

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0527931970](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch Right Angle, SMT, Non-ZIF, Top Contact Style, 19 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) 19
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

China RoHS



Not Reviewed

Need more information on product environmental compliance?

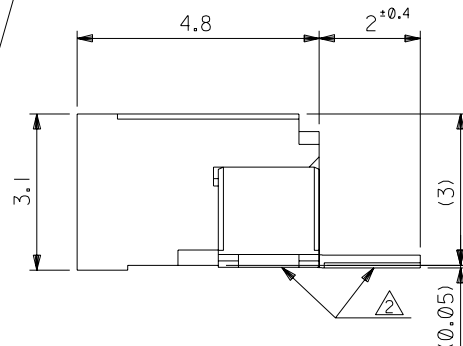
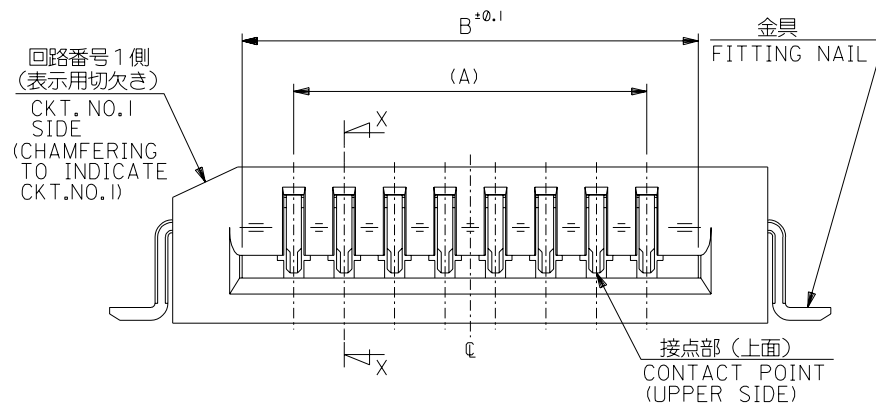
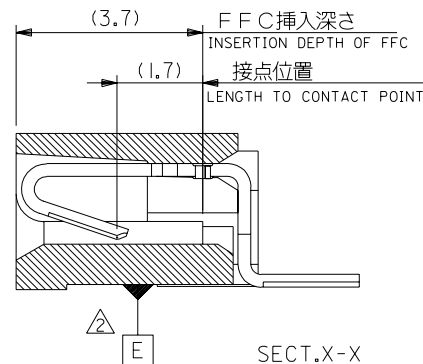
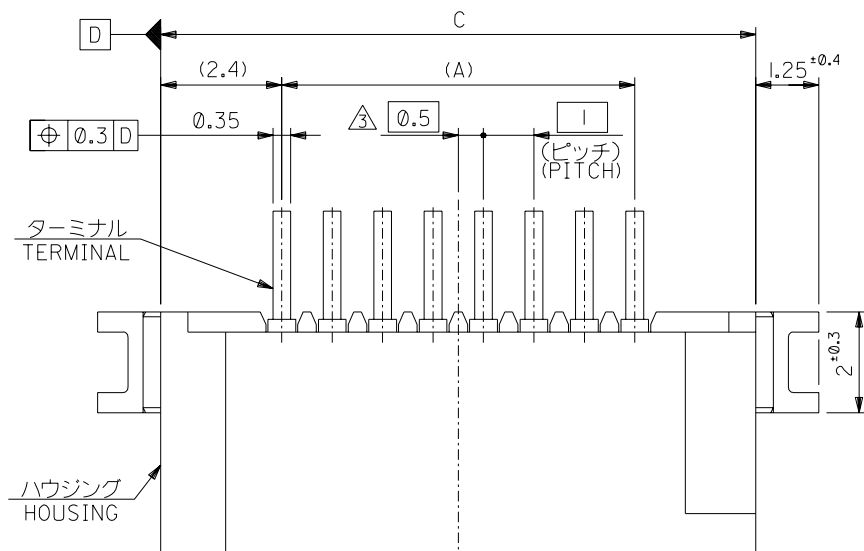
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

Search Parts in this Series
[52793Series](#)

This document was generated on 06/05/2010

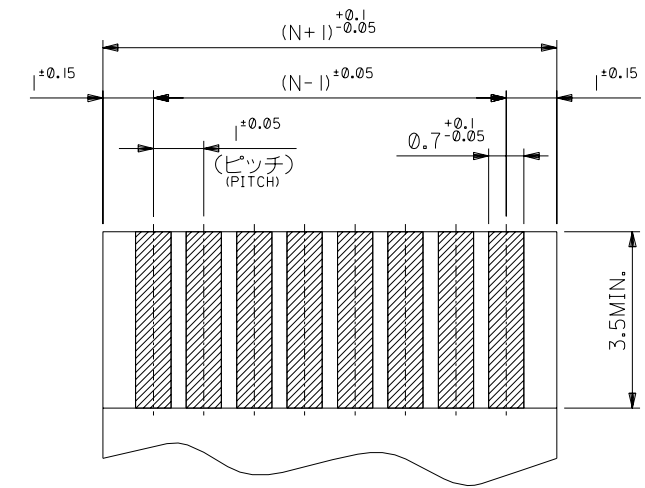
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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	極数 CIRCUIT

EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	RELEASED EC NO. J2004-1419 DRWN: H.KAWABATA '03/12/09 CHK: K.TOJO '03/12/09 APPR: M. Saito '03/12/09	DESCRIPTION FINISH 仕上付 WIRE RANGE 適用電線範囲 INS. RANGE 被覆外径	MATERIAL 材料 注記参照 SEE NOTES // // //	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 10:1	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION 	☐ mm INCH ☐ mm ☒ mm ONLY	REVISE ON CAD ONLY
					0	REV		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- MOLEX INCORPORATED		
								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			
								ANGLE 角度	±3°	CAD FILENAME SD-52793-011.S01	MATERIAL NO. 52793-**-19	DRAWING NO. SD-52793-011	SHEET NO. 1 OF 2
										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			SIZE B

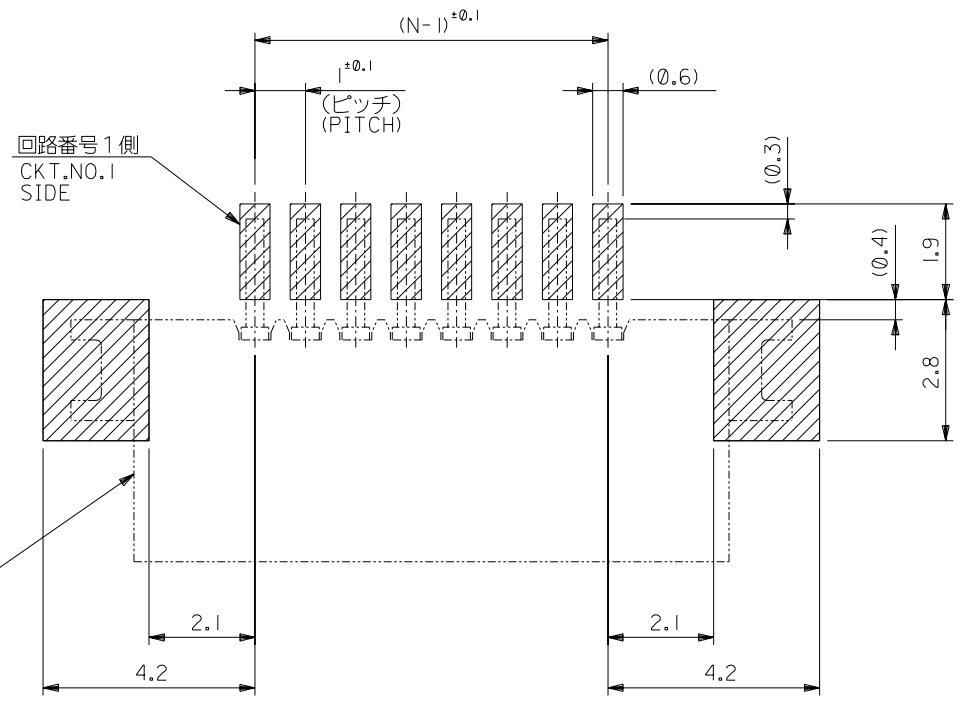
DWG. NO. SD-52793-011
F
D
V
C
B
DO NOT SCALE DRAWING



(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] からのソルダータ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	DESCRIPTION	MATERIAL 材料 注記参照 SEE NOTES	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	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 30 UNDER 以上 未満	±0.25	CHECKED BY & DATE K.TOJO '03/12/09					
								WIRE RANGE 適用電線範囲		30 OVER 以上	±0.3	APPROVED BY & DATE M. Sasaki '03/12/09		MOLEX INCORPORATED					
								INS. RANGE 被覆外径			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

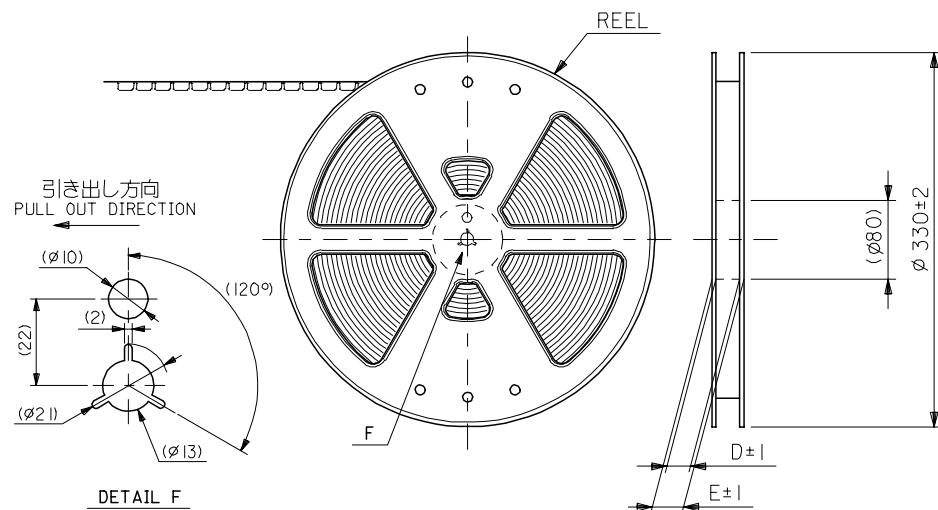
E

D

C

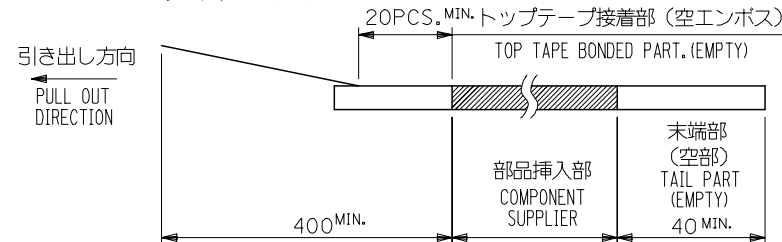
B

A

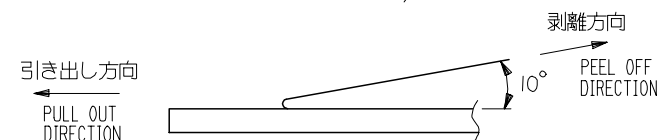


NOTES

- 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



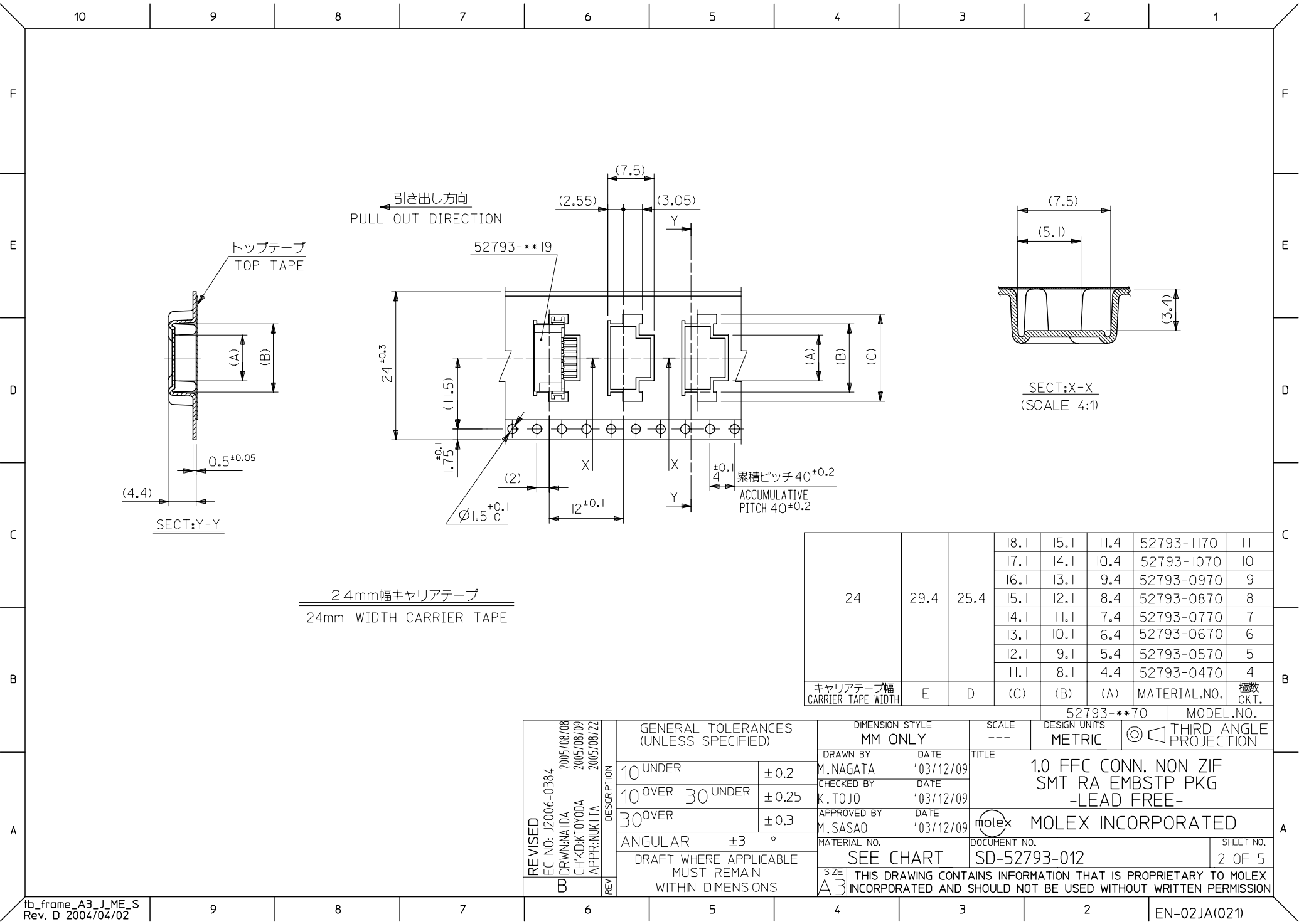
- トップテープの剥離強度: 0.1-1.3 N(10-130gf) (剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE: 0.1-1.3 N(10-130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.



- 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

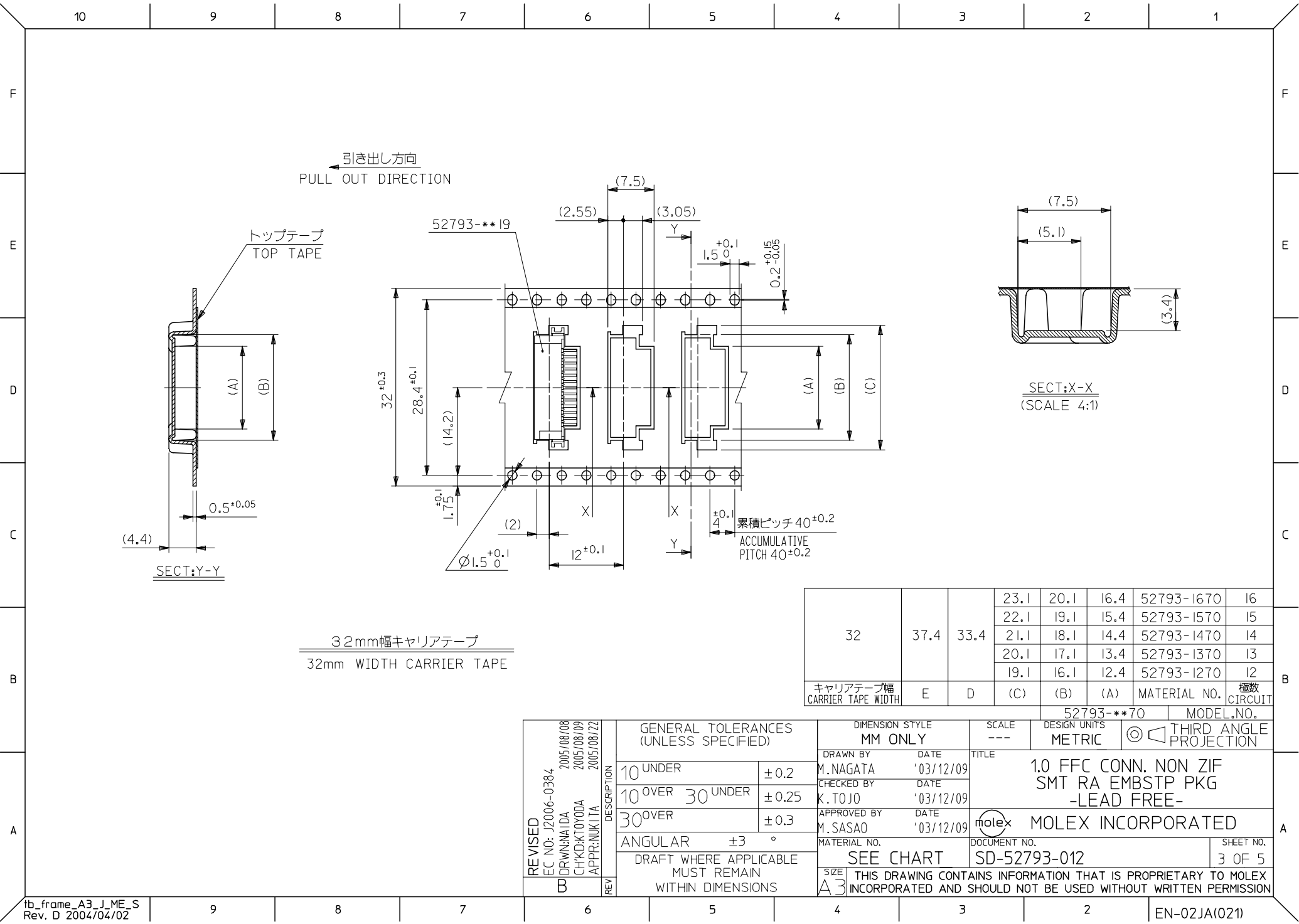
52793-***90 MODEL NO.

REVISED	EC NO: J2006-0384	DRAWN BY DAIWANAIDA	2005/08/08	2005/08/09	CHKD BY TOYODA	2005/08/10	APPR: NUKITA	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	 MOLEX INCORPORATED			
										ANGULAR ±3 °		MATERIAL NO.					
										DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52793-012		1 OF 5	
REV									SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



24	29.4	25.4	18.1	15.1	11.4	52793-1170	11
			17.1	14.1	10.4	52793-1070	10
			16.1	13.1	9.4	52793-0970	9
			15.1	12.1	8.4	52793-0870	8
			14.1	11.1	7.4	52793-0770	7
			13.1	10.1	6.4	52793-0670	6
			12.1	9.1	5.4	52793-0570	5
キャリアテープ幅 CARRIER TAPE WIDTH	E	D	(C)	(B)	(A)	MATERIAL NO.	極数 CKT.
			(C)	(B)	(A)	52793-***70	MODEL NO.

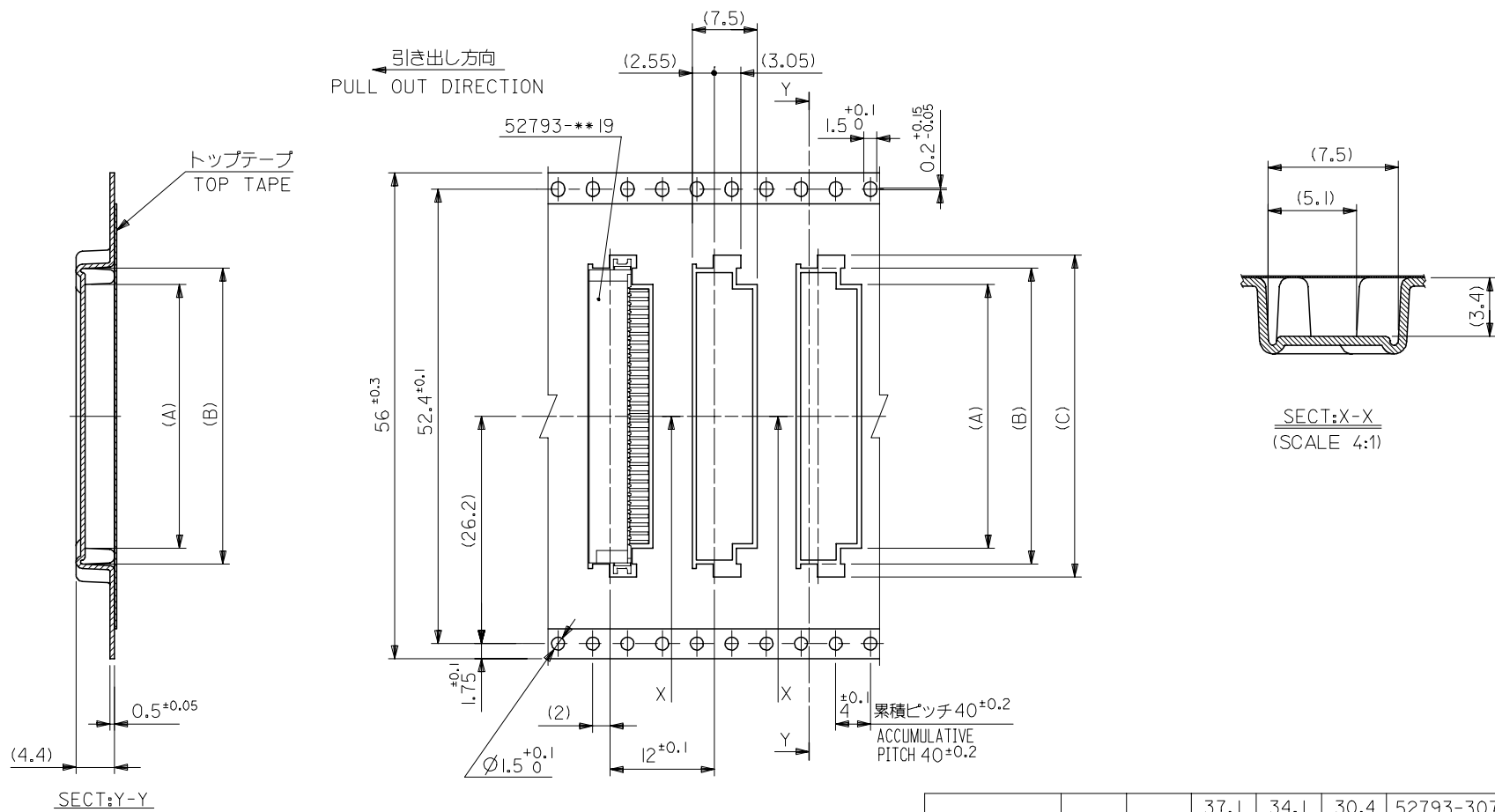
REVISED EC NO: J2006-0384 DRWN: AIDA CHKD: KTOYODA APPR: NUKITA 2005/08/08 2005/08/09 2005/08/22	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. NAGATA	DATE '03/12/09	TITLE 1.0 FFC CONN. NON 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	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52793-012		2 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: AIDA CHKD: KTOYODA APPR: NUKITA	2005/08/08 2005/08/09 2005/08/22	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	
					MM ONLY		---	METRIC		
			10 UNDER	±0.2	M. NAGATA	DATE '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	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		3 OF 5	
					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
			36.1	33.1	29.4	52793-2970	29
			35.1	32.1	28.4	52793-2870	28
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:NAIDA	2005/08/09 CHK:KTOYODA	2005/08/22 APP:NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	MODEL NO.
						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.		SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52793-012		5 OF 5								
					REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								