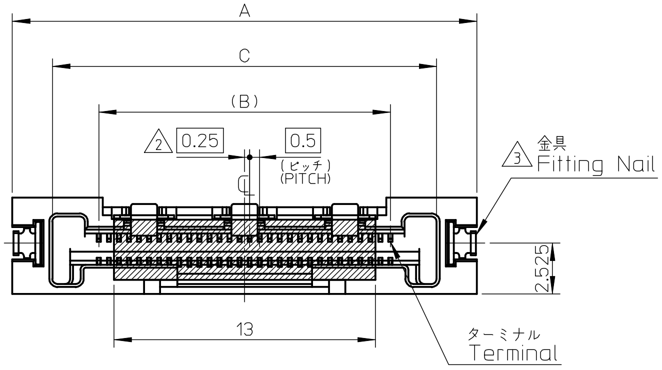
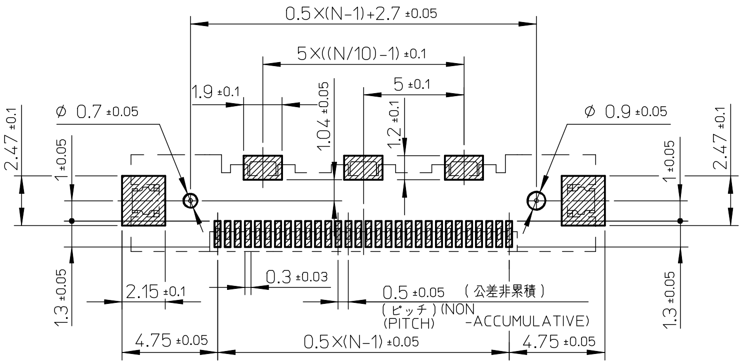
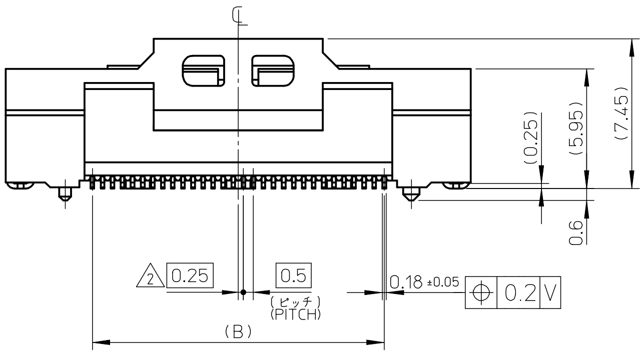
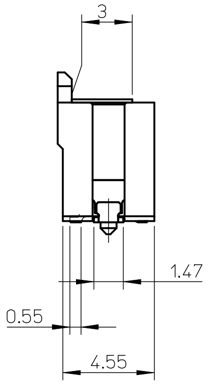


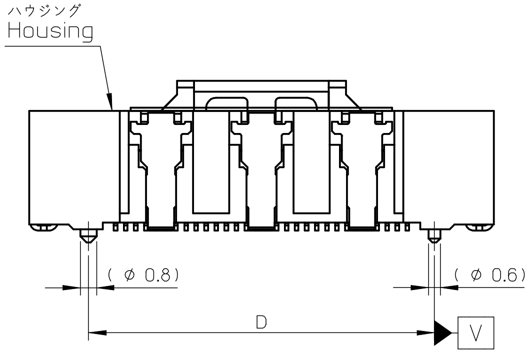


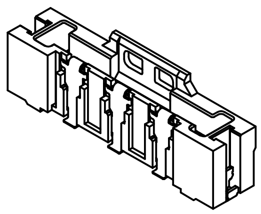
参考基板レイアウト
P.C.BOARD PATTERN
DIMENSION(REF.)

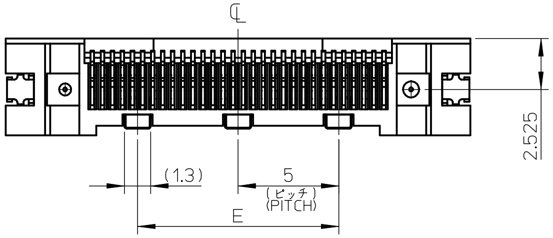
(マウント面)
(MOUNTING SIDE)











QTY of Ground Term	E	D	C	B	A	ORDER No. オーダー番号 / EMBOSSED TAPE PKG.	極数 CIRCUIT
3	10	17.2	19.1	14.5	23.1	501786-3091	30

CONNECTOR SERIES No. 501786-**31

REV	DESCRIPTION
E	REVISED EC NO: J2010-0779 DRWN:NNISHI 2009/10/19 CH'KD:NMATSUURA 2009/10/19 APPR:KMORIKAWA 2009/10/19

GENERAL TOLERANCES
(UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

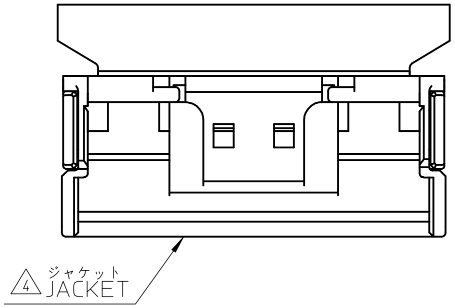
DIMENSION STYLE: MM ONLY
SCALE: —//—
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

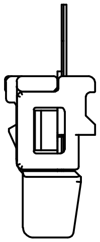
DRAWN BY	H.IIJIMA	DATE 07/12/25
CHECKED BY	K.MORIKAWA	DATE 07/12/25
APPROVED BY	H.HIRATA	DATE 07/12/25

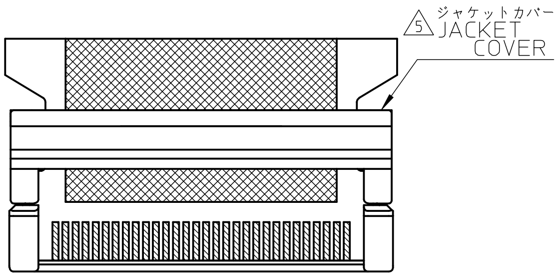
TITLE
0.5 FFC TO BOARD CONN
REC HSG ASSY(ST)

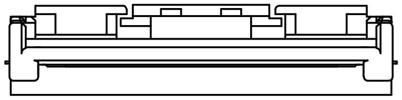
MOLEX INCORPORATED

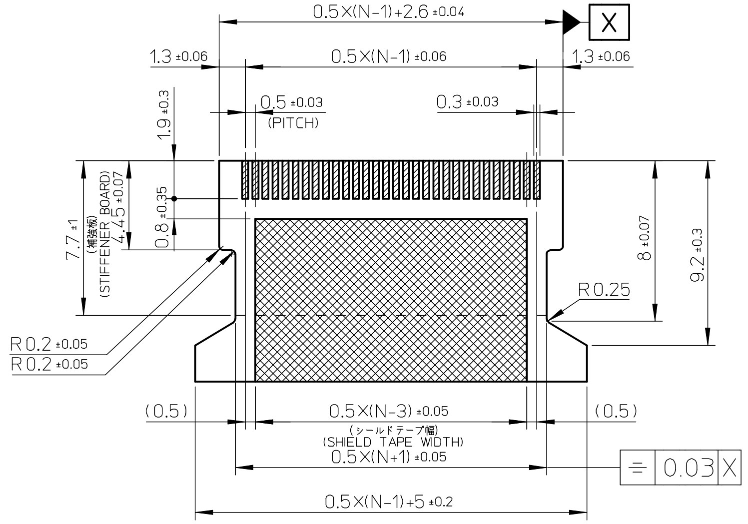
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-501786-008
SHEET NO.: 1 OF 2
SIZE: A3











▨ コネクタ接点部 CONTACT AREA

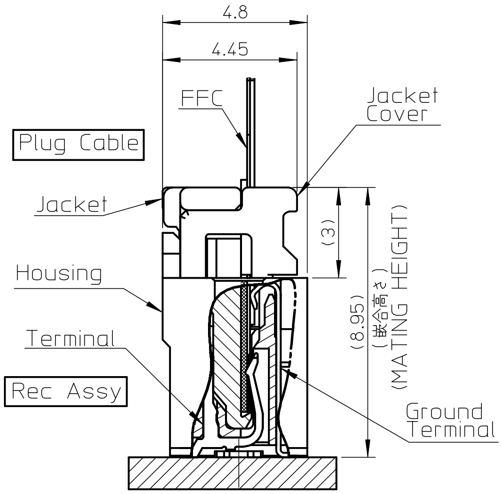
▩ シールド部 SHIELD AREA

適合する金めっきFFC推奨寸法

APPLICABLE FFC OF GOLD PLATING RECOMENDED DIMENSION

（仕上がり厚さ：コネクタ接点部 0.3±0.03）
シールド部0.44±0.05）

(THICKNESS :CONTACT AREA 0.3±0.03)
SHIELD AREA 0.44±0.05)



嵌合断面図
MATED CONNECTOR SECTION

注 記
NOTE

1. 使用材料 MATERIAL

ハウジング HOUSING	：液晶ポリマー（LCP），ガラス充填， UL94V-0 色：黒色 LIQUID QRYSTAL POLYMER(LCP), GLASS FILLED,UL94V-0 COLOR:BLACK
ターミナル TERMINAL	：燐青銅(t=0.18) PHOSPHOR BRONZE(t=0.18)
メッキ PLATING	
コンタクト CONTACT AREA	ニッケル下地（1.0μm以上） 金メッキ（0.1μm以上） OVER NICKEL PLATING (1.0μm MINIMUM) GOLD PLATING (0.1μm MINIMUM)
ソルダーテール TAIL AREA	ニッケル下地 金メッキ OVER NICKEL PLATING GOLD PLATING
金具 FITTING NAIL	：燐青銅（t=0.25） ニッケル下地　錫メッキ（1.0μm以上） PHOSPHOR BRONZE(t=0.25) TIN OVER NICKEL PLATING.(1.0μm MINIMUM)
2 グランド端子 GROUND TERMINAL	：燐青銅（t=0.15） ニッケル下地　錫メッキ（1.0μm以上） PHOSPHOR BRONZE(t=0.15) TIN OVER NICKEL PLATING.(1.0μm MINIMUM)

N=偶数に適用（N：極数）
APPLY FOR N=EVEN(N:CIRCUIT)

3 パターン剥離止め用金具
FITTING NAIL FOR PREVENTION OF PEELING
OF P.C.B PATERN.

4 適合ジャケット ： 501783-**09
製品詳細寸法はSD-501783-004を参照下さい。

APPLICABLE JACKET : 501783-**09.
RE DETAILED DIMENTION,SEE SD-501783-004.

5 適合ジャケットカバー ：501784-**08。
製品詳細寸法はSD-501784-005を参照下さい。

APPLICABLE JACKET COVER : 501784-**08.
RE DETAILED DIMENTION SEE SD-501784-005

6. ELV及びRoHS適合品

ELV AND RoHS COMPLIANT

7. FFCについて
ABOUT 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50μmを推奨します。

RECOMMENDED PUNCHING DIRECTION :
FROM CONDUCTOR SIDE TO STIFFENER SIDE
RECOMMENDED CONDUCTOR SPEC :
SOFT COPPER FOIL
RECOMMENDED CONDUCTOR THICKNESS :
35MICROMETER OR 50MICROMETER

REVISED
EC NO: J2010-0779
DRWN:NNISHI 2009/10/19
CH'KD:NMATSUURA 2009/10/19
APPR:KMORIKAWA 2009/10/19
E
REV
DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±1 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

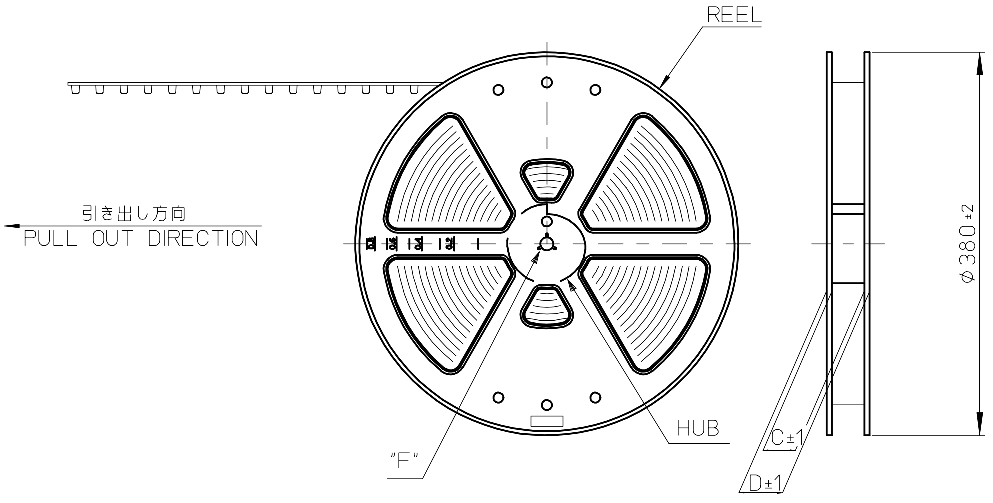
DIMENSION STYLE	SCALE	DESIGN UNITS	
MM ONLY	—//—	METRIC	THIRD ANGLE PROJECTION

DRAWN BY H.IIJIMA	DATE 07/12/25	TITLE 0.5 FFC TO BOARD CONN REC HSG ASSY(ST)
CHECKED BY K.MORIKAWA	DATE 07/12/25	
APPROVED BY H.HIRATA	DATE 07/12/25	MOLEX INCORPORATED
MATERIAL NO. SEE SHEET 1		DOCUMENT NO. SD-501786-008

SHEET NO.
2 OF 2

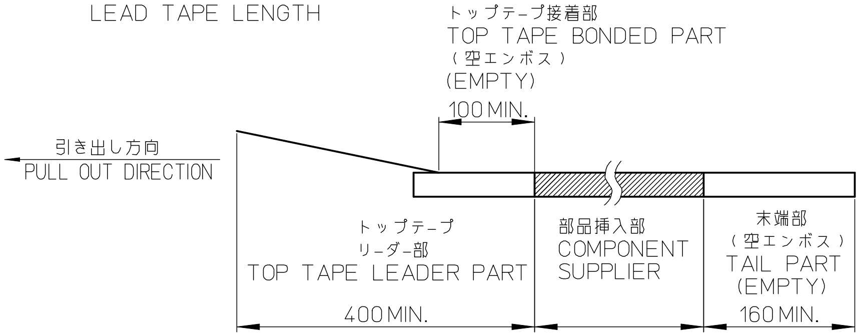
SIZE
A3

ELV AND RoHS COMPLIANT.

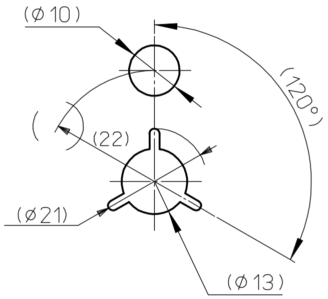


NOTES

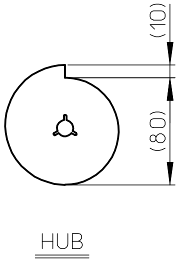
1. 梱包数量： 900 個／リール
   NUMBER OF CONNECTORS:900 PCS/REEL
2. リードテープ長さ
   LEAD TAPE LENGTH



3. 製品詳細寸法については図面 SD-501786-008を参照下さい。
   RE DETAILED DIMENSION, SEE SD-501786-008.
4. 材料(MATERIAL)
   キャリアテープ(CARRIER TAPE) : ポリスチレン(POLYSTYRENE)
   トップテープ(TOP TAPE) : PET, PE, PE
   リール(REEL) : ポリスチレン(POLYSTYRENE)<リサイクル材を含む>
   <RECYCLE MATERILAL CONTAINED>
5. ELV及びRoHS適合品
   ELV AND RoHS COMPLIANT



DETAIL "F"



HUB

MODEL NO.	501786-**91
REV	A
DESCRIPTION	REVISED EC NO: J2009-1986 DRWN:YSHIBATA 2009/02/26 CH'KD:THARUYAMA 2009/02/26 APPR:NUKITA 2009/02/26
DIMENSION STYLE	MM ONLY
SCALE	
DESIGN UNITS	METRIC
PROJECTION	THIRD ANGLE PROJECTION
DRAWN BY	H.IIJIMA
DATE	07/12/25
CHECKED BY	K.MORIKAWA
DATE	07/12/25
APPROVED BY	H.HIRATA
DATE	07/12/25
TITLE	EMBSTP PKG FOR 0.5 FFC TO BOARD ST TYPE
MATERIAL NO.	501786-**91
DOCUMENT NO.	SD-501786-009
SHEET NO.	1 OF 2
SIZE	A3

GENERAL TOLERANCES
(UNLESS SPECIFIED)

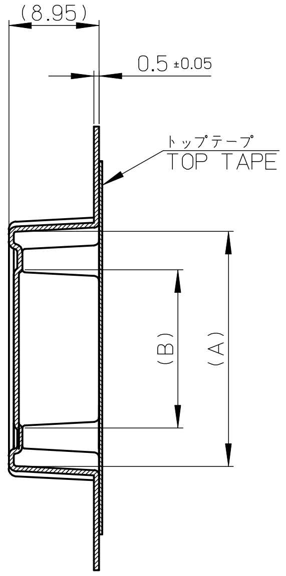
~~10 UNDER~~	~~±0.2~~
~~10 OVER 30 UNDER~~	~~±0.25~~
~~30 OVER~~	~~±0.3~~
~~ANGULAR~~	~~±3 °~~

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

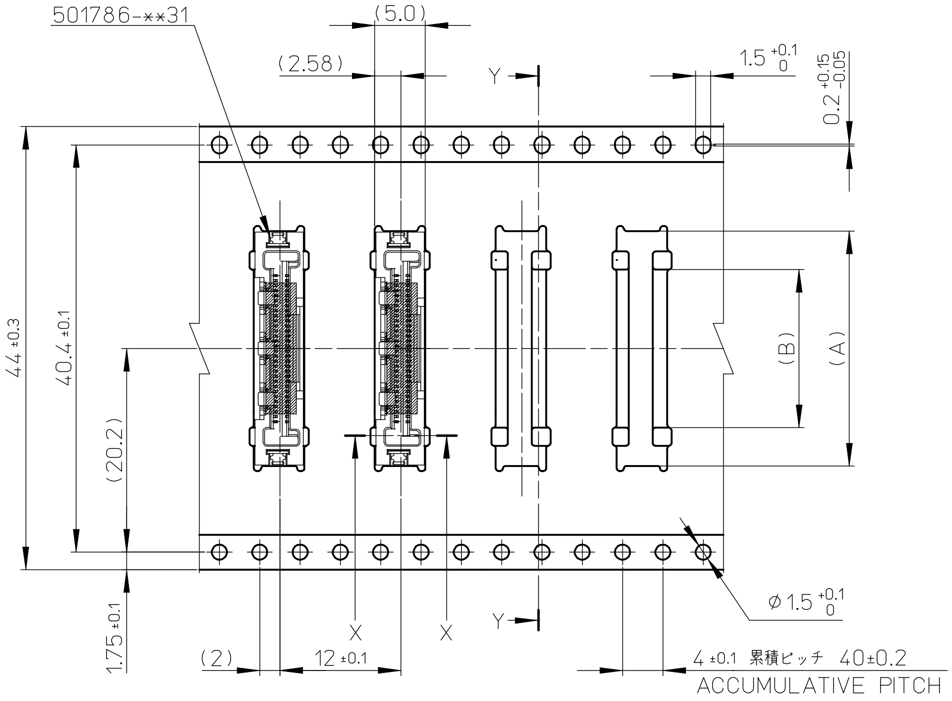
MOLEX INCORPORATED

ELV AND RoHS COMPLIANT.

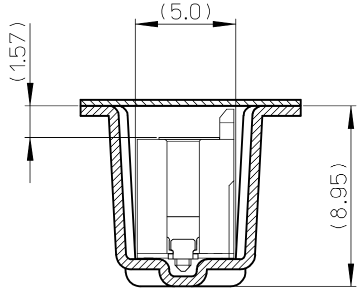
引き出し方向
PULL OUT DIRECTION



SECT. Y-Y



44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE



SECT. X-X

キャリアテープ幅 CARRIER TAPE WIDTH	D	C	B	A	製品番号 MATERIAL NO.	極数 CKT
56	61.4	57.4	25.68	33.3	501786-5091	50
44	49.4	45.4	15.68	23.3	501786-3091	30

REV	DESCRIPTION		
A	REVISED EC NO: J2009-1986 DRWN:YSHIBATA 2009/02/26 CH'KD:THARUYAMA 2009/02/26 APPR:NUKITA 2009/02/26		

GENERAL TOLERANCES
(UNLESS SPECIFIED)

~~10 UNDER~~	~~±0.2~~
10 OVER 30 UNDER	±0.25
~~30 OVER~~	~~±0.3~~
~~ANGULAR~~	~~±3 °~~

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE MM ONLY	SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
DRAWN BY H.IIJIMA	DATE 07/12/25	TITLE EMBSTP PKG FOR 0.5 FFC TO BOARD ST TYPE	
CHECKED BY K.MORIKAWA	DATE 07/12/25		
APPROVED BY H.HIRATA	DATE 07/12/25	molex MOLEX INCORPORATED	
MATERIAL NO. 501786-**91		DOCUMENT NO. SD-501786-009	SHEET NO. 2 OF 2

SIZE A3