

METAL MASK THICKNESS : 0.1mm
 OPENING AREA : TERM.(0.7X0.3)
 NAIL(1.0X0.3)

16.5	17.08	15.5	17.7	503480-3200	32
13.5	14.08	12.5	14.7	503480-2600	26
12.5	13.08	11.5	13.7	503480-2400	24
11.5	12.08	10.5	12.7	503480-2200	22
10.5	11.08	9.5	11.7	503480-2000	20
9.5	10.08	8.5	10.7	503480-1800	18
9.0	9.58	8.0	10.2	503480-1700	17
8.5	9.08	7.5	9.7	503480-1600	16
7.5	8.08	6.5	8.7	503480-1400	14
6.5	7.08	5.5	7.7	503480-1200	12
5.5	6.08	4.5	6.7	503480-1000	10
4.5	5.08	3.5	5.7	503480-0800	8
3.5	4.08	2.5	4.7	503480-0600	6
3.0	3.58	2.0	4.2	503480-0500	5
2.5	3.08	1.5	3.7	503480-0400	4
D	C	B	A	EMBOSSED PACKAGE オーダー番号 ORDER NO.	極数 CIRCUM.

CONNECTOR SERIES No. 503480-**-09

REVISED EC NO: KOR2015-0144 DRWN:YRK/IM CHKD:KSK/IM APPR:YK/IM02	2015/06/05 2015/06/05 2015/06/08	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
						MM ONLY		10:1	METRIC			
				mm INCH		DRAWN BY DATE		TITLE 0.5 FPC CONN. E/O BACKFLIP H=1.0MM ASSEMBLY molex				
				4 PLACES ± --- ± ---		THIRAYAMA 2009/12/11						
				3 PLACES ± 0.2 ± ---		CHECKED BY DATE						
2 PLACES ± 0.25 ± ---		NMATSUURA 2009/12/11										
1 PLACE ± 0.3 ± ---		APPROVED BY DATE										
ANGULAR ± 1 °		KMORIKAWA 2010/10/13										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. SEE CHART		DOCUMENT NO. SD-503480-001				SHEET NO. 1 OF 2		
I		REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

NOTES

1. 部品構成

PART COMPOSITION

ハウジング・・・材質：液晶ポリマー（LCP）、ガラス充填、UL94V-0、ナチュラル（白）
HOUSING MATERIAL: LIQUID CRYSTAL POLYMER(LCP), GLASS FILLED, UL94V-0, NATURAL(WHITE)

ターミナル・・・材質：焼青銅

TERMINAL MATERIAL: PHOSPHOR BRONZE

コンタクト部：部分金メッキ（0.1μm以上）

テール部：部分金メッキ

下地：ニッケルメッキ（1.0μm以上）

CONTACT AREA : SEPARATED GOLD PLATING
(0.1 MICROMETER MINIMUM)

SOLDER TAIL AREA : SEPARATED GOLD PLATING

UNDERPLATE : NICKEL OVERALL

(1.0 MICROMETER MINIMUM)

アクチュエータ・・・材質：ポリアミド（PA）、ガラス充填、UL94 HB、黒色

ACTUATOR MATERIAL: POLYAMIDE(PA), GLASS FILLED, UL94 HB, BLACK

ネイル・・・材質：焼青銅

NAIL MATERIAL: PHOSPHOR BRONZE

テール部：錫メッキ（1.0μm以上）

下地：ニッケルメッキ（1.0μm以上）

SOLDER TAIL AREA : TIN OVERALL (1.0 MICROMETER MINIMUM)

UNDERPLATE : NICKEL OVERALL (1.0 MICROMETER MINIMUM)

2. 基板実装前にアクチュエータを操作しないで下さい。

PLEASE DO NOT OPERATE THE ACTUATOR BEFORE MOUNTING.

3. 必ずFPCを挿入してからアクチュエータを操作して下さい。

PLEASE OPERATE THE ACTUATOR AFTER INSERTING THE FPC INTO THE CONNECTOR.

4. 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 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.

打抜き方向は導体側から補強板側を推奨致します。

導体部については軟銅箔35μmを推奨致します。

RECOMMENDED PUNCHER DIRECTION:

FROM CONDUCTOR SIDE TO STIFFENER FILM SIDE.

RECOMMENDED CONDUCTOR SPECIFICATION:

THICKNESS OF SOFT COPPER FOIL: 35MICROMETER

△ 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.

6. ELV及びRoHS適合品

ELV AND RoHS COMPLIANT

7. 平坦度：0.1以下

COPLANARITY : 0.1 MAXIMUM

8. 製造上の都合により機能に阻害しない部位の形状を変更する可能性があります。

PLEASE RECOGNIZE A POSSIBILITY TO CHANGE THE SHAPE

OF THE PART THAT DOES NOT OBSTRUCT A FUNCTION,

BY CIRCUMSTANCES IN OUR PRODUCTION.

9. 本製品の納入状態はアクチュエータが開いた状態となります。

THIS PRODUCT IS DELIVERED WITH THE ACTUATOR

IN THE OPEN POSITION.

10. 本製品は両面(上面、下面)接触に対応しております。

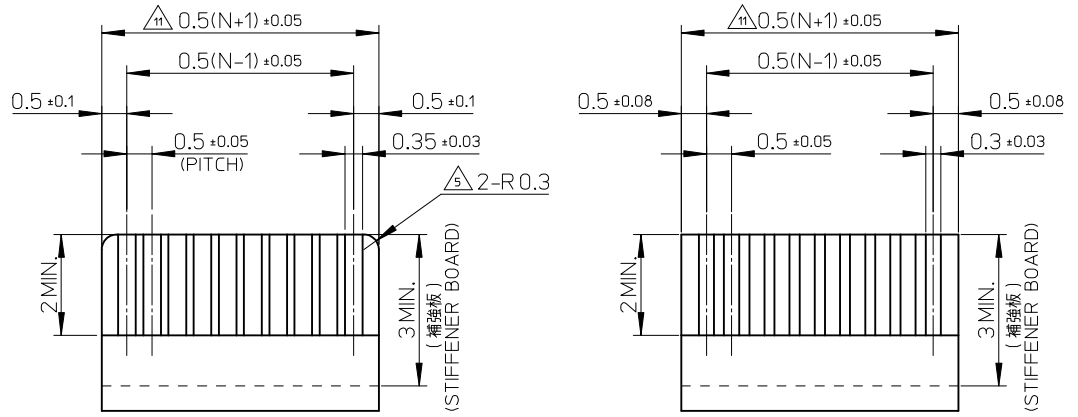
THIS PRODUCT IS DUAL-CONTACT

(TOP AND BOTTOM-CONTACTS) TYPE CONNECTOR.

△ FPC幅が0.5(N+1)+0.02を超える場合、FPC挿入性の事前確認をお願いします。

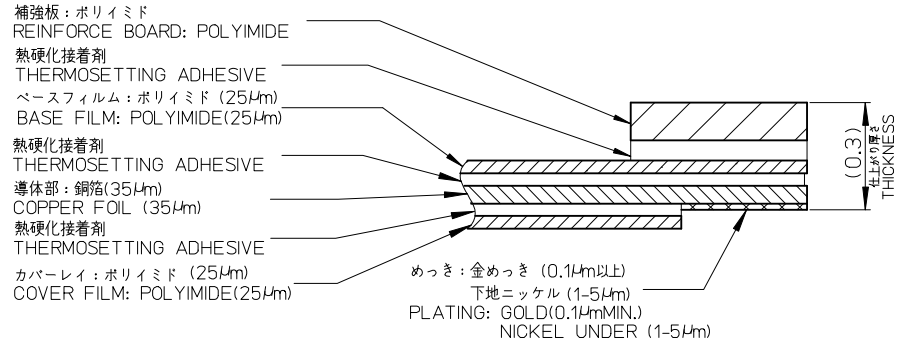
PLEASE CONFIRM TO INSERT FPC IN ADVANCE WHEN FPC

WIDTH IS OVER 0.5(N+1)+0.02.



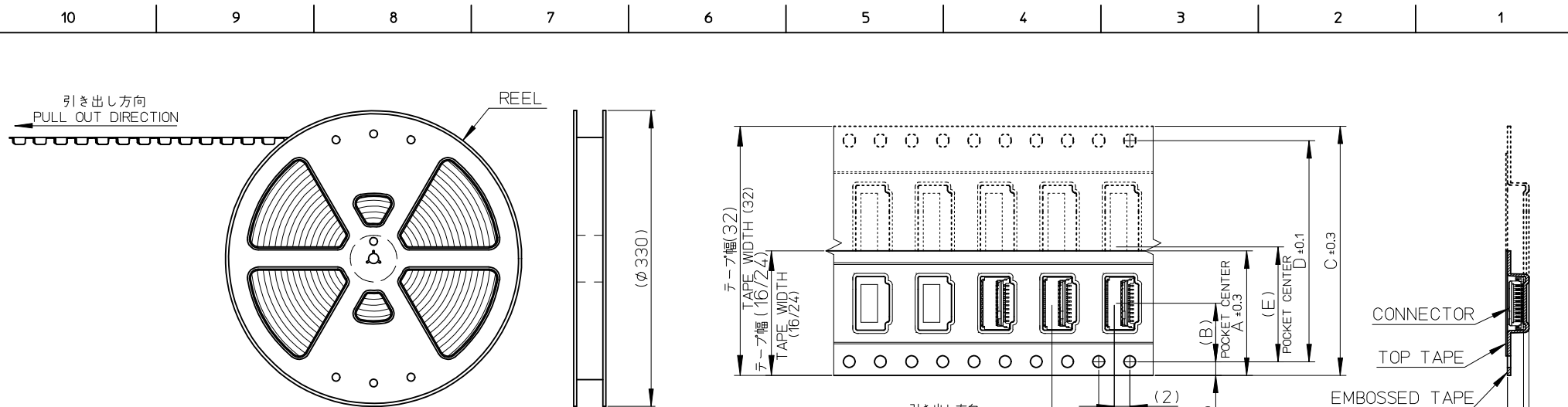
適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION
N: 極数
N: CIRCUITS
(仕上がり厚さ: 0.3±0.05) : 30 極以下に適用
(THICKNESS: 0.3±0.05) : 30 OR LESS CIRCUITS
(仕上がり厚さ: 0.3±0.03) : 31 極以上に適用
(THICKNESS: 0.3±0.03) : 31 OR OVER CIRCUITS

適合FFC推奨寸法
APPLICABLE FFC
RECOMMENDED DIMENSION
N: 極数
N: CIRCUITS
(仕上がり厚さ: 0.3±0.05) : 30 極以下に適用
(THICKNESS: 0.3±0.05) : 30 OR LESS CIRCUITS
(仕上がり厚さ: 0.3±0.03) : 31 極以上に適用
(THICKNESS: 0.3±0.03) : 31 OR OVER CIRCUITS



FPC構成推奨仕様
STRUCTURE OF FPC

SEE SHEET1 EC NO: KOR2015-0144 DRWN:YRK/IM 2015/06/05 CHKD:KSK/IM 2015/06/05 APPR:YSK/IM02 2015/06/08	DESCRIPTION	QUALITY SYMBOLS <div>▽=0</div> <div>◇=0</div>	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY	DATE	TITLE 0.5 FPC CONN. E/O BACKFLIP H=1.0MM ASSEMBLY molex		
			4 PLACES	± ---	± ---	THIRAYAMA	2009/12/11			
			3 PLACES	± 0.2	± ---	CHECKED BY	DATE			
			2 PLACES	± 0.25	± ---	NMATSUURA	2009/12/11			
			1 PLACE	± 0.3	± ---	APPROVED BY	DATE			
			ANGULAR ± 1 °		KMORIKAWA	2010/10/13				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.			
					SEE SHEET1		SD-503480-001		2 OF 2	
					SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

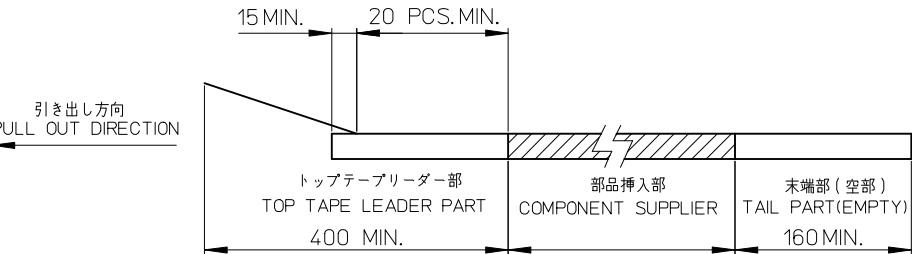


NOTES

1.製品(503480-**-09)の詳細寸法については、SD-503480-001をご参照下さい。
IN THE PACKAGE, PART NO.503480-**-09 DETAILED DIMENSIONS.
REFER TO SD-503480-001.

2.梱包数量：3000個/リール
NUMBER OF CONNECTORS：3000PCS/REEL

3.リードテープの長さ
LEAD TAPE LENGTH
トップテープ未接着部 TOP TAPE NON-BONDED PART
トップテープ接着部(空エンボス) TOP TAPE BONDED PART(EMPTY)



4.材料
キャリアテープ :PET
トップテープ :PET, OTHER
リール :PS<リサイクル材を含む>
MATERIAL
CARRIER TAPE :PET
TOP TAPE :PET,OTHER
REEL :PS <RECYCLE MATERIAL CONTAINED>

5.カバーテープの剥離強度については、IEC60286-3に準拠
COVER TAPE PEEL FORCE IS DEFINED BY IEC60286-3.

エンボステープ内の製品の向き
DIRECTION OF CONNECTOR IN EMBOSSED TAPE

14.2	28.4	32	-	-	32	503480-3200	32
-	-	-	11.5	24	24	503480-2600	26
-	-	-	7.5	16	16	503480-2400	24
-	-	-	7.5	16	16	503480-2200	22
-	-	-	7.5	16	16	503480-2000	20
-	-	-	7.5	16	16	503480-1800	18
-	-	-	7.5	16	16	503480-1700	17
-	-	-	7.5	16	16	503480-1600	16
-	-	-	7.5	16	16	503480-1400	14
-	-	-	7.5	16	16	503480-1200	12
-	-	-	7.5	16	16	503480-1000	10
-	-	-	7.5	16	16	503480-0800	8
-	-	-	7.5	16	16	503480-0600	6
-	-	-	7.5	16	16	503480-0500	5
-	-	-	7.5	16	16	503480-0400	4
E	D	C	B	A	テープ幅 TAPE WIDTH	オーダー番号 ORDER NO.	極数 CIRCUIT

REVISED		EC NO: KOR2015-0144		2015/06/05		2015/06/05		2015/06/08		DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY			SCALE 2:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
												▽=0					DRAWN BY THIRAYAMA			DATE 2009/12/11		0.5 FPC CONN. E/O EMBOSSED TAPE PACKAGE		molex	
										C=0					CHECKED BY			DATE							
															NMATSUURA			2009/12/11							
															APPROVED BY			DATE							
															KMORI KAWA			2009/12/11							
														ANGULAR ± 3 °			MATERIAL NO.			DOCUMENT NO.		SD-503480-002		SHEET NO. 1 OF 1	
														DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE								
																	SIZE A3								
												</													