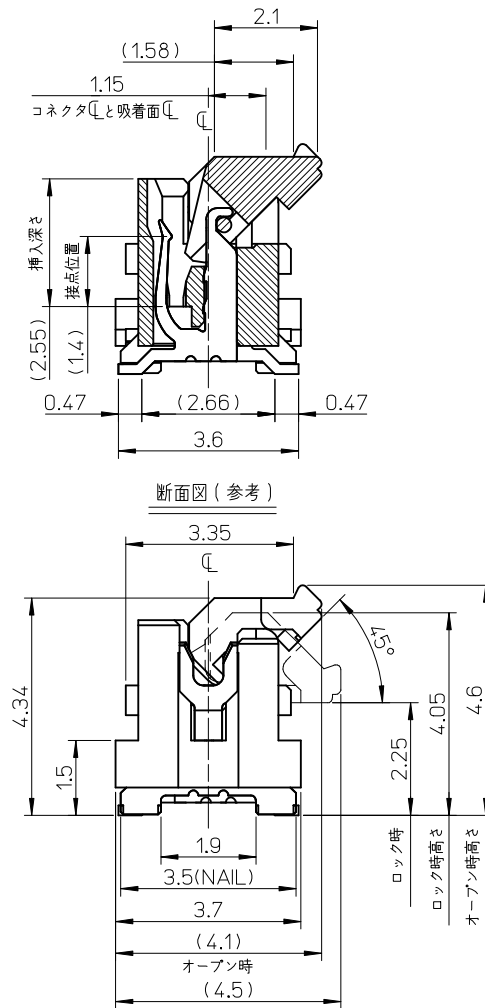
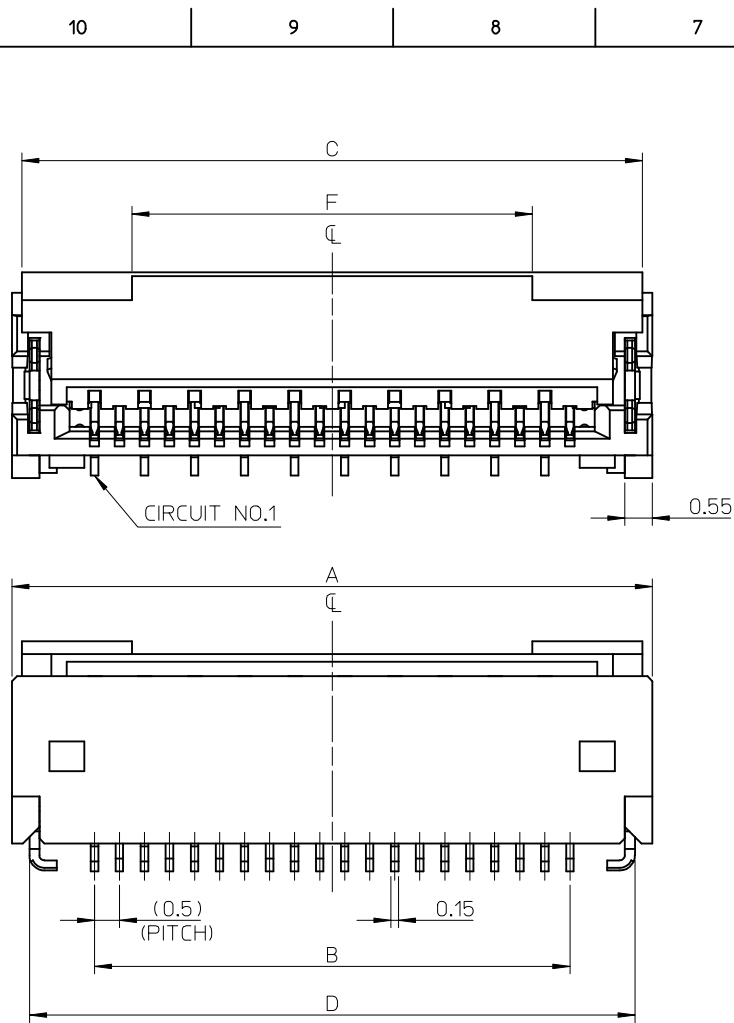




注記 NOTES

1. 使用材料 MATERIAL

ハウジング : 液晶ポリマー ガラス充填, UL94V-0(白)
HOUSING : LIQUID CRYSTAL POLYMER
GLASS FILLED, UL94V-0 (WHITE)
アクチュエータ : ポリアミド 9T, ガラス充填, UL94V-0(茶)
ACTUATOR : POLYAMIDE 9T, GLASS FILLED,
UL94V-0 (BROWN)
ターミナル : 銅合金(t=0.15)
TERMINAL : COPPER ALLOY
金具 : 銅合金(t=0.2)
FITTING NAIL : COPPER ALLOY

2. めっき仕様 PLATING

ターミナル TERMINAL

コンタクト部 : 部分金めっき(0.1μm以上)

テール部 : 部分金めっき

下地 : ニッケルめっき(1.0μm以上)

CONTACT AREA : SEPARATED GOLD PLATING
(0.1 MICROMETER MINIMUM)

SOLDER TAIL AREA : SEPARATED GOLD PLATING
UNDERPLATE : NICKEL OVERALL

金具 FITTING NAIL

ニッケル下地めっき

銅めっき(1.0μm以上)

ニッケルめっき(1.0μm以上)

TIN(Sn) OVER NICKEL(Ni) PLATING,

TIN PLATING (1.0 MICROMETER MINIMUM)

NICKEL PLATING (1.0 MICROMETER MINIMUM)

3. テールと金具を併せた平坦度は 0.1ミリメートル以下(リフロー前)

TAILS AND NAILS COPLANARITY
TO BE 0.1 MAX. (BEFORE REFLOW)

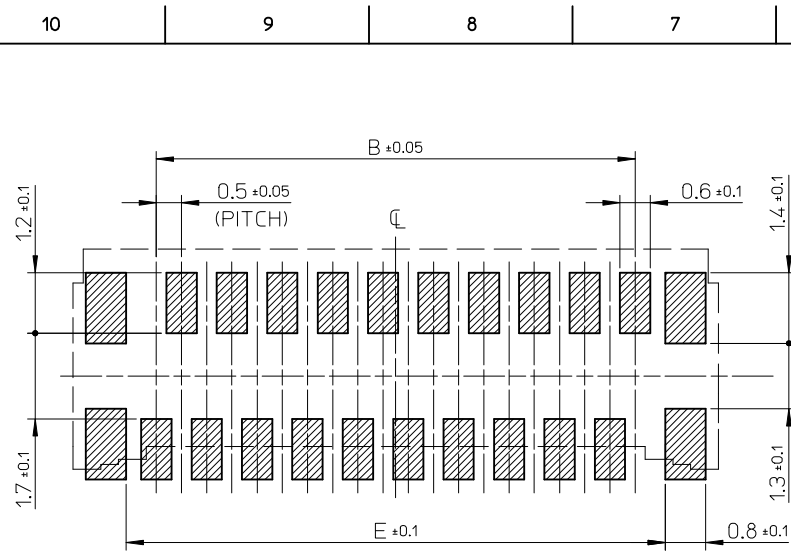
4. ELV及びRoHS適合品

ELV AND RoHS COMPLIANT

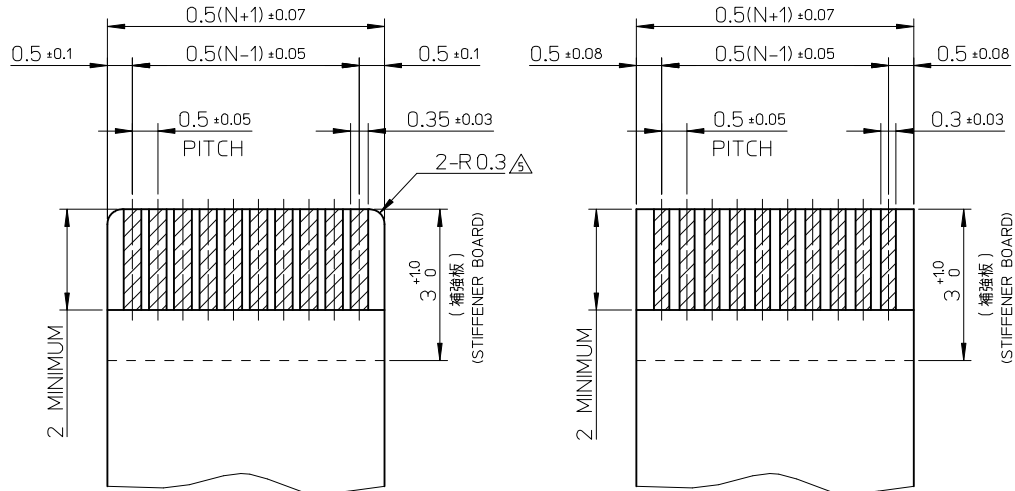
△ R0.3は、FPC導体部にかからないこと。
R0.3 MUST NOT BE OVERLAPPED
TO PATTERN OF FPC.

8	35.7	37.1	37.4	34.5	37.8	501951-7019	70
	30.7	32.1	32.4	29.5	32.8	501951-6019	60
	25.7	27.1	27.4	24.5	27.8	501951-5019	50
	23.2	24.6	24.9	22	25.3	501951-4519	45
	20.7	22.1	22.4	19.5	22.8	501951-4019	40
	16.7	18.1	18.4	15.5	18.8	501951-3219	32
	15.7	17.1	17.4	14.5	17.8	501951-3019	30
	12.7	14.1	14.4	11.5	14.8	501951-2419	24
	11.7	13.1	13.4	10.5	13.8	501951-2219	22
F	10.7	12.1	12.4	9.5	12.8	501951-2019	20
	F	E	D	C	B	A	MATERIAL NO. CIRCUITS

REVISED EC NO.: J2015-1526 DRAWN: AISHI 2015/05/18 CHKD: KATAHASHI 2015/05/18 APPR: YNOGAWA 2015/05/20	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		0.25 UNDER		± 0.03		DRAWN BY	DATE	TITLE 0.5 FPC CONN. HSG ASSY EASY ON / STRAIGHT (GOLD) molex			
		0.25 OVER 0.5 UNDER		± 0.05		TRSUZUKI	2006/08/21				
		0.5 OVER 1.0 UNDER		± 0.1		CHECKED BY	DATE				
		1.0 OVER 10 UNDER		± 0.2		HHIRATA	2006/08/21				
		10 OVER 30 UNDER		± 0.25		APPROVED BY	DATE				
		30 OVER		± 0.3		MSASAO	2006/08/21				
		ANGULAR ±1 °				MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
						SEE CHART		SD-501951-003		1 OF 2	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE A3	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 (マウント面)
P.C. BOARD PATTERN DIMENSION (REF.)
(MOUNT AREA)



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
(仕上がり厚さ: 0.3 ±0.05)
(THICKNESS: 0.3 ±0.05)

N: 極数
N: CIRCUITS

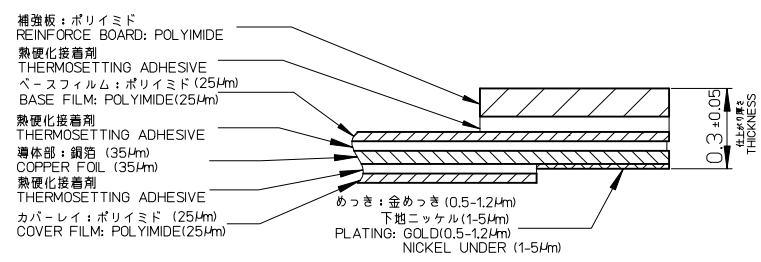
適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
(仕上がり厚さ: 0.3 ±0.05)
(THICKNESS: 0.3 ±0.05)

N: 極数
N: CIRCUITS

FPCについて ABOUT FPC

補強フィルム材質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。
尚、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、染み出しが無い様お願い致します。

RECOMMENDED MATERIAL/THICKNESS.
RECOMMENDED STIFFENER MATERIAL: POLYIMIDE
RECOMMENDED BASE FILM THICKNESS: 25 MICROMETER
RECOMMENDED ADHESIVE: THERMOSETTING ADHESIVE
NOTE: PLEASE PUT APPROPRIATE AMOUNT OF ADHESIVE ON ADHEREND BECAUSE THERE IS A POSSIBILITY THAT THE EXTRA ADHESIVE CAUSES THE DEFECT IN ELECTRICAL CONTINUITY.
THERE IS A POSSIBILITY THAT THE PRESCRIPT TEMPERATURE OF FFC IS SET TO SINGLE IT.



FPC構成推奨仕様
STRUCTURE OF FPC

FPC/FFCについて ABOUT FPC/FFC

打ち抜き方向は導体側から補強板側を推奨します。
導体部については軟箔銅35μmまたは50μmを推奨します。
FFCに規定された定格温度が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、接着層が劣化するなどの信頼性を満足できないケースを回避するため、
実機での評価/確認をお願い致します。
RECOMMENDED PUNCHING DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER SIDE
RECOMMENDED CONDUCTOR SPEC: SOFT COPPER FOIL
RECOMMENDED CONDUCTOR THICKNESS: 35 MICROMETER OR 50 MICROMETER
NOTE: WHEN ACTUALLY USING IT WITH CONNECTOR, PLEASE DO THE EVALUATION AND THE CONFIRMATION WITH AN ACTUAL EQUIPMENT TO EVADE THE CASE WHERE RELIABILITY CANNOT BE FILLED (THE ADHESIVE LINE OF FFC IS DETERIORATED ETC.)

SEE SHEET 1 OF 2 EC NO: J2015-1526 DRAWN: DRWNAISHI 2015/05/18 CHKD:K TAKAHASHI 2015/05/18 APPR: YNOGAWA 2015/05/20	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		0.25 UNDER		±0.03	DRAWN BY	DATE	TITLE 0.5 FPC CONN. HSG ASSY EASY ON / STRAIGHT (GOLD)			
		0.25 OVER	0.5 UNDER	±0.05	TRSUZUKI	2006/08/21				
		0.5 OVER	1.0 UNDER	±0.1	CHECKED BY	DATE	molex			
		1.0 OVER	10 UNDER	±0.2	HIRATA	2006/08/21				
		10 OVER	30 UNDER	±0.25	APPROVED BY	DATE	SD-501951-003			
		30 OVER		±0.3	MSASAO	2006/08/21				
		ANGULAR ±1 °		SEE SHEET 1 OF 2		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	REV									

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E

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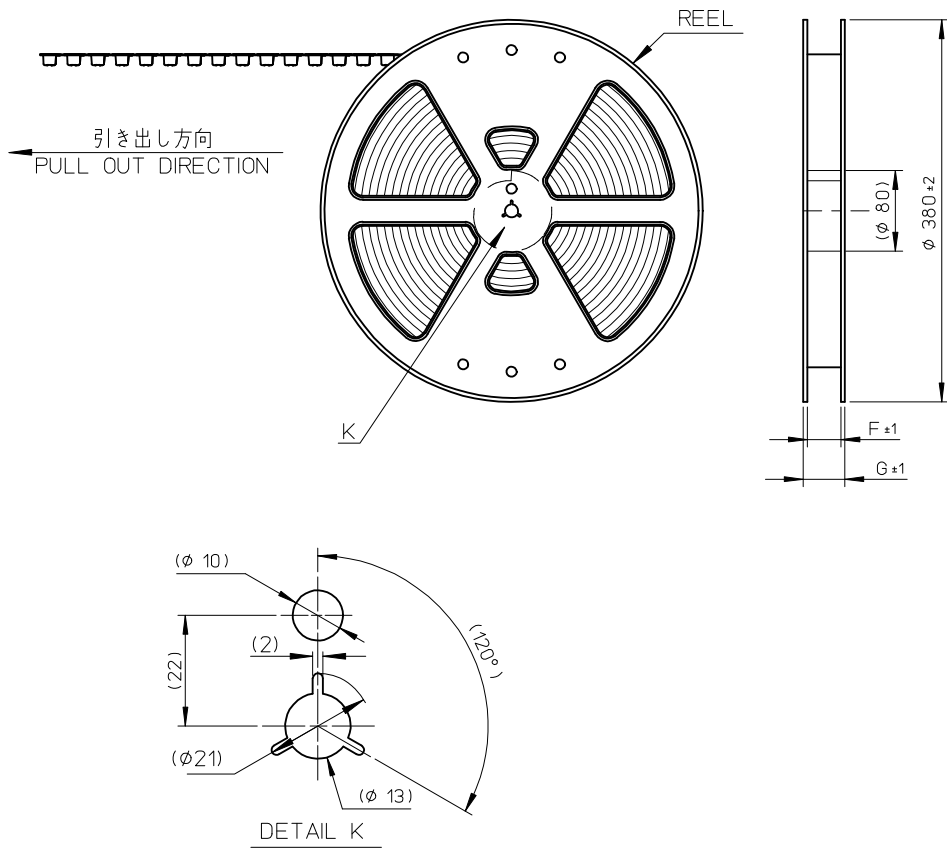
C

B

B

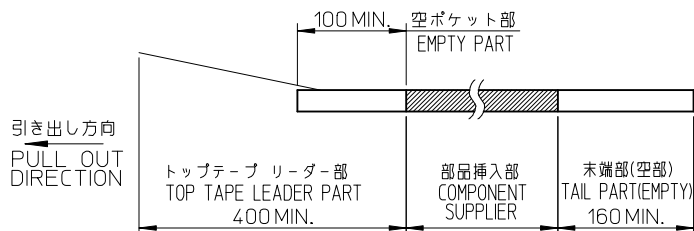
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NOTES

- 製品詳細寸法については図面 SD-501951-003を参照下さい。
FOR DIMENSIONS OF PRODUCT, REFER TO SD-501951-003.
- 梱包数量 : 2000個/リール
NUMBER OF CONNECTORS : 2000PIECES/REEL
- リードテープ長さ
LEAD TAPE LENGTH



4. 材料 MATERIAL

キャリアテープ : ポリプロピレン
CARRIER TAPE : POLYPROPYLENE
トップテープ : ポリエチレンテレフタレート, ポリエチレン
TOP TAPE : POLYETHYLENE TEREPHTHALATE , POLYETHYLENE
リール : ポリスチレン<リサイクル材を含む>
REEL : POLYSTYRENE<RECYCLE MATERIAL CONTAINED>

5. ELV及びRoHS適合品 ELV AND RoHS COMPLIANT

REVISED EC NO: J2014-0085 2013/07/17 DRAWN: KONDO 2013/07/17 CHKD: TAKAHASHI 2013/07/17 APPR: YNOGAWA	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY	DATE	TITLE 0.5 FPC CONN. HSG ASSY E/O STRAIGHT EMBSTP PKG (GOLD)				
		10 OVER 30 UNDER	±0.25	CHECKED BY	DATE					
		30 OVER	±0.3	APPROVED BY	DATE	DOCUMENT NO. molex				
		ANGULAR	±1 °	MSASAO	2006/09/05					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		SHEET NO. 1 OF 2				
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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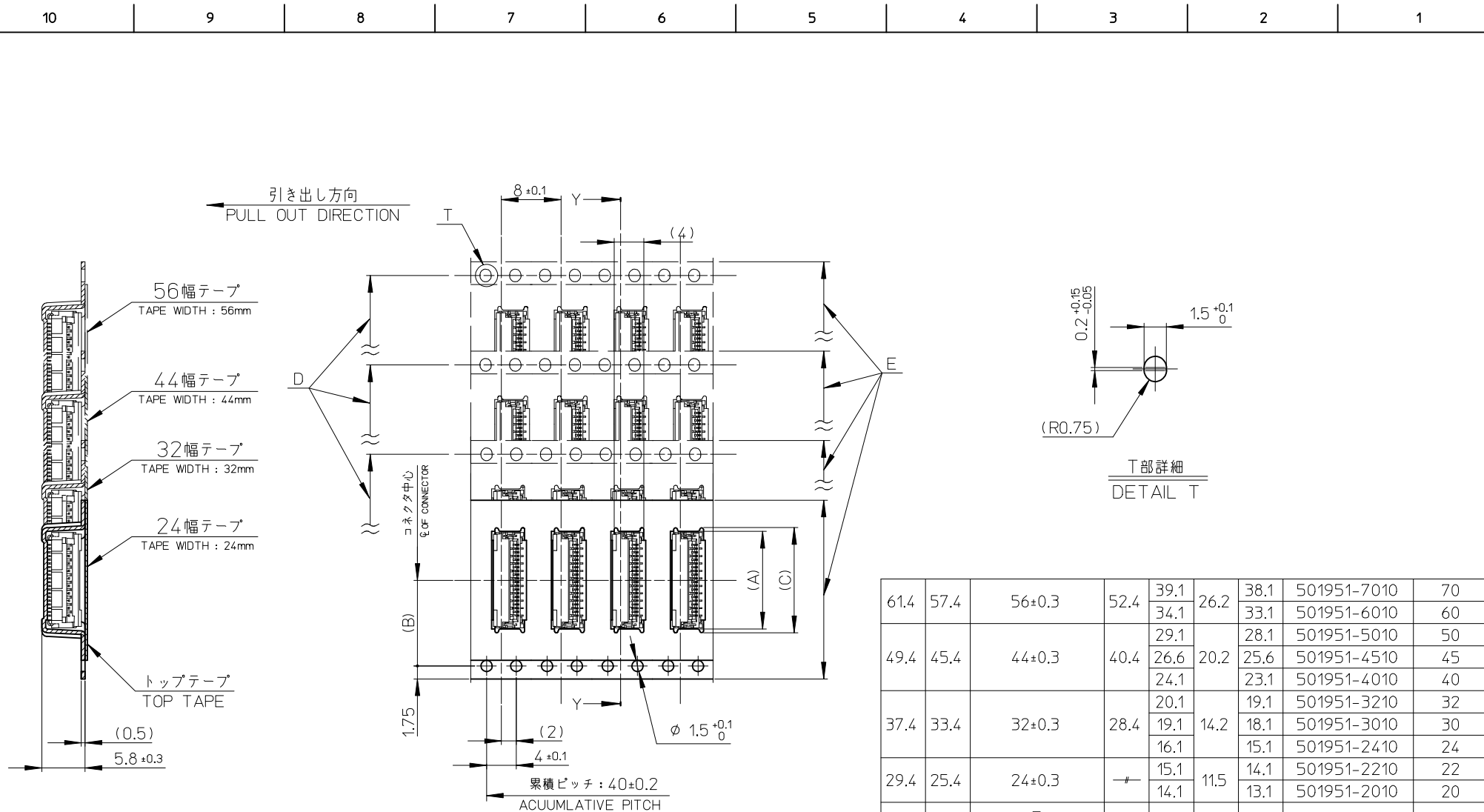
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断面 Y-Y
SECTION Y-Y

REVISED	EC NO: J2014-0085	DRAWN: KONDO 2013/07/17	CHKD: TAKAHASHI 2013/07/17	APPR: YNOGAWA 2013/07/17	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
						10 UNDER	± 0.2	DRAWN BY TRSUZUKI	DATE 2006/09/05	TITLE 0.5 FPC CONN. HSG ASSY E/O STRAIGHT EMBSTP PKG (GOLD)		
						10 OVER 30 UNDER	± 0.25	CHECKED BY HHIRATA	DATE 2006/09/05			
						30 OVER	± 0.3	APPROVED BY MSASAO	DATE 2006/09/05			
						ANGULAR ±1 °		MATERIAL NO.				
REV						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-501951-004		2 OF 2
								SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		