YNOGAWA	2015/11/24 2016/01/05 2016/01/05	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex				
					MM		NTS						
			ANGULAR TOL ± 3.0 °		DRWN BY		DATE						
			4 PLACES ± 0.2		SHIRATA		2015/11/24						
			3 PLACES ± 0.2		CHK'D BY		DATE						
			2 PLACES ± 0.2		HIIJIMA		2016/01/05						
			1 PLACE ± 0.2		APPR BY		DATE						
			0 PLACES ± 0.2		YNOGAWA		2016/01/05		PRODUCT CUSTOMER DRAWING				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION						
					A3				501912	SEE TABLE			
A	REV			DOCUMENT NUMBER				DOC TYPE	DOC PART	SHEET NUMBER			
5019120000				PSD	000	4 OF 4							



15.6	14.4	15.0	17.4	5019125190	5019125110	51
14.4	13.2	13.8	16.2	5019124790	5019124710	47
13.8	12.6	13.2	15.6	5019124590	5019124510	45
12.6	11.4	12.0	14.4	5019124190	5019124110	41
12.0	10.8	11.4	13.8	5019123990	5019123910	39
11.4	10.2	10.8	13.2	5019123790	5019123710	37
10.8	9.6	10.2	12.6	5019123590	5019123510	35
10.2	9.0	9.6	12.0	5019123390	5019123310	33
8.4	7.2	7.8	10.2	5019122790	5019122710	27
7.8	6.6	7.2	9.6	5019122590	5019122510	25
7.2	6.0	6.6	9.0	5019122390	5019122310	23
6.6	5.4	6.0	8.4	5019122190	5019122110	21
4.8	3.6	4.2	6.6	5019121590	5019121510	15
D	C	B	A	EMBOSSED TAPE PKG	MATERIAL No.	CIRCUIT
				ORDER No.		
MODEL No. 501912**10						

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

RELEASED	EC NO: 101883 DRWN: SHIRATA CHK'D: HIJIMA APPR: YNOGAWA	2015/11/24 2016/01/05 2016/01/05	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 3.0 ° 4 PLACES ± 0.2 3 PLACES ± 0.2 2 PLACES ± 0.2 1 PLACE ± 0.2 0 PLACES ± 0.2 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DIMENSION UNITS		SCALE		molex					
					MM		15:1							
					DRWN BY		DATE							
					SHIRATA		2015/11/24		0.3 FPC CONN E/O HSG ASSY (HGT=1.8MM) GOLD PLATING					
					CHK'D BY		DATE							
					HIJIMA		2016/01/05							
					APPR BY		DATE		PRODUCT CUSTOMER DRAWING					
					YNOGAWA		2016/01/05							
					DRAWING SIZE		THIRD ANGLE PROJECTION							
					A3				SERIES		MATERIAL NUMBER		CUSTOMER	
501912		SEE TABLE		DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER				
5019121000		PSD		000		1 OF 2								

RELEASE STATUS	P1	RELEASE DATE	05.01.2016	07:59:52
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