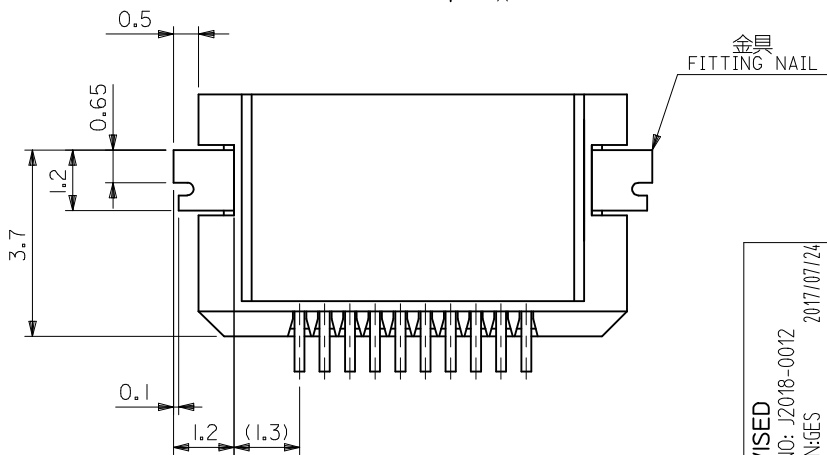
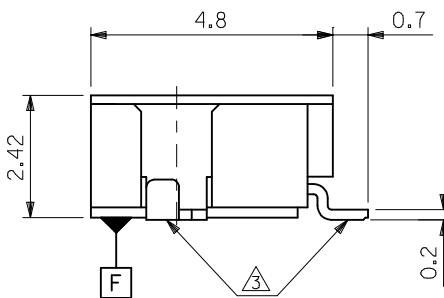
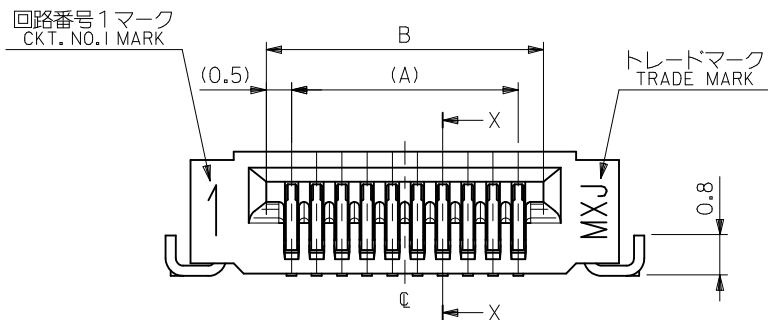
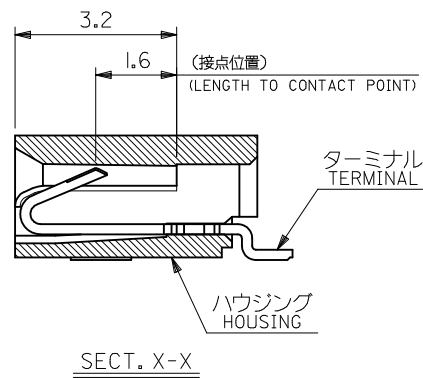
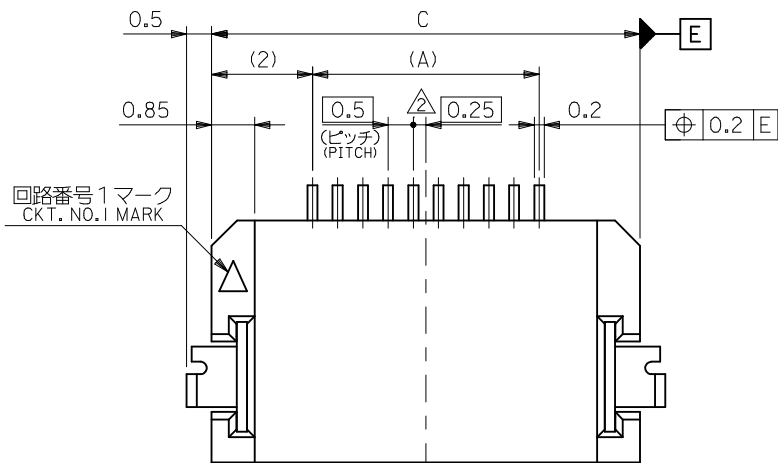


10 9 8 7 6 5 4 3 2 1



注記 NOTES

1. 材質 MATERIAL
ハウジング: PPS, UL94V-0
HOUSING: PPS, UL94V-0
ターミナル: リン青銅 (t=0.2)、ニッケル下地 錫ビスマスメッキ
TERMINAL: PHOS-BRO.(t=0.2), TIN-BIMUSTH OVER NICKEL PLATING
金具: リン青銅 (t=0.2)、ニッケル下地 錫メッキ
FITTING NAIL: PHOS-BRO.(t=0.2), TIN OVER NICKEL PLATING
HARF BRIGHT PLATING
- △ 偶数極に適用。
APPLY FOR EVEN CIRCUIT.
△ ソルダータール半田付け面及び金具半田付け面のズレ量は、基準面 F に対し、上方向 0.1 MAX. 下方向 0.15 MAX. とする。
MISALIGNMENT OF SOLDER TAILS AND FITTING NAILS FROM F : UPPER DIRECTION 0.1 MAX. : LOWER DIRECTION 0.15 MAX.
5. 本製品は 52976-***40 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52976-***40

18.5	15.5	14.5	52976-3072	52976-3049	30
15.5	12.5	11.5	-2472	-2449	24
12.5	9.5	8.5	-1872	-1849	18
11.5	8.5	7.5	-1672	-1649	16
8.5	5.5	4.5	-1072	-1049	10
8.0	5.0	4.0	-0972	-0949	9
7.5	4.5	3.5	52976-0872	52976-0849	8
C	B	A	EMBOSSED TAPE PKG. ORDER No. オーダー番号	MATERIAL NO.	極数 NO. OF CKT.

REVISED EC NO: J2018-0012 DRAWN:GES CHKD: APPR:MSASAO	DESCRIPTION 2017/07/24 2017/07/28	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		0.25 UNDER			DRAWN BY		TITLE 0.5 FFC/FPC CONN NON-ZIF HSG ASSY(BOTTOM CONTACT) -LEAD FREE- molex		DOCUMENT NO. SD-52976-010		SHEET NO. 1 OF 2	
		0.25 OVER 0.5 UNDER			DATE							
		0.5 OVER 1.0 UNDER			CHECKED BY							
		0 OVER 10 UNDER			DATE		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		10 OVER 30 UNDER			APPROVED BY							
		30 OVER			DATE							
		ANGULAR ±3 °			MATERIAL NO.							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3							

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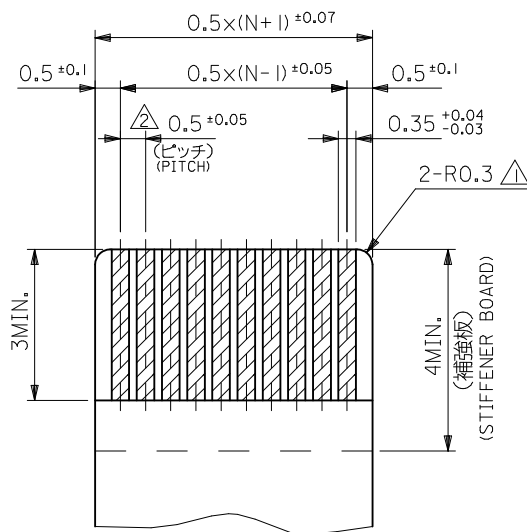
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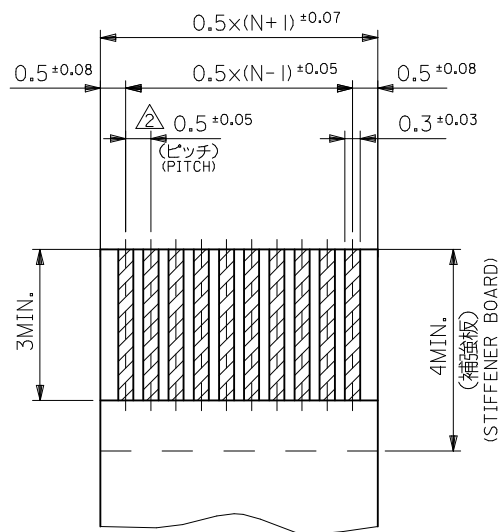
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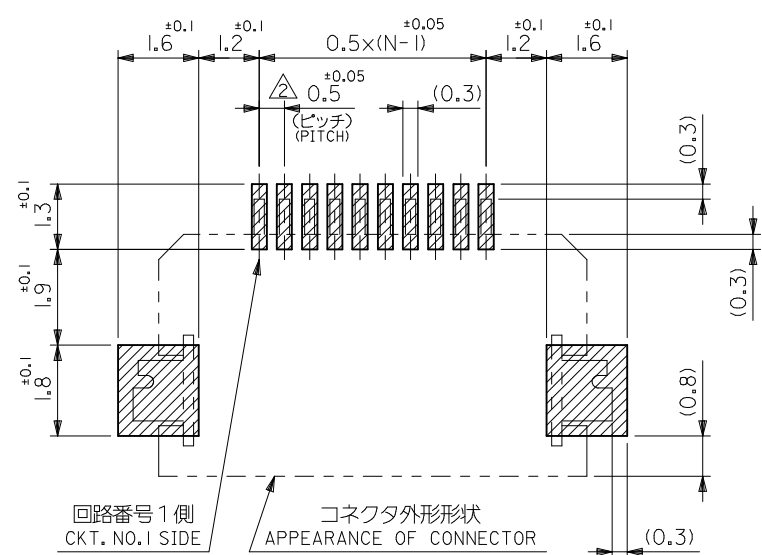
適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION

(仕上がり厚さ: 0.3 ± 0.03)
(THICKNESS: 0.3 ± 0.03)



適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION

(仕上がり厚さ: 0.3 ± 0.03)
(THICKNESS: 0.3 ± 0.03)



参考基板レイアウト
REFERENCE P.C. BOARD
PATTERN DIMENSION

(マウント面)
(MOUNTING SIDE)

注記 NOTES

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

- △ 公差非累積のこと。
NON-ACCUMULATIVE.

3. FPCについて:

打抜き方向は導体側から補強板を推奨致します。
補強フィルム材質はポリイミドを推奨致します。
接着剤は熱硬化接着剤を推奨致します。

ABOUT FPC:

RECOMMENDED PUNCHER DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.

RECOMMENDED MATERIAL:

STIFFENER FILM: POLYIMIDE

BONDING AGENT: THERMOSETTING BONDING AGENT

REVISED EC NO: J2018-0012 DRAWNGES CHKD: APPR:MSASAO	DESCRIPTION 2017/07/24 2017/07/28	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		0.25 UNDER ±			DRAWN BY DATE		TITLE 0.5 FFC/FPC CONN NON-ZIF HSG ASSY(BOTTOM CONTACT) -LEAD FREE- molex			
		0.25 OVER 0.5 UNDER ±			HSHIMABUKURO '04/03/01					
		0.5 OVER 1.0 UNDER ±			CHECKED BY DATE					
		0 OVER 10 UNDER ± 0.2			K.TOJO '04/03/01					
		10 OVER 30 UNDER ± 0.25			APPROVED BY DATE		DOCUMENT NO. SD-52976-010			
		30 OVER ± 0.3			M.SASAO '04/03/01					
		ANGULAR ±3 °			MATERIAL NO.					SHEET NO. 2 OF 2
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3	SEE SHEET 1 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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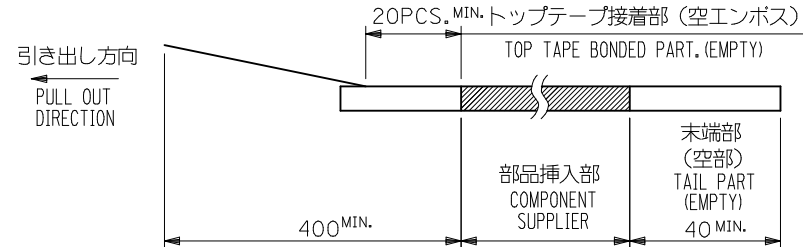
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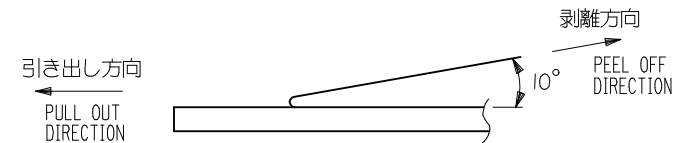
1

NOTES

1. 梱包数量：1000個／リール
NUMBER OF CONNECTORS : 1000PCS/REEL
2. リードテープ長さ LEAD TAPE LENGTH

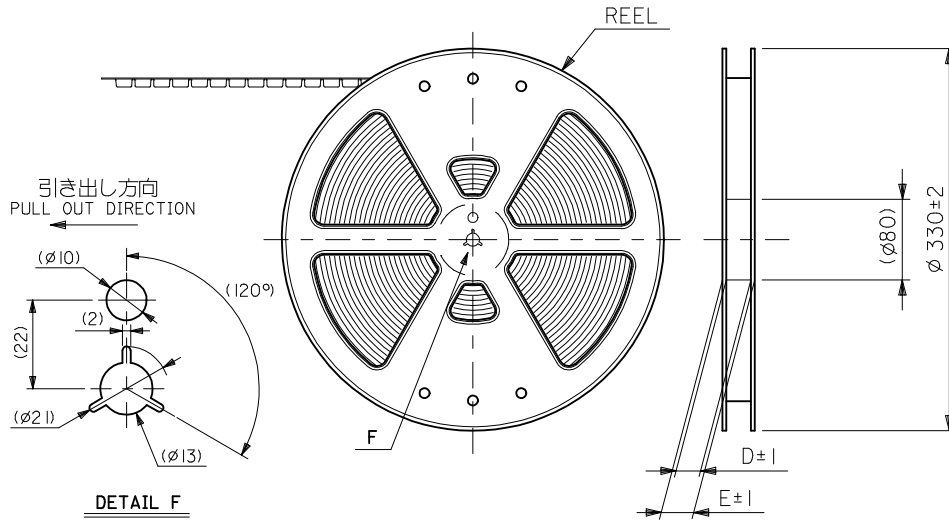


3. トップテープの剥離強度：0.1N ～ 1.3N(10gf ～ 130gf)
(剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE : 0.1N ～ 1.3N(10gf ～ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



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

5. 本製品は 52976-**-92 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52976-**-92



DETAIL F

52976-**-72 MODEL NO.

REVISED EC NO: J2018-0012 DRAWINGS CHKD: APPR:MSASAO	2017/07/24 2017/07/28	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			0.25 UNDER ±			DRAWN BY	DATE	TITLE 0.5 FPC CONN NON ZIF HOUSING ASSY EMBSTP PKG -LEAD FREE- molex					
			0.25 OVER 0.5 UNDER ±			H.SHIMABUKUR	2004/03/01						
			0.5 OVER 1.0 UNDER ±			CHECKED BY	DATE						
			0 OVER 10 UNDER ± 0.2			K.TOJO	2004/03/01						
			10 OVER 30 UNDER ± 0.25			APPROVED BY	DATE						
			30 OVER ± 0.3			M.SASAO	2004/03/01	DOCUMENT NO. SD-52976-011					
			ANGULAR ±3 °			MATERIAL NO.							SHEET NO. 1 OF 2
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3	SEE SHEET 2						
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

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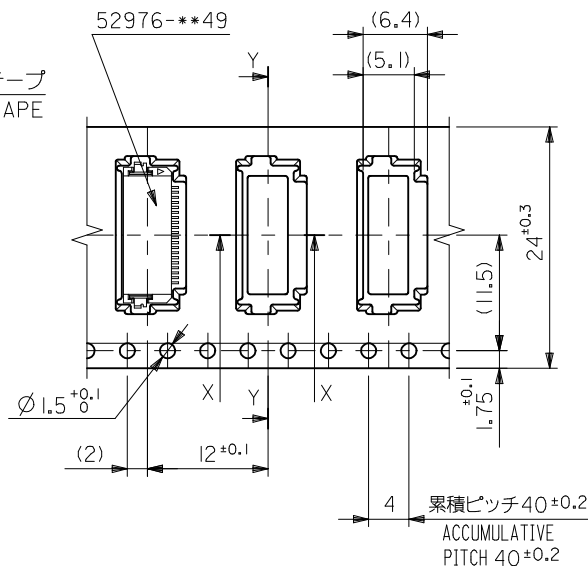
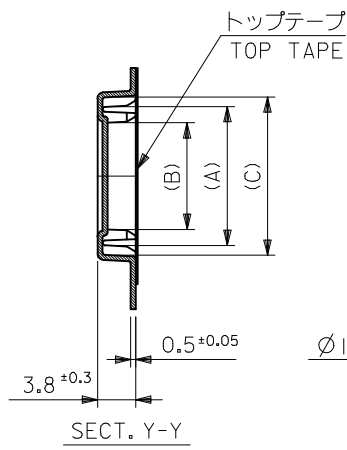
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C

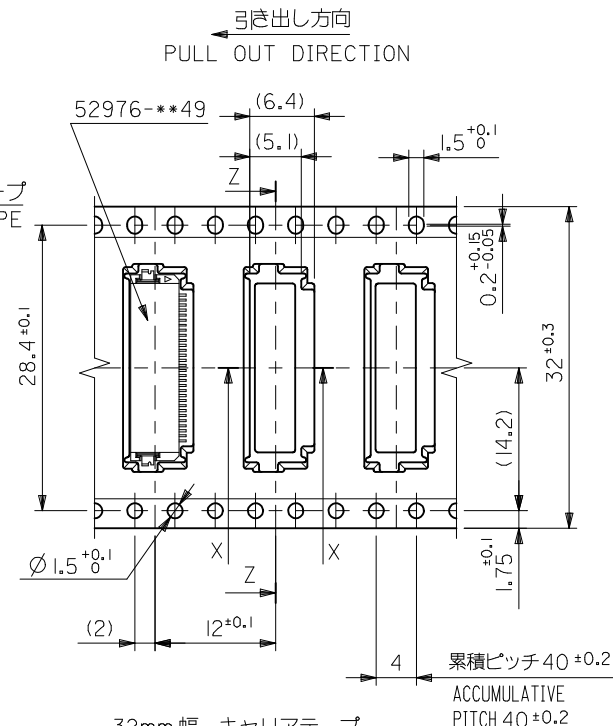
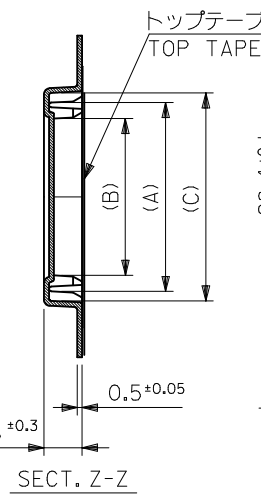
B

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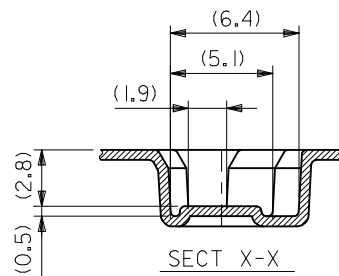
引き出し方向
PULL OUT DIRECTION



24mm 幅 キャリアテープ
24mm WIDTH CARRIER TAPE



32mm 幅 キャリアテープ
32mm WIDTH CARRIER TAPE



32	37.4	33.4	20.7	15.6	18.8	52976-3072	30
24	29.4	25.4	17.7	12.6	15.8	52976-2472	24
			14.7	9.6	12.8	52976-1872	18
			13.7	8.6	11.8	52976-1672	16
			10.7	5.6	8.8	52976-1072	10
			10.2	5.1	8.3	52976-0972	9
			9.7	4.6	7.8	52976-0872	8
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL. NO.	極数 CKT.

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Rev J 2015/09/01

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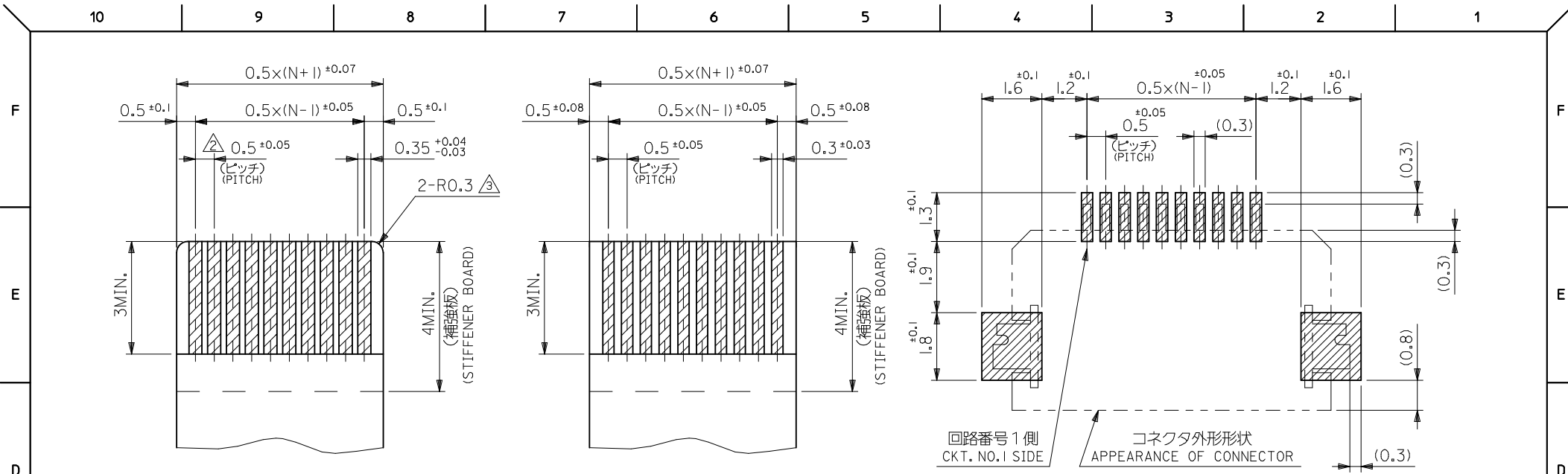
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REVISED EC NO: J2018-0012 DRAWINGS CHKD: APPR:MSASAO	2017/07/24 2017/07/28	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			0.25 UNDER		±		DRAWN BY H. SHIMABUKUR 2004/03/01	DATE 2004/03/01	TITLE 0.5 FPC CONN NON ZIF HOUSING ASSY EMBSTP PKG -LEAD FREE- molex		
			0.25 OVER 0.5 UNDER		±						
			0.5 OVER 1.0 UNDER		±						
			0 OVER 10 UNDER		± 0.2						
			10 OVER 30 UNDER		± 0.25						
			30 OVER		± 0.3		APPROVED BY M. SASAO 2004/03/01	DATE 2004/03/01	DOCUMENT NO. SD-52976-011	SHEET NO. 2 OF 2	
			ANGULAR ±3 °		MATERIAL NO.						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
			B		REV		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION

(仕上がり厚さ: 0.3 ± 0.03)
(THICKNESS: 0.3 ± 0.03)

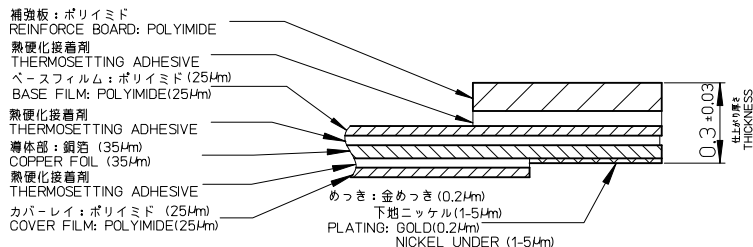
適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION

(仕上がり厚さ: 0.3 ± 0.03)
(THICKNESS: 0.3 ± 0.03)

推奨基板レイアウト
RECOMMENDED P.C. BOARD
PATTERN DIMENSION

(マウント面)
(MOUNTING SIDE)

マスク厚: $100 \mu\text{m}$
マスク開口率: 100%
SCREEN THICKNESS: 100MICROMETER
SCREEN OPEN RATIO: 100%



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。

導体部については敷箔銅35 μm または50 μm を推奨します。

RECOMMENDED PUNCHING DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER SIDE

RECOMMENDED CONDUCTOR SPEC: SOFT COPPER FOIL

RECOMMENDED CONDUCTOR THICKNESS: 35 MICROMETER OR 50 MICROMETER

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25 μm 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 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.

REVISED EC NO: J2013-1133 DRWN: SANUMA CHKD: TAKAHASHI APPR: KMORIKAWA	DESCRIPTION 2013/04/11 2013/04/11 2013/04/16	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY NKONDO	DATE 2012/09/18	TITLE 0.5MM FFC/FPC CONN NON-ZIF HSG ASSY (LOWER CONTACT)			
		10 OVER 30 UNDER	± 0.25	CHECKED BY KTAKAHASHI	DATE 2012/09/18				
		30 OVER	± 0.3	APPROVED BY KMORIKAWA	DATE 2013/03/15				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO. molex SD-52976-016			SHEET NO. 2 OF 2
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART						
	A	REV	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					