

Excellent Integrated System Limited

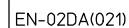
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

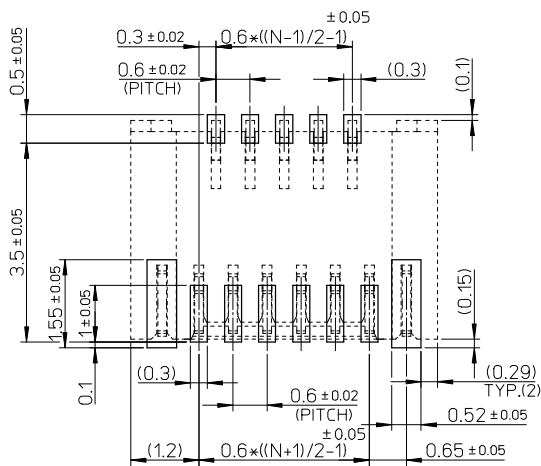
[Molex Connector Corporation](#)
[501912-3990](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

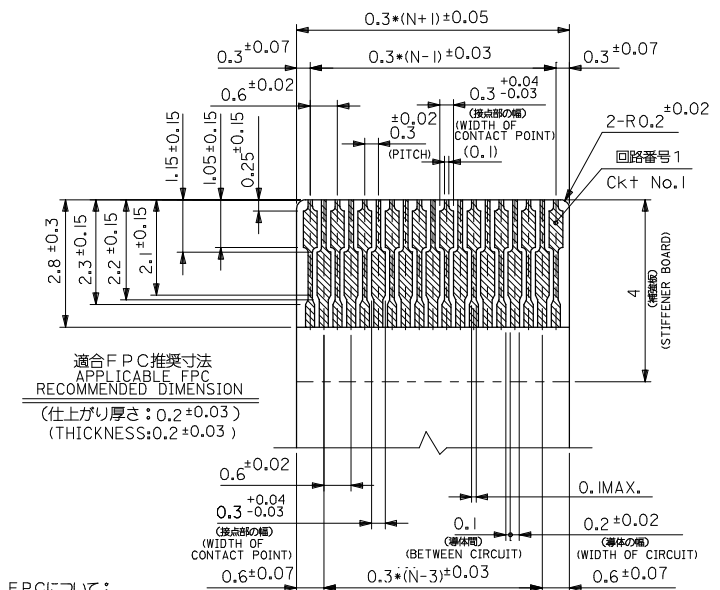


10 9 8 7 6 5 4 3 2 1

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 MATERIAL
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 :

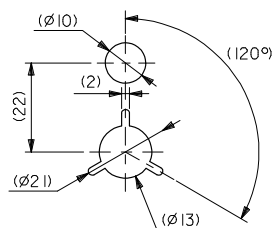
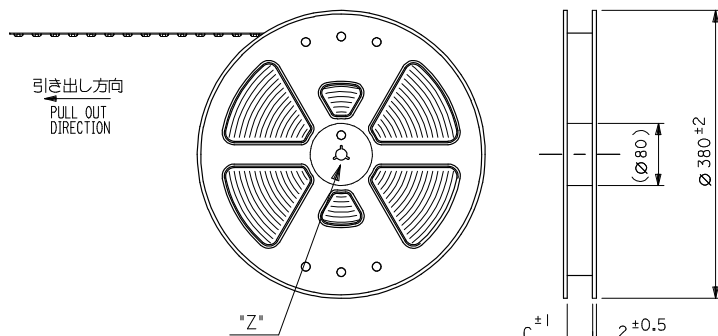
STIFFENER FILM : POLYIMIDE

BONDING AGENT : THERMOSETTING BONDING AGENT

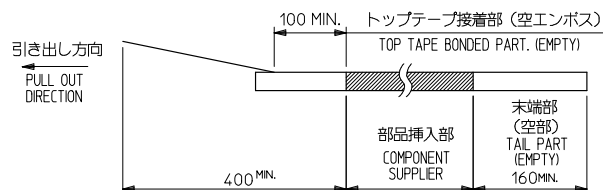
REVISED EC NO: J2008-3324 DRAWN BY: T. ITO CHECKED BY: T. ITO APPROVED BY: T. ITO	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ----	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. HAYASHI	DATE 2005/07/28	TITLE 0.3 FPC CONN E/O HSG ASSY (HGT=1.8MM) GOLDPLATING				
		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	MOLEX INCORPORATED				
		ANGULAR	± 3 °	MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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

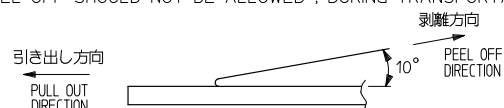
- 製品詳細寸法は製品単体図面を参照して下さい。
FOR DETAIL OF CONNECTOR DIMENSIONS, PLEASE SEE THE DRAWING OF CONNECTOR ITSELF (NOT PACKAGED).
- 梱包数量: 3000個/リール
NUMBER OF CONNECTORS: 3000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



DETAIL "Z"



- 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.

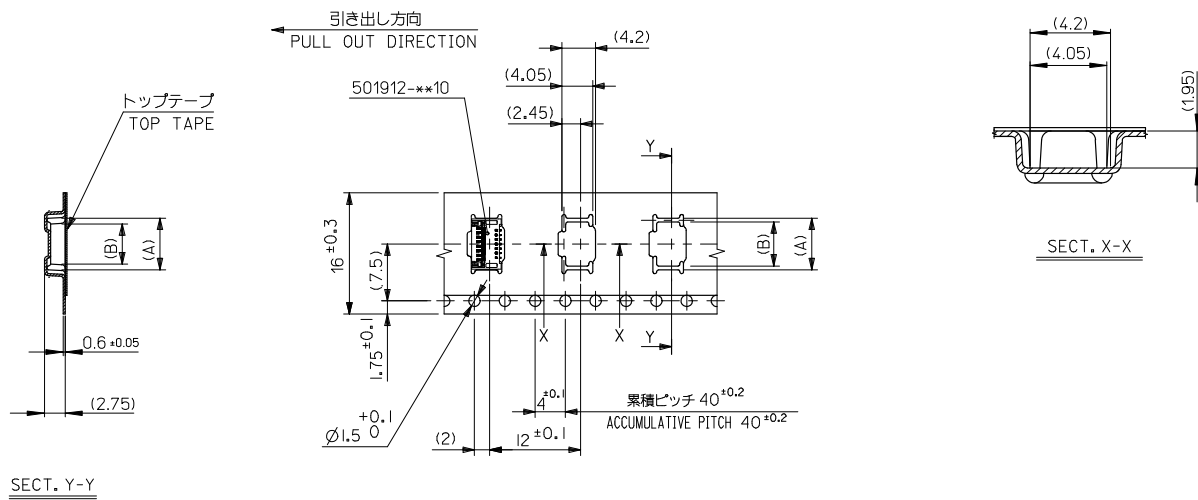


5. 材料(MATERIAL)

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.

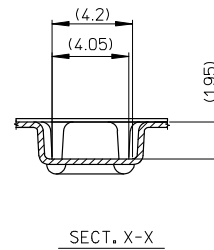
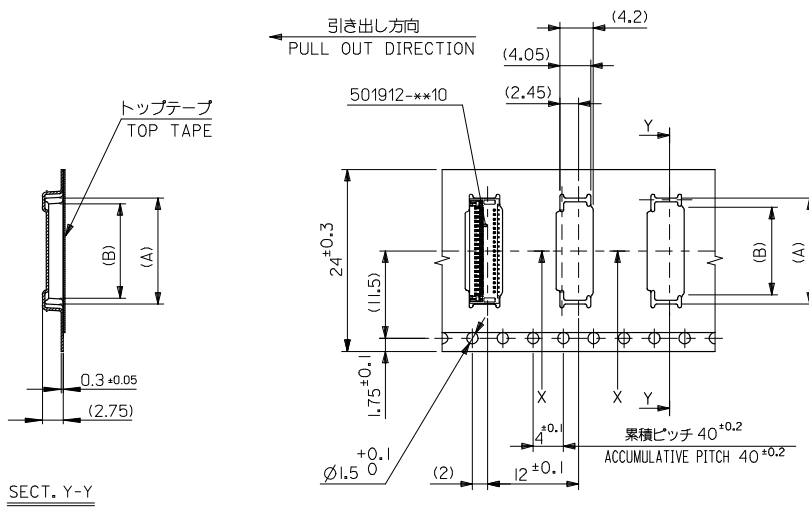
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EC NO: J2008-3324		2008/03/25		10 UNDER		MM ONLY		---		METRIC		THIRD ANGLE PROJECTION	
T1 DRWNTAGMI		2008/04/07		10 OVER 30 UNDER		DRAWN BY		DATE		TITLE		EMBSTP PKG FOR 0.3 FPC	
CHYOKITAKAHASHI		2008/04/07		30 OVER		CHECKED BY		DATE		MOLEX INCORPORATED		CONN (HGT=1.8MM)	
APPR:KTAHASHI		2008/04/07		ANGULAR ±3 °		APPROVED BY		DATE		SD-501912-002		GOLD PLATING	
REV		DESCRIPTION		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		1 OF 4	
SIZE		A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SEE TABLE		SD-501912-002		EN-02JA(021)			



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 Ckt
				501912-**90	MODEL No.

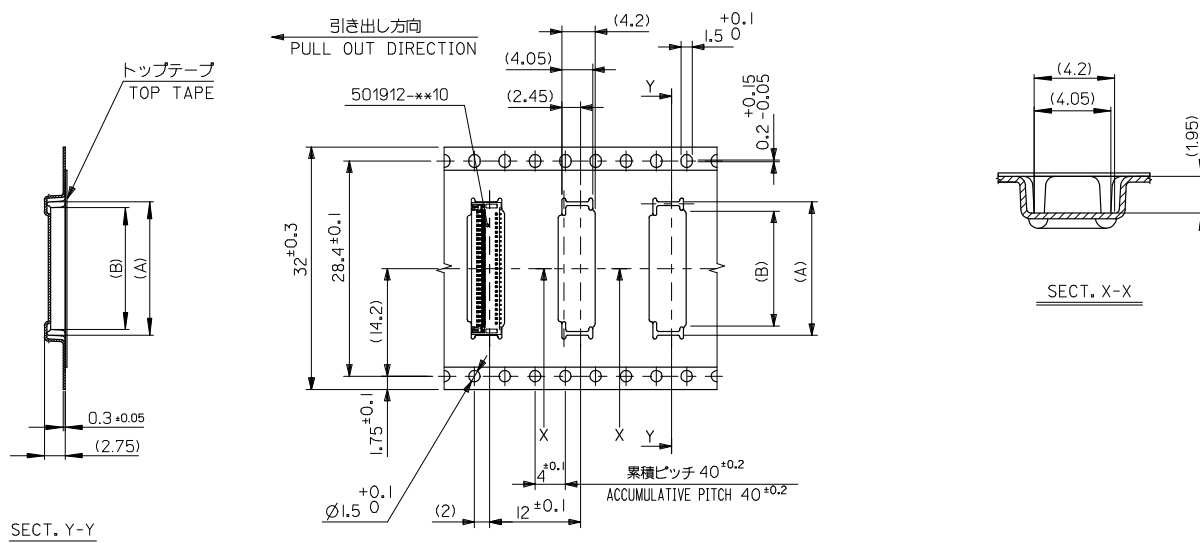
REVISED	EC NO. :J2008-3324	2008/03/25 DRAWN: M. HAYASHI	2008/04/07 CHECKED: CHYOKI TAKAHASHI	2008/04/07 APPROVED: K. TAKAHASHI	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
						10 UNDER ±0.2		DRAWN BY DATE M. HAYASHI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



24mm 幅キャリアテープ
24mm WIDTH CARRIER TAPE

24	25.5	12.4	14.6	501912-4190	41
		11.8	14.0	501912-3990	39
		11.2	13.4	501912-3790	37
		10.6	12.8	501912-3590	35
		10.0	12.2	501912-3390	33
		8.2	10.4	501912-2790	27
		7.6	9.8	501912-2590	25
		7.0	9.2	501912-2390	23
キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	製品番号 MATERIAL No.	極数 Ckt
				501912-3990	MODEL No.

REVISED EC NO: J2008-3324 T1 DRWNHTAGMI 2008/03/25 CHKDKTAKAHASHI 2008/04/07 APPRKTAKAHASHI 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 M. HAYASHI	DATE 2005/10/11	TITLE EMBSTP PKG FOR 0.3 FPC CONN (HGT=1.8MM) GOLD PLATING  MOLEX INCORPORATED		
		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			
		ANGULAR	± 3 °	MATERIAL NO.	DOCUMENT NO.			
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE		SD-501912-002		SHEET NO. 3 OF 4	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



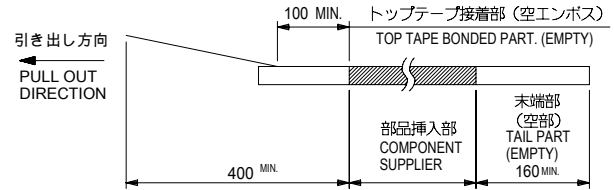
32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

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 Ckt No
				501912-***0	MODEL No

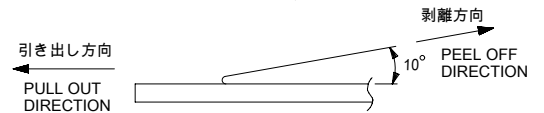
REVISED	EC NO: J2008-3324 TDRNHTAGMI CHKO-KTAKAHASHI APPRKTAKAHASHI	2008/03/25 2008/04/07 2008/04/07	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
				10 UNDER	±0.2	DRAWN BY M. HAYASHI	DATE 2005/10/11	TITLE EMBSTP PKG FOR 0.3 FPC CONN (HGT=1.8MM) GOLD PLATING MOLEX INCORPORATED		
				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			
				ANGULAR	±3 °	MATERIAL NO.	DOCUMENT NO.			
REV				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	SD-501912-002	SHEET NO. 4 OF 4			
				SIZE	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



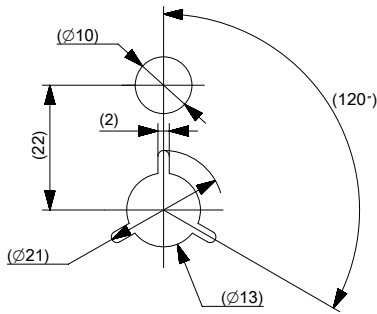
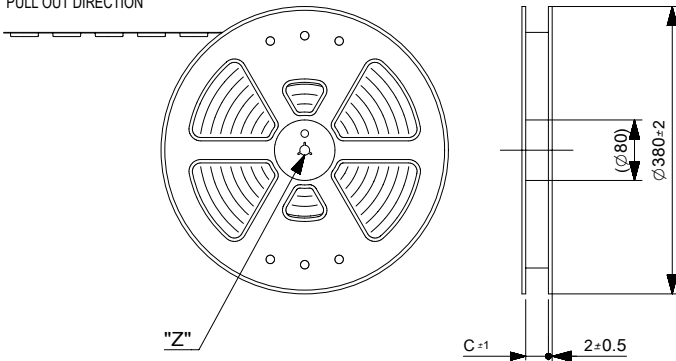
- トップテープの剥離強度: $60 \pm 35 \text{ gf}$ ($0.25 \text{ N} \sim 0.93 \text{ N}$) (剥離方向は下図参照) 尚、本規格は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE: $60 \text{ gf} \pm 35 \text{ gf}$ ($0.25 \text{ N} \sim 0.93 \text{ N}$) (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.) THIS REQUIREMENT SHOULD BE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



- 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.

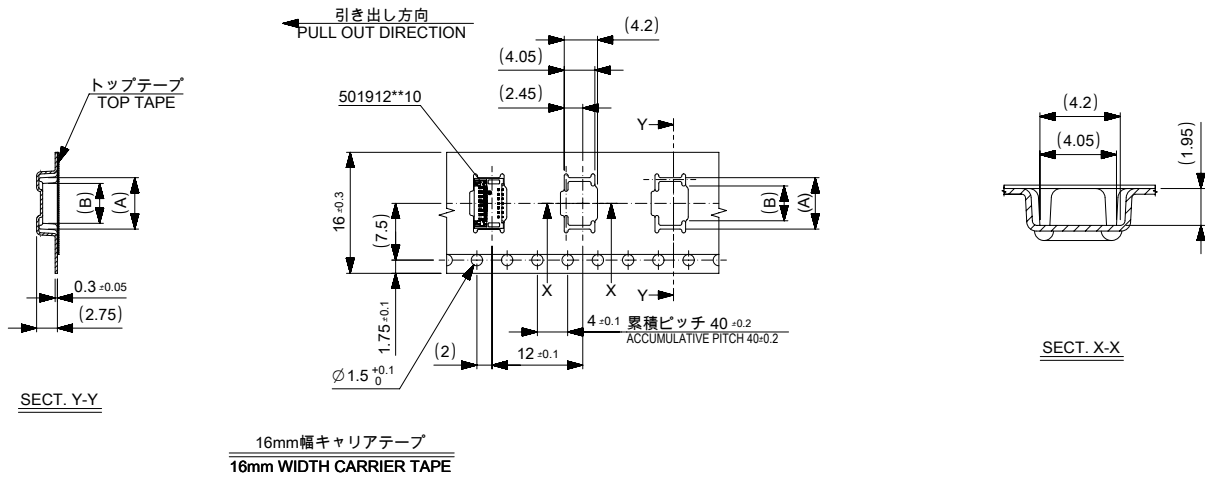
501912**90 MODEL NO.

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 CHKD: HIJIMA APPR: YNOGAWA	2015/11/24 2016/01/05 2016/01/05	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						
			3 PLACES ± 0.2		CHKD 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								SERIES	MATERIAL NUMBER	CUSTOMER
											501912	SEE TABLE	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRAWING SIZE	THIRD ANGLE PROJECTION								
				A3			DOCUMENT NUMBER						
							5019120000						
							DOC TYPE		SHEET NUMBER				
							PSD		1 OF 4				
							000						

引き出し方向
PULL OUT DIRECTION

DETAIL "Z"

RELEASE STATUS P1 RELEASE DATE 05.01.2016 07:59:50



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.	

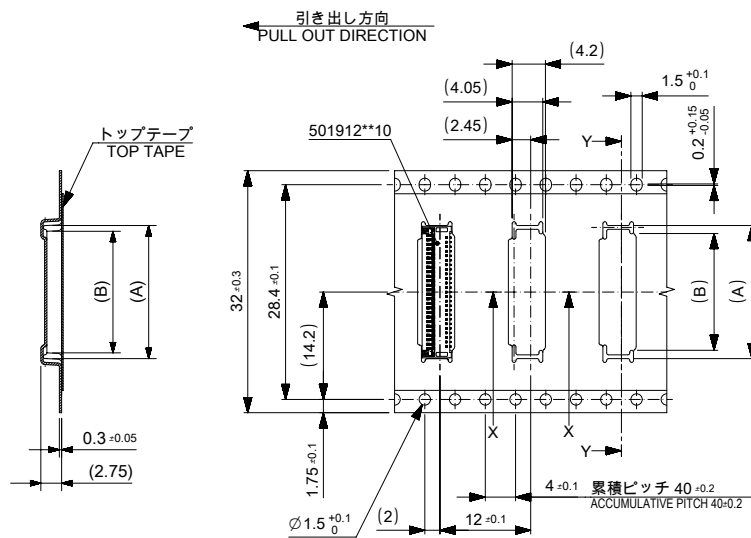
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
RELEASED EC NO: 101883 DRWN: SHIRATA CHKD: HIJIMA APPR: YNOGAWA REV: A	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE
	ANGULAR TOL ± 3.0 °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

RELEASE STATUS	P1	RELEASE DATE	05.01.2016	07:59:50
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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		2015/11/24		GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION UNITS		SCALE		molex					
	DRWN: SHIRATA		2016/01/05					MM		NTS							
	CHKD: HIJIMA		2016/01/05		ANGULAR TOL ± 3.0 °			DRWN BY		DATE		EMBSTP PKG FOR 0.3 FPC CONN (HGT=1.8MM) GOLD PLATING					
	APPR: YNOGAWA				4 PLACES ± 0.2		SHIRATA		2015/11/24								
					3 PLACES ± 0.2		CHKD 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						
							DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER		
						A3				501912		SEE TABLE					
A				DRAWN WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER	
										5019120000		PSD		000		3 OF 4	



SECT. Y-Y

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 CHKD: HIJIMA APPR: YNOGAWA REV: A	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE
	ANGULAR TOL ± 3.0 °		MM		NTS
	4 PLACES ± 0.2		DRWN BY		DATE
	3 PLACES ± 0.2		SHIRATA		2015/11/24
	2 PLACES ± 0.2		CHKD BY		DATE
	1 PLACE ± 0.2		HIJIMA		2016/01/05
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR BY		DATE	
		YNOGAWA		2016/01/05	
		DRAWING SIZE		THIRD ANGLE PROJECTION	
		A3			
		SERIES		MATERIAL NUMBER	
		501912		SEE TABLE	
		DOCUMENT NUMBER		DOC TYPE	
		5019120000		PSD	
		DOC PART		SHEET NUMBER	
		000		4 OF 4	

