

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [5017848009](#)
Status: **Active**
Description: 0.50mm (.020") Pitch FFC-to-Board Connector, Plug Jacket Cover, 80 Circuits

Documents:
[Drawing \(PDF\)](#) [Product Specification PS-501864-001 \(PDF\)](#)
[Product Specification PS-501786-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

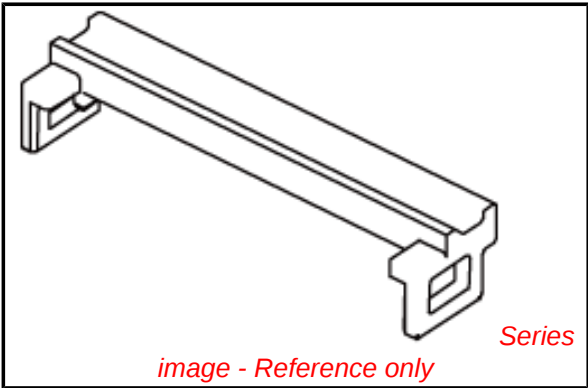
General
Product Family Accessories
Series [501784](#)
Component Type Jacket Cover
Product Name N/A

Physical
Breakaway No
Circuits (Loaded) N/A
Circuits (maximum) 80
Color - Resin Black
Gender Plug
Material - Resin Polyester
Packaging Type Bag
Polarized to Mating Part Yes
Temperature Range - Operating -40°C to +85°C

Electrical
Current - Maximum per Contact 0.5A

Material Info

Reference - Drawing Numbers
Packaging Specification SPK-501784-001
Product Specification PS-501786-001, PS-501864-001, RPS-501786-006, RPS-501864-006
Sales Drawing SD-501784-001



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[501784Series](#)

Use With
[501786](#) FFC-to-Board Connector, [501864](#) FFC-to-Board Connector, [501783](#) Plug Jacket

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

F

E

D

C

B

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F

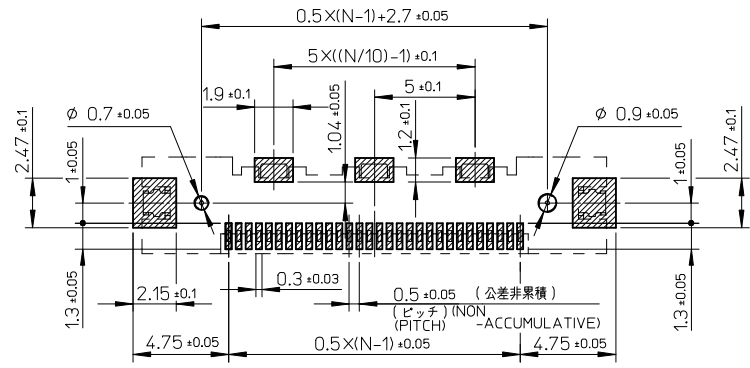
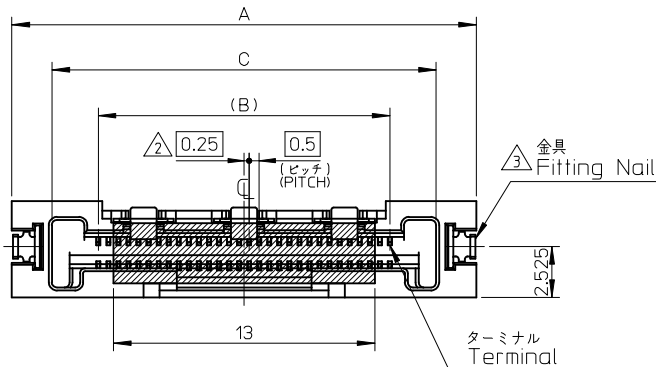
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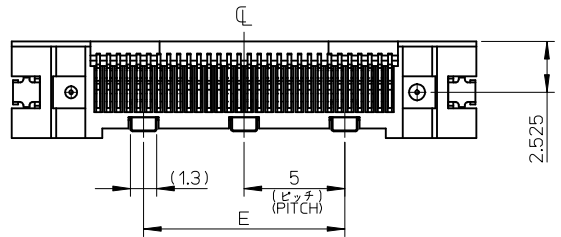
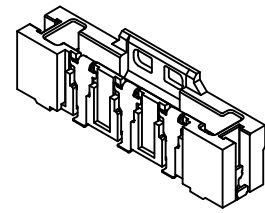
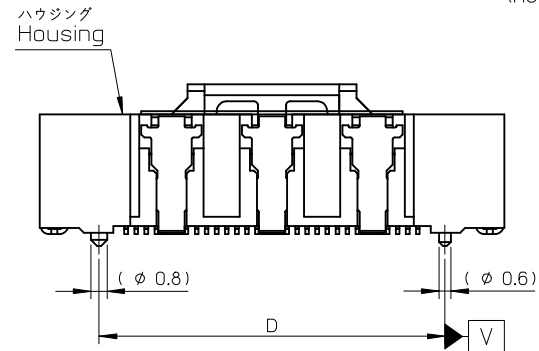
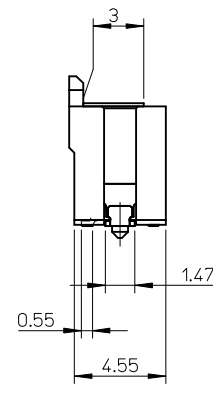
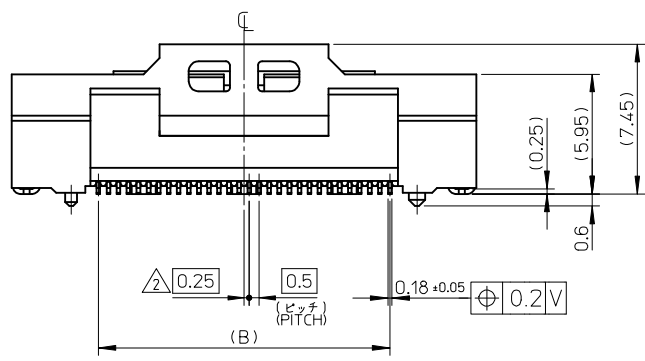
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参考基板レイアウト
P.C. BOARD PATTERN
DIMENSION (REF.)
(マウント面)
(MOUNTING SIDE)



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

CONNECTOR SERIES No. 501786-***31

REVISED EC NO: J2010-0779 DRWN: NISHI CHKD: MATSUURA APPR: MORIKAWA REV	DESCRIPTION 2009/10/19 2009/10/19 2009/10/19	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE —//—	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY H. IJIMA	DATE 07/12/25	TITLE 0.5 FFC TO BOARD CONN REC HSG ASSY(ST)			
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. MORIKAWA	DATE 07/12/25				
		30 OVER	± 0.3	APPROVED BY H. HIRATA	DATE 07/12/25	MOLEX INCORPORATED DOCUMENT NO. SD-501786-008 SHEET NO. 1 OF 2			
		ANGULAR	± 1 °	MATERIAL NO. SEE CHART					
		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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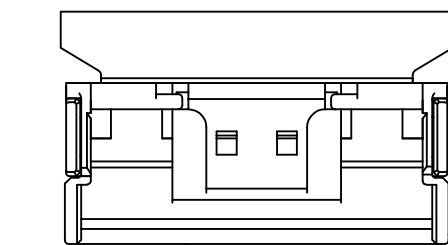
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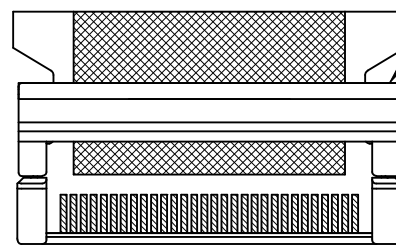
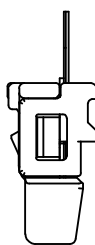
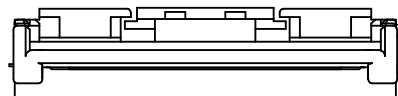
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△ JACKET COVER



△ JACKET COVER

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 CRYSTAL POLYMER (LCP)
GLASS FILLED UL94V-0 COLOR: BLACK
ターミナル TERMINAL : 燐青銅 (τ=0.18)
PHOSPHOR BRONZE (τ=0.18)

メッキ PLATING : ニッケル下地 (1.0 μm 以上)
CONTACT 金メッキ (0.1 μm 以上)
CONTACT AREA OVER NICKEL PLATING (1.0 μm MINIMUM)
GOLD PLATING (0.1 μm MINIMUM)
ニッケル下地 金メッキ
TAIL AREA OVER NICKEL PLATING
GOLD PLATING
金具 FITTING NAIL : 燐青銅 (τ=0.25)
ニッケル下地 錫メッキ (1.0 μm 以上)
PHOSPHOR BRONZE (τ=0.25)
TIN OVER NICKEL PLATING (1.0 μm MINIMUM)
ニッケル下地 錫メッキ (1.0 μm 以上)
PHOSPHOR BRONZE (τ=0.15)
TIN OVER NICKEL PLATING (1.0 μm MINIMUM)

△ グランド端子 GROUND TERMINAL

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

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

△ 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.

△ 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。

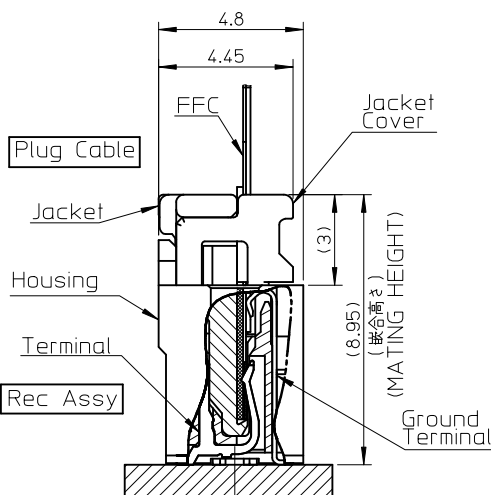
APPLICABLE JACKET COVER : 501784-**08.
RE DETAILED DIMENTION SEE SD-501784-005

6. ELV及びRoHS適合品 ELV AND RoHS COMPLIANT

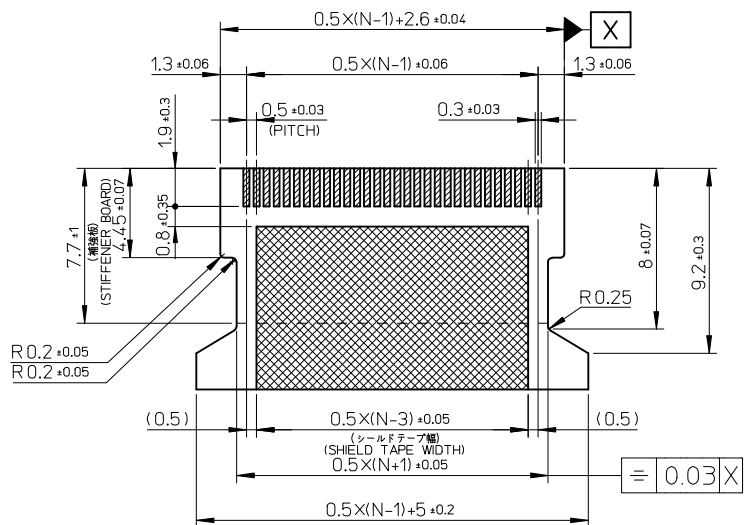
7. FFCについて ABOUT FFC

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35 μm また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



嵌合断面図
MATED CONNECTOR SECTION



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
RECOMMENDED 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)

REVISED EC NO: J2010-0779 DRAWN: NISHI CHKD: NAKATSURA APPR: KIMORI KAWA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE —//—	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	± 0.2	DRAWN BY H. IJIMA	DATE 07/12/25	TITLE 0.5 FFC TO BOARD CONN REC HSG ASSY(ST)			
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. MORIKAWA	DATE 07/12/25				
		30 OVER	± 0.3	APPROVED BY H. HIRATA	DATE 07/12/25				
		ANGULAR ±1 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1		SD-501786-008		2 OF 2	
		REV		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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ELV AND RoHS COMPLIANT.

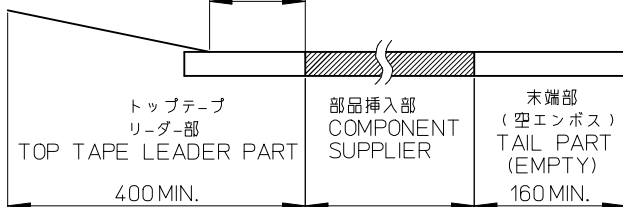
NOTES

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

トップテープ接着部
TOP TAPE BONDED PART
(空エンボス)
(EMPTY)

100 MIN.

引き出し方向
PULL OUT DIRECTION



トップテープ
リーダー部
TOP TAPE LEADER PART

部品挿入部
COMPONENT
SUPPLIER

末端部
(空エンボス)
TAIL PART
(EMPTY)

400 MIN.

160 MIN.

- 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.

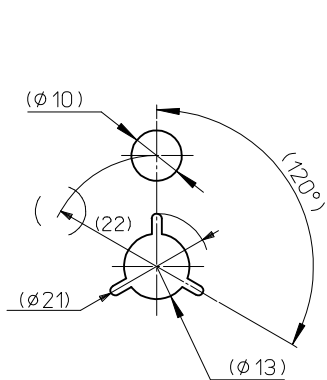
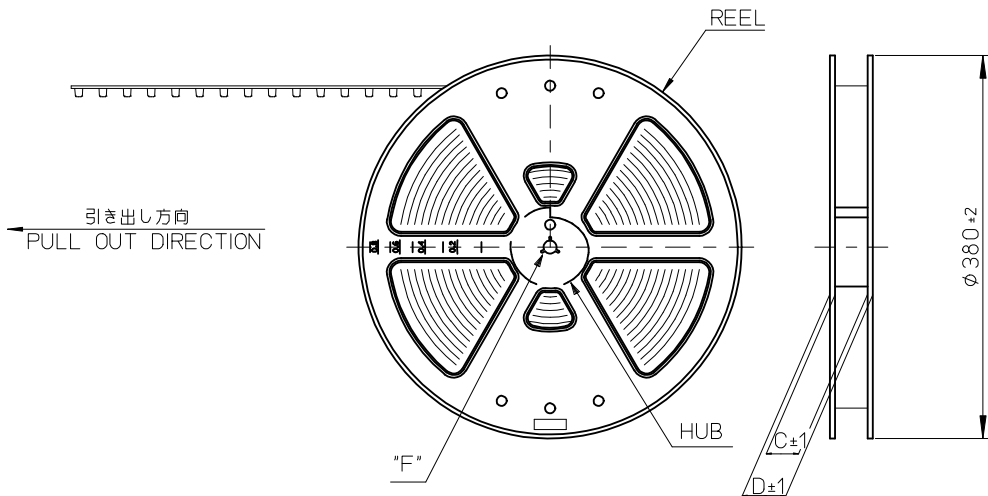
- 材料(MATERIAL)

キャリアテープ(CARRIER TAPE): ポリスチレン(POLYSTYRENE)

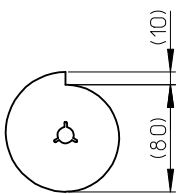
トップテープ(TOP TAPE): PET, PE, PE

リール(REEL): ポリスチレン(POLYSTYRENE)<リサイクル材を含む>
<RECYCLE MATERIAL CONTAINED>

- ELV 及び RoHS 適合品
ELV AND RoHS COMPLIANT



DETAIL "F"



HUB

501786-**91

MODEL NO.

REVISED
EC NO: J2009-1986
DRWN: YSHIBATA 2009/02/26
CHKD: 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

DRAWN BY
H. IJIMA
DATE
07/12/25

CHECKED BY
K. MORIKAWA
DATE
07/12/25

APPROVED BY
H. HIRATA
DATE
07/12/25

SCALE

DESIGN UNITS

METRIC

THIRD ANGLE
PROJECTION

EMBSTP PKG FOR
0.5 FFC TO BOARD
ST TYPE



MOLEX INCORPORATED

MATERIAL NO.

501786-**91

DOCUMENT NO.

SD-501786-009

SHEET NO.

1 OF 2

SIZE
A3THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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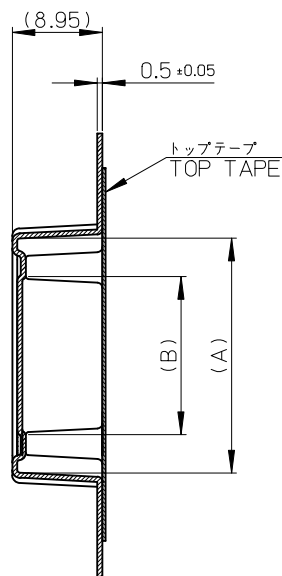
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EN-02JA(021)

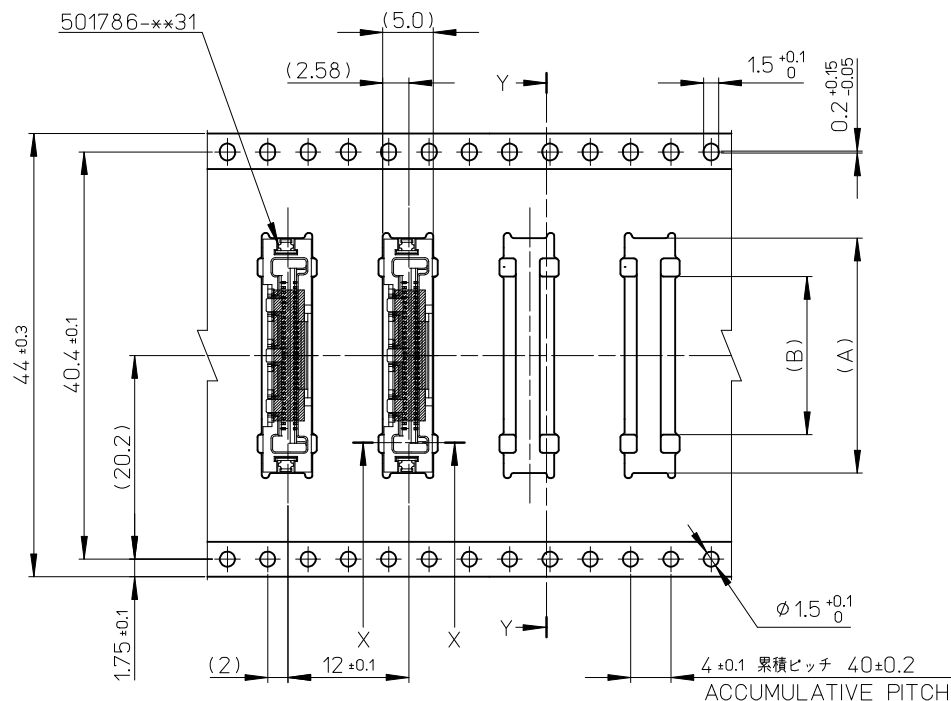
10 9 8 7 6 5 4 3 2 1

ELV AND RoHS COMPLIANT.

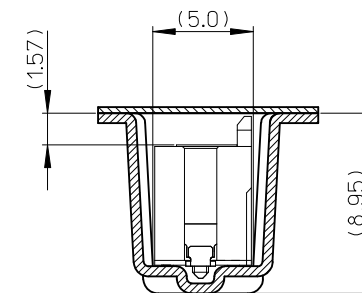
引き出し方向
PULL OUT DIRECTION



SECT. Y-Y



44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE



SECT. X-X

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

REVISED EC NO: J2009-1986 DRWN: YSHIBATA CHKD: THARUYAMA APPR: NUKITA A	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY H. IJIMA	DATE 07/12/25	TITLE EMBSTP PKG FOR 0.5 FFC TO BOARD ST TYPE				
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. MORIKAWA	DATE 07/12/25					
		30 OVER	± 0.3	APPROVED BY H. HIRATA	DATE 07/12/25	MOLEX MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO. 501786-**91		DOCUMENT NO. SD-501786-009			SHEET NO. 2 OF 2	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						