

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0527931370

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch Right Angle, SMT, Non-ZIF, Top Contact Style, 13 Circuits, Lead-free

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

FFC/FPC Connectors

Series

52793

Overview

ffc_fpc_smt

Product Name

N/A

Physical

Circuits (Loaded)

13

Contact Position

Top

Durability (mating cycles max)

10

Entry Angle

90° Angle

Flammability

94V-0

Mated Height (in)

0.122 In

Mated Height (mm)

3.10 mm

Material - Metal

Phosphor Bronze

Material - Plating Mating

Tin-Bismuth

Material - Plating Termination

Tin-Bismuth

Number of Rows

1

Orientation

Right Angle

PCB Locator

No

PCB Retention

Yes

Packaging Type

Embossed Tape on Reel

Pitch - Mating Interface (in)

0.039 In

Pitch - Mating Interface (mm)

1.00 mm

Plating min: Mating (µin)

40

Plating min: Mating (µm)

1

Plating min: Termination (µin)

40

Plating min: Termination (µm)

1

Polarized to PCB

No

Stackable

No

Temperature Range - Operating

-20°C to +85°C

Termination Interface: Style

Surface Mount

Wire/Cable Type

FFC/FPC

Electrical

Current - Maximum per Contact

0.5A

Voltage - Maximum

50V

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-52793-001

Product Specification

PS-52793-014, RPS-52793-016, RPS-52793-018, RPS-52793-019, RPS-52793-020, RPS-52793-021, RPS-52793-024

Sales Drawing

SD-52793-011, SD-52793-012

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](#)

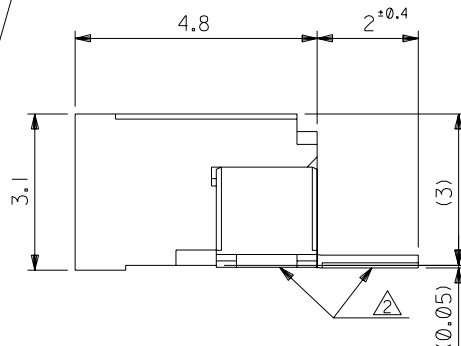
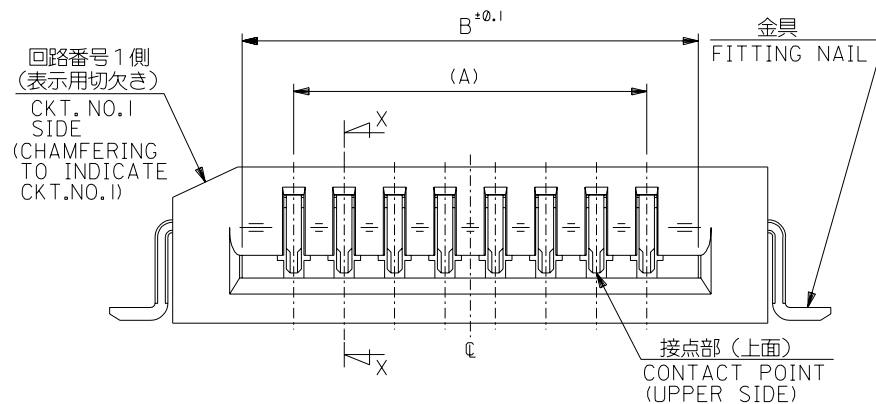
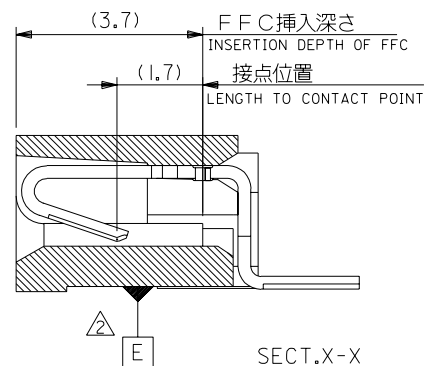
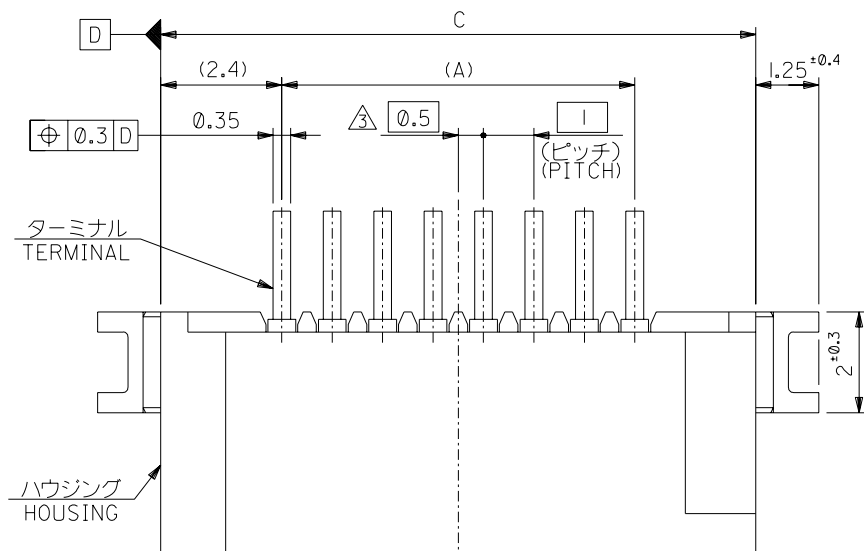
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

52793Series

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33.8	31.05	29	52793-3019	30
32.8	30.05	28	-2919	29
31.8	29.05	27	-2819	28
30.8	28.05	26	-2719	27
29.8	27.05	25	-2619	26
28.8	26.05	24	-2519	25
27.8	25.05	23	-2419	24
26.8	24.05	22	-2319	23
25.8	23.05	21	-2219	22
24.8	22.05	20	-2119	21
23.8	21.05	19	-2019	20
22.8	20.05	18	-1919	19
21.8	19.05	17	-1819	18
20.8	18.05	16	-1719	17
19.8	17.05	15	-1619	16
18.8	16.05	14	-1519	15
17.8	15.05	13	-1419	14
16.8	14.05	12	-1319	13
15.8	13.05	11	-1219	12
14.8	12.05	10	-1119	11
13.8	11.05	9	-1019	10
12.8	10.05	8	-0919	9
11.8	9.05	7	-0819	8
10.8	8.05	6	-0719	7
9.8	7.05	5	-0619	6
8.8	6.05	4	-0519	5
7.8	5.05	3	-0419	4
6.8	4.05	2	52793-0319	3
C	B	A	MATERIAL NO	極數 CIRCUIT

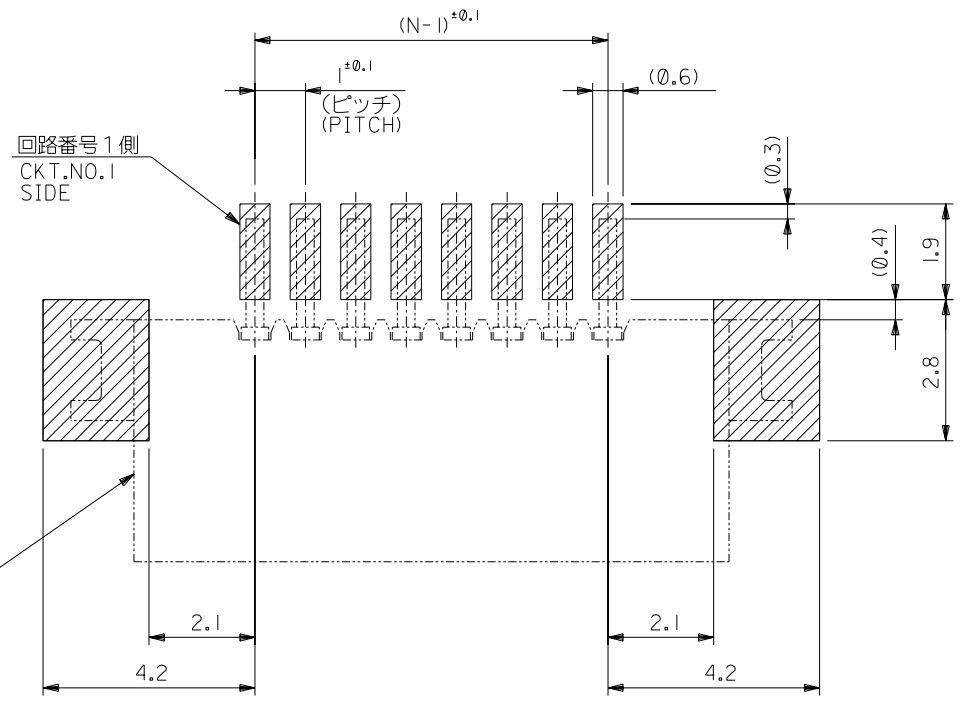
EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	RECEIVED EC NO. J2004-1419 DRWN: HKAWABATA '03/12/09 CHK: K.TOJO '03/12/09 APPR: M. Saito '03/12/09	DESCRIPTION	MATERIAL 材料	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 10:1	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	☐ mm INCH ☐ mm INCH ☒ mm ONLY	REVISE ON CAD ONLY
						FINISH 仕上り	10 UNDER 未満	±0.2	DRAWN BY & DATE H.KAWABATA '03/12/09	TITLE: 1.0 FFC CONN. NON ZIF SMT R/A (UPPER CONTACT) -LEAD FREE-		
							10 OVER 以上 30 UNDER 未満	±0.25	CHECKED BY & DATE K.TOJO '03/12/09			
							30 OVER 以上	±0.3	APPROVED BY & DATE M. Saito '03/12/09			
						WIRE RANGE 適用電線範囲	ANGLE 角度	±3°	CAD FILENAME SD-52793-011.S01	MATERIAL NO. 52793-**-19	DRAWING NO. SD-52793-011	SHEET NO. 1 OF 2
					REV	INS. RANGE 被覆外径	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			SIZE B		

DWG. NO. SD-52793-011
F
D
V
C
B
DO NOT SCALE DRAWING



(仕上がり厚さ0.3±0.03)
THICKNESS
適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION.

- 注記 NOTES:
1. 使用材料 MATERIAL
ハウジング : PPS, UL94V-0
ターミナル : リン青銅 (t=0.25)
メッキ : ニッケル下地錫ヒスマメッキ
金具 : リン青銅 (t=0.25)
メッキ : ニッケル下地純銅メッキ
HOUSING : PPS, UL94V-0
TERMINAL : PHOSPHOR BRONZE
PLATING : Sn-Bi OVER Ni
FITTING NAIL : PHOSPHOR BRONZE
PLATING : Sn OVER Ni
 2. 基準面 [E] からのソルダーテールとフィッティングネイルの半田付け面のズレ量は、
上方向に0.1MAX. 下方向0.15MAX. とする。
MISALIGNMENT OF SOLDER TAIL AND FITTING NAIL FROM [E]
: UPPER DIRECTION 0.1 MAX. , LOWER DIRECTION 0.15 MAX.
 3. 偶数極に適用。
APPLY FOR EVEN CKT.



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

4. 本製品は 52793-**10 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52793-**10

EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			SEE SHEET 1 OF 2 EC NO. DRWN: CHK: APPR:			DESCRIPTION MATERIAL 材料 注記参照 SEE NOTES FINISH 仕上 WIRE RANGE 適用電線範囲 INS. RANGE 被覆外径			GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差			SCALE 10:1		DESIGN UNITS mm INCH		THIRD ANGLE PROJECTION		mm INCH mm INCH mm ONLY		REVISE ON CAD ONLY			
																		DRAWN BY & DATE H.KAWABATA '03/12/09		TITLE: 1.0 FFC CONN. NON ZIF SMT R/A (UPPER CONTACT) -LEAD FREE-												
																		CHECKED BY & DATE K.TOJO '03/12/09														
																		APPROVED BY & DATE H. Sasao '03/12/09		MOLEX MOLEX INCORPORATED												
																		ANGLE 角度			±3°		CAD FILENAME SD-52793-011.S02		MATERIAL NO. 52793-**-19		DRAWING NO. SD-52793-011		SHEET NO. 2 OF 2		SIZE B	
															THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.																	

SD-52793-011.502

10 9 8 7 6 5 4 3 2 1

F

E

D

C

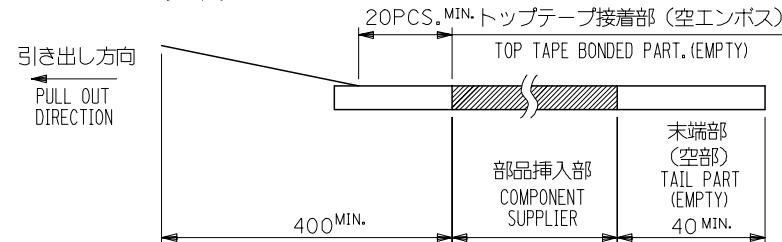
B

A

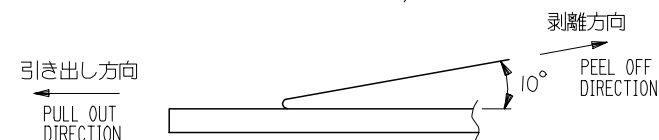


NOTES

- 製品詳細寸法については 製品単体図面 を参照下さい。
RE DETAILED DIMENSION, SEE SALES DRAWING FOR CONNECTOR.
- 梱包数量: 1000個/リール
NUMBER OF CONNECTORS: 1000PCS/REEL
- リードテープ長さ LEAD TAPE LENGTH



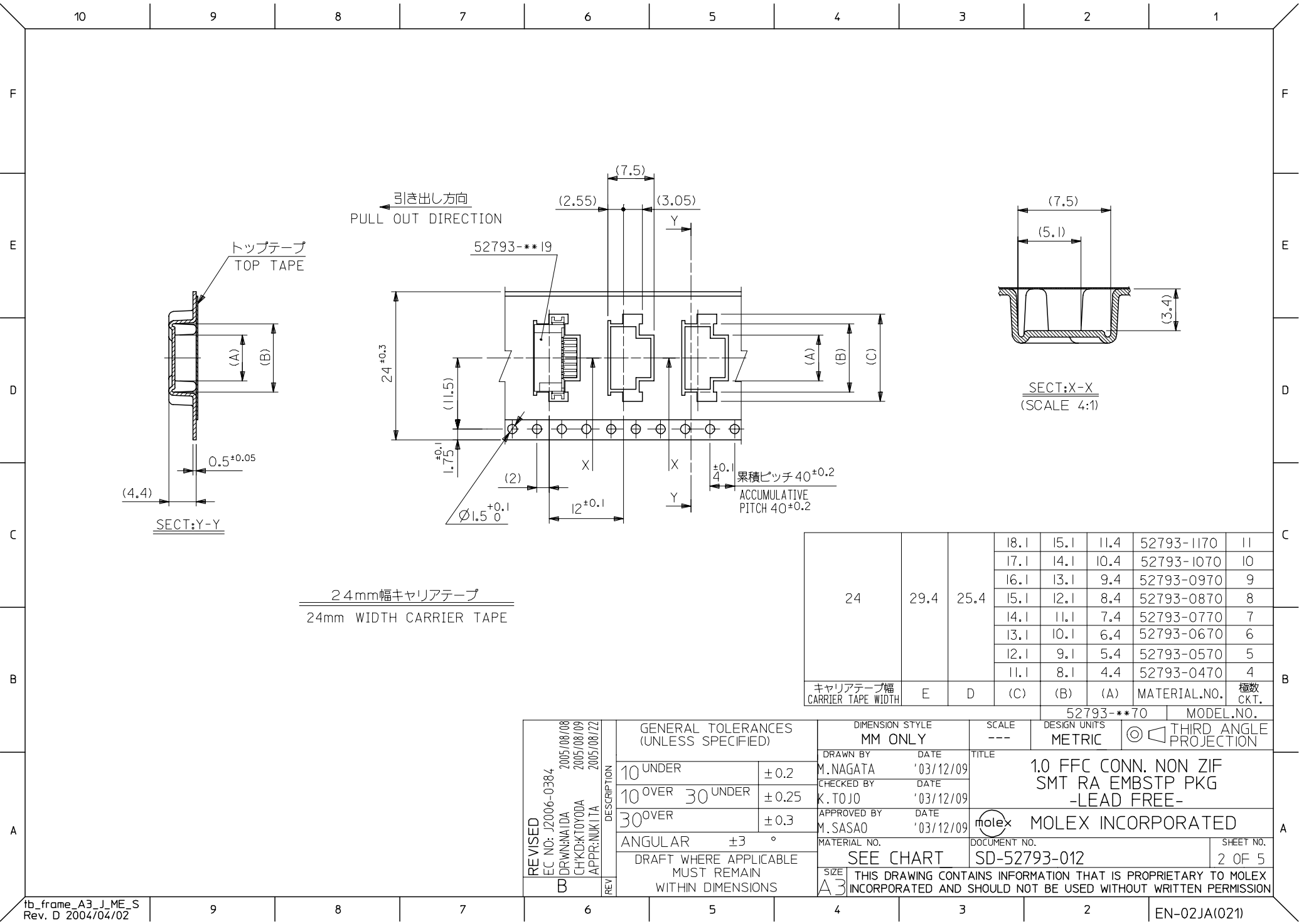
- トップテープの剥離強度: 0.1-1.3 N(10-130gf) (剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE: 0.1-1.3 N(10-130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.

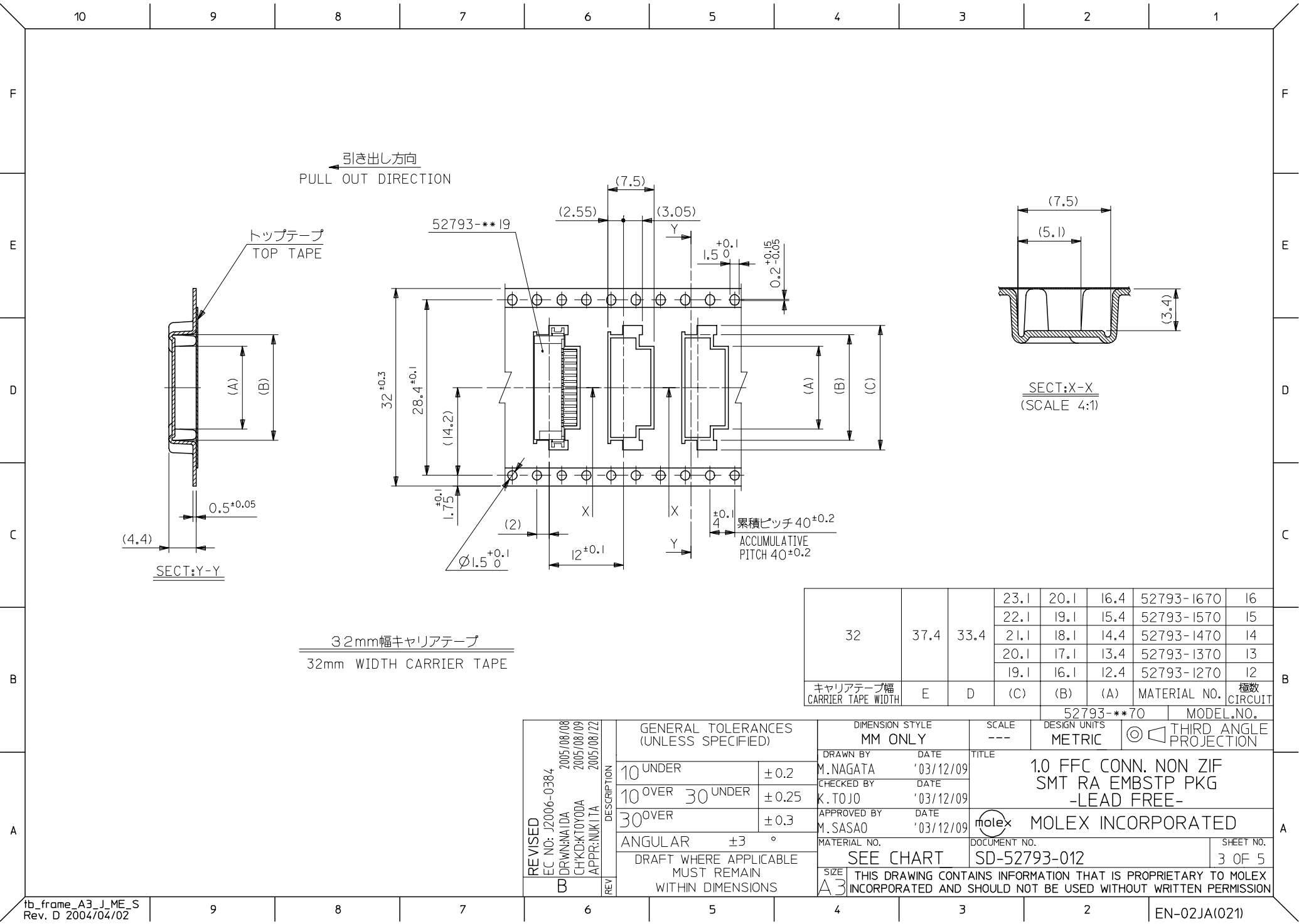


- 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE): ポリプロピレン (POLYPROPYLENE)
トップテープ (TOPTAPE): PET, PE, PEF
リール (REEL): ポリスチレン (PS) <リサイクル材を含む>
POLYSTYRENE (PS) <RECYCLE MATERIAL CONTAINED>
- 本製品は 52793-***90 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52793-***90

52793-***90 MODEL NO.

REVISED	EC NO: J2006-0384 DRAWN BY DAISUKE NAKADA CHKD BY TOYODA APPR: NUKITA	2005/08/08 2005/08/09 2005/08/22	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
				10 UNDER	± 0.2	DRAWN BY M. NAGATA	DATE '03/12/09	TITLE 1.0 FFC CONN. NON ZIF SMT RA EMBSTP PKG -LEAD FREE-				
				10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE '03/12/09					
				30 OVER	± 0.3	APPROVED BY M. SASAO	DATE '03/12/09					
				ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52793-012				1 OF 5
REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

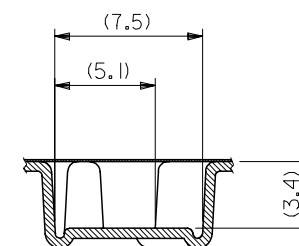




32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

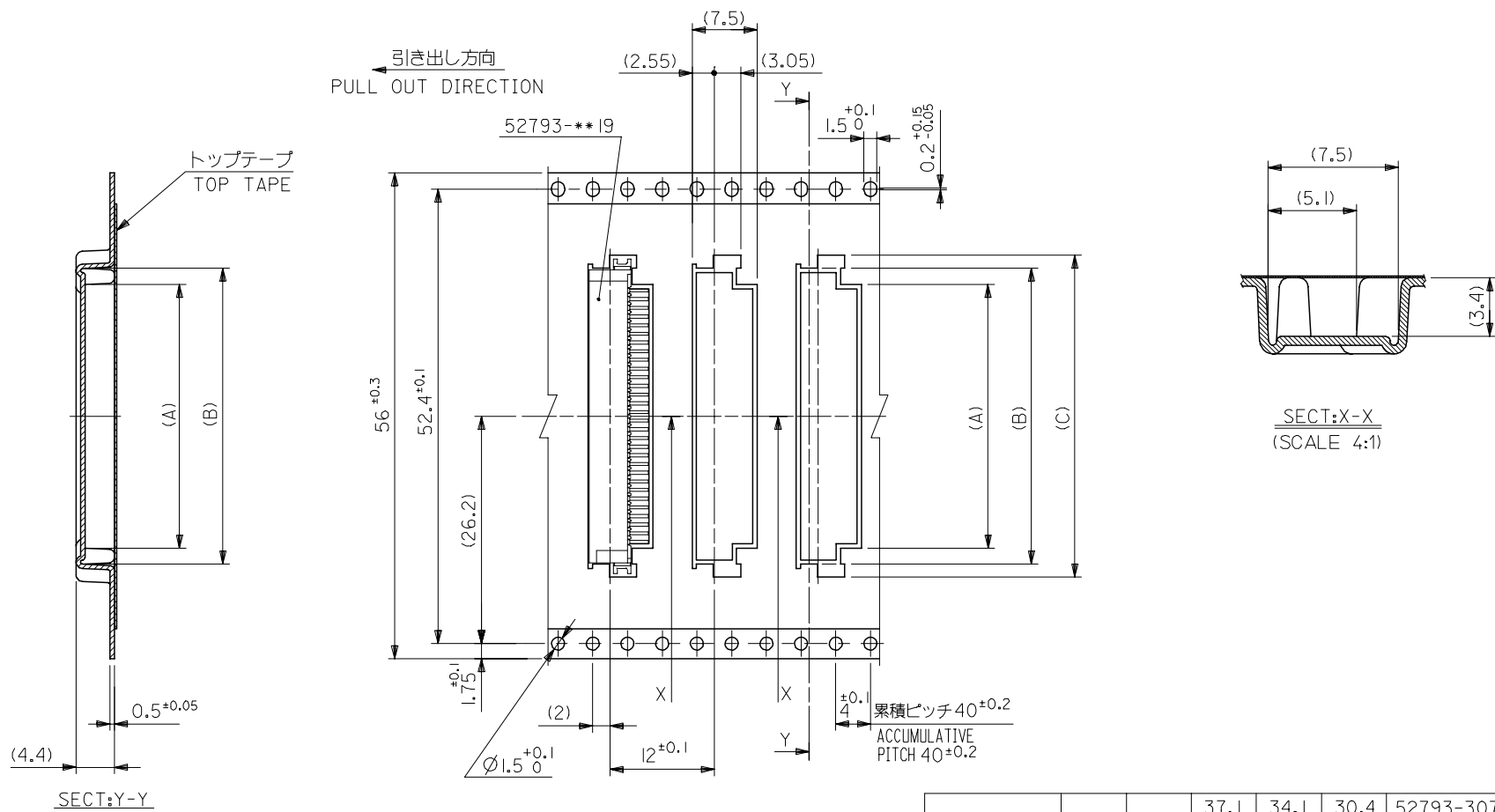
32	37.4	33.4	23.1	20.1	16.4	52793-1670	I6
			22.1	19.1	15.4	52793-1570	I5
			21.1	18.1	14.4	52793-1470	I4
			20.1	17.1	13.4	52793-1370	I3
			19.1	16.1	12.4	52793-1270	I2
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT

REVISED EC NO: J2006-0384 B	DRWN:NAIDA CHKD:KTOYODA APPR:NUKITA	2005/08/08 2005/08/09 2005/08/12	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				10 UNDER	±0.2	M. NAGATA	'03/12/09	1.0 FFC CONN. NON ZIF SMT RA EMBSTP PKG -LEAD FREE-			
				10 OVER 30 UNDER	±0.25	CHECKED BY K. TOJO	'03/12/09				
				30 OVER	±0.3	APPROVED BY M. SASAO	'03/12/09	MOLEX INCORPORATED			
				ANGULAR	±3 °	MATERIAL NO.					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52793-012		3 OF 5	
						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

SECT:Y-Y

44	49.4	45.4	34.1	31.1	27.4	52793-2770	27
			33.1	30.1	26.4	52793-2670	26
			32.1	29.1	25.4	52793-2570	25
			31.1	28.1	24.4	52793-2470	24
			30.1	27.1	23.4	52793-2370	23
			29.1	26.1	22.4	52793-2270	22
			28.1	25.1	21.4	52793-2170	21
			27.1	24.1	20.4	52793-2070	20
			26.1	23.1	19.4	52793-1970	19
			25.1	22.1	18.4	52793-1870	18
24.1	21.1	17.4	52793-1770	17			
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT

REVISED	EC NO: J2006-0384			2005/08/08 DRAWN/DAI		2005/08/09 CHK/KK TOYODA		2005/08/22 APPR/NUKITA		DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	10 UNDER				± 0.2		M. NAGATA		'03/12/09		TITLE 1.0 FFC CONN. NON ZIF SMT RA EMBSTP PKG -LEAD FREE-							
	10 OVER		30 UNDER		± 0.25		CHECKED BY K. TOJO		'03/12/09									
	30 OVER				± 0.3		APPROVED BY M. SASAO		'03/12/09		MOLEX INCORPORATED							
	ANGULAR		±3		°		MATERIAL NO.		DOCUMENT NO.								SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52793-012		4 OF 5		SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										



56mm幅キャリアテープ
56mm WIDTH CARRIER TAPE

56	61.4	57.4	37.1	34.1	30.4	52793-3070	30
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	36.1	33.1	29.4	52793-2970	29
			35.1	32.1	28.4	52793-2870	28
			(C)	(B)	(A)	MATERIAL NO.	極数 CIRCUIT

REVISED EC NO: J2006-0384 DRAWN: NAITA CHK: KTOYODA APP: NUKITA	DESCRIPTION 2005/08/08 2005/08/09 2005/08/22	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
		10 UNDER	± 0.2	DRAWN BY M. NAGATA	DATE '03/12/09	TITLE 1.0 FFC CONN. NON ZIF SMT RA EMBSTP PKG -LEAD FREE-			
		10 OVER 30 UNDER	± 0.25	CHECKED BY K. TOJO	DATE '03/12/09				
		30 OVER	± 0.3	APPROVED BY M. SASAO	DATE '03/12/09	 MOLEX INCORPORATED			
		ANGULAR ±3 °		MATERIAL NO.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52793-012		5 OF 5	
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			