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Part Number:

0527931470

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch Right Angle, SMT, Non-ZIF, Top Contact Style, 14 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)	14
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

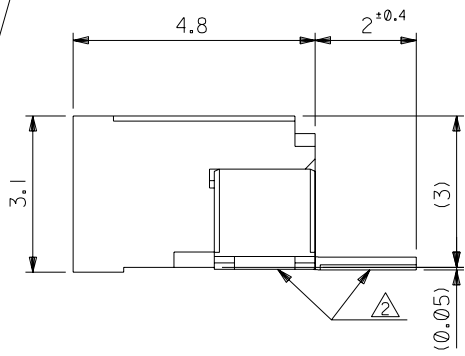
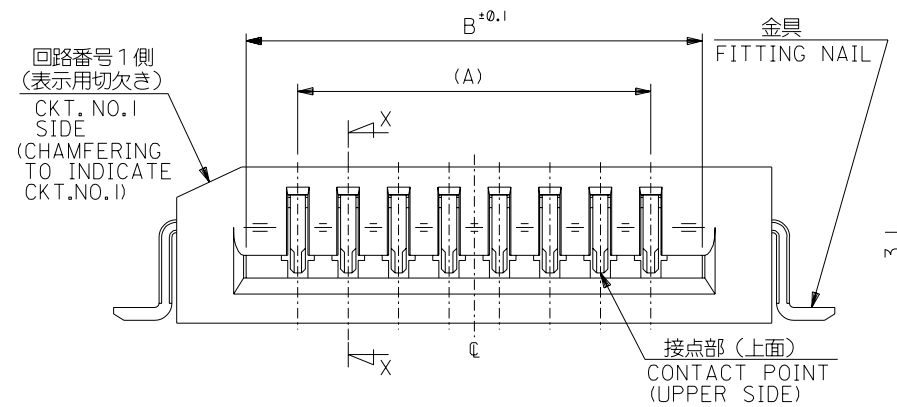
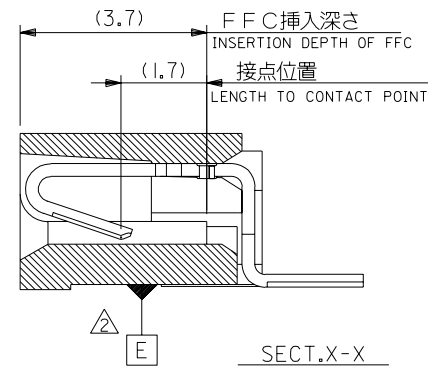
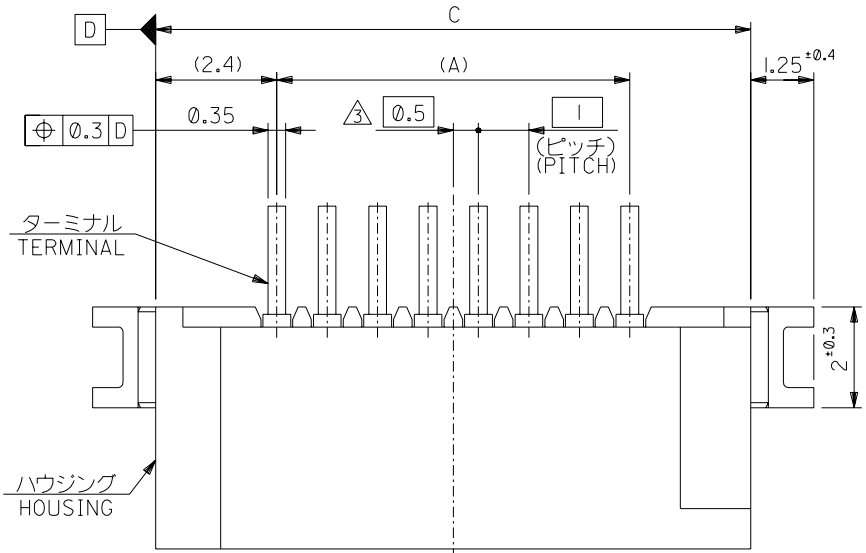
52793Series

This document was generated on 06/05/2010

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DWG. NO.
SD-52793-011

DO NOT SCALE DRAWING



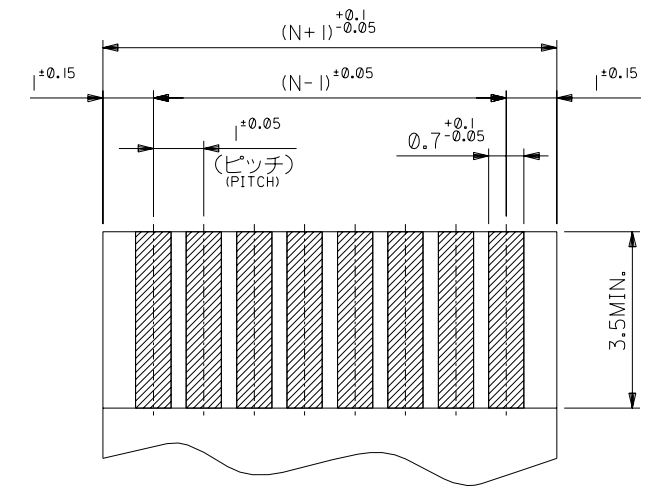
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29.8	27.05	25	-2619	26
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26.8	24.05	22	-2319	23
25.8	23.05	21	-2219	22
24.8	22.05	20	-2119	21
23.8	21.05	19	-2019	20
22.8	20.05	18	-1919	19
21.8	19.05	17	-1819	18
20.8	18.05	16	-1719	17
19.8	17.05	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: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	EC NO. DRWN: CH'K: APPR:	RELEASED EC NO. J2004-1419 DRWN: H.KAWABATA '03/12/09 CH'K: K.TOJO '03/12/09 APPR: H. Saito '03/12/09	MATERIAL 材料 FINISH 仕上げ WIRE RANGE 適用電線範囲 INS. RANGE 被覆外径	DESCRIPTION 記号参照 SEE NOTES	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差 10 UNDER 未満 ±0.2 10 OVER 30 UNDER 未満 ±0.25 30 OVER 以上 ±0.3 ANGLE 角度 ±3°	SCALE 10:1 DESIGN UNITS mm INCH	DRAWN BY & DATE H.KAWABATA '03/12/09 CHECKED BY & DATE K.TOJO '03/12/09 APPROVED BY & DATE H. Saito '03/12/09 CAD FILENAME SD-52793-011.S01	TITLE: 1.0 FFC CONN. NON ZIF SMT R/A (UPPER CONTACT) -LEAD FREE- Molex MOLEX INCORPORATED	MATERIAL NO. 52793-***19 DRAWING NO. SD-52793-011 SHEET NO. 1 OF 2	SHT REV REVISION ON CAD ONLY
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

EN-02J(097) MXJ-54

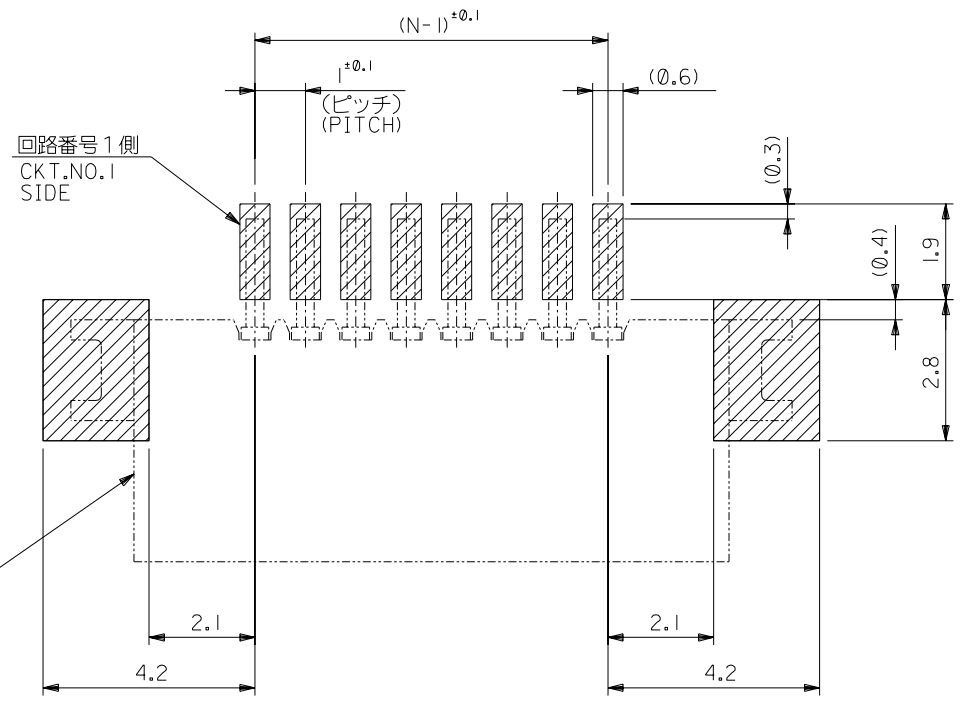
DWG. NO. SD-52793-011
F
D
V
C
B
DO NOT SCALE DRAWING



(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 : ニッケル下地錫ピスマスメッキ
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:				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					
								30 OVER 以上	±0.3	APPROVED BY & DATE M. Saito '03/12/09		MOLEX INCORPORATED			
					WIRE RANGE 適用電線範囲			ANGLE 角度	±3°	CAD FILENAME SD-52793-011.S02	MATERIAL NO. 52793-***19	DRAWING NO. SD-52793-011	SHEET NO. 2 OF 2		
				0	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	

SD-52793-011.502

10 9 8 7 6 5 4 3 2 1

F

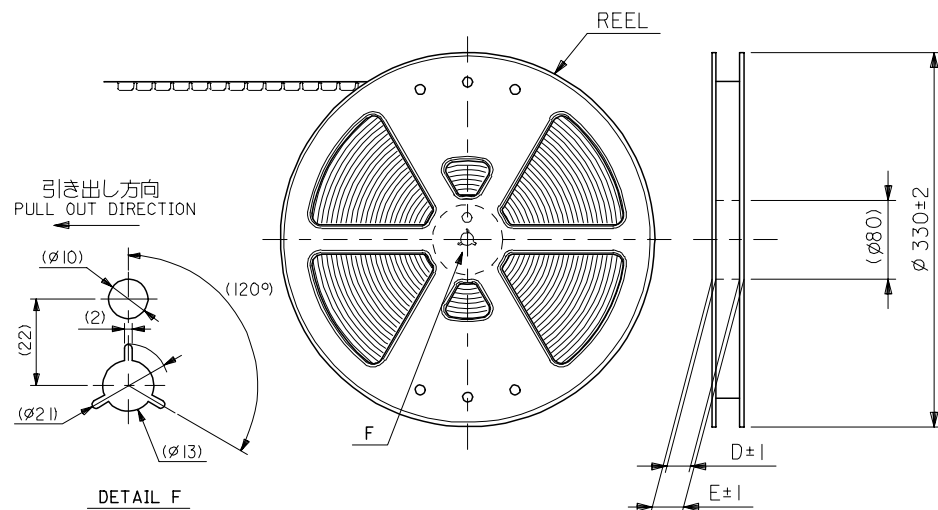
E

D

C

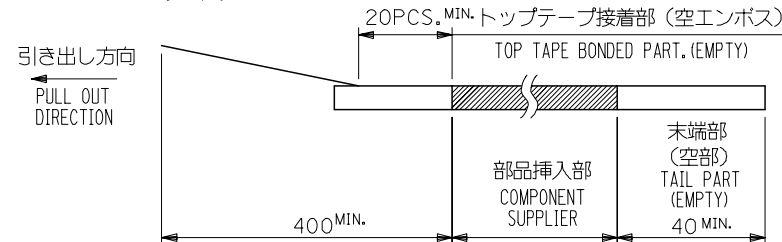
B

A

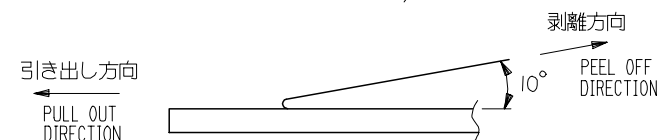


NOTES

- 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



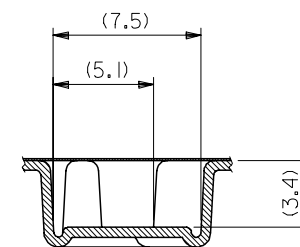
- トップテープの剥離強度: 0.1-1.3 N(10-130gf) (剥離方向は下図参照)
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)
PEELING OFF FORCE OF TOP TAPE: 0.1-1.3 N(10-130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.



- 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	CHECKED BY CHIKAKI TOYODA	2005/08/09	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						



24mm幅キャリアテープ

52793-**70	MODEL.NO.
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tb_frame_A3_J_ME_S
Rev. D 2004/04/02

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

E

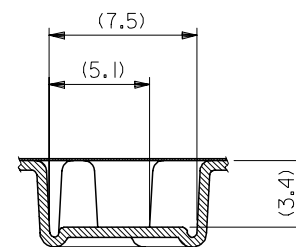
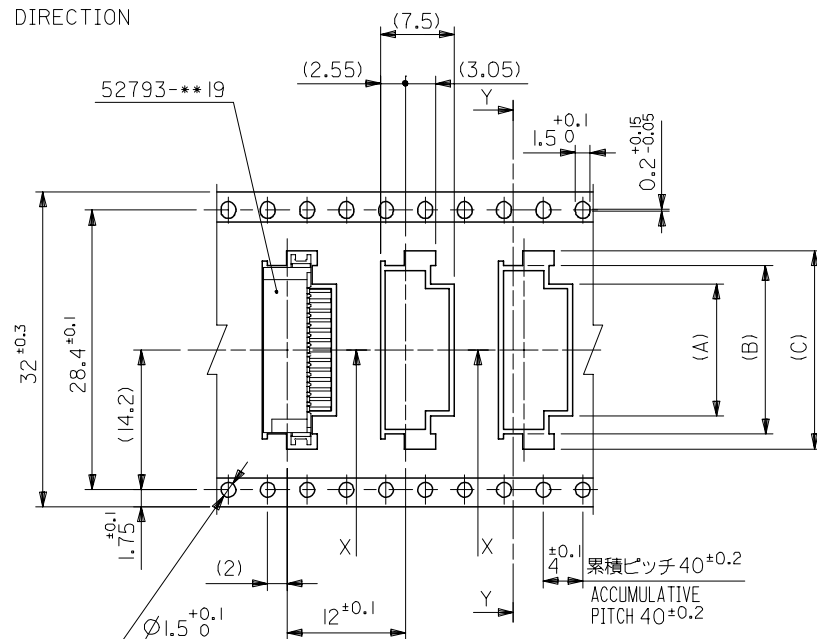
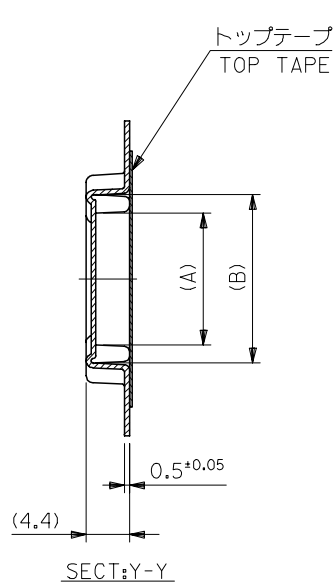
D

C

B

A

引き出し方向
PULL OUT DIRECTION

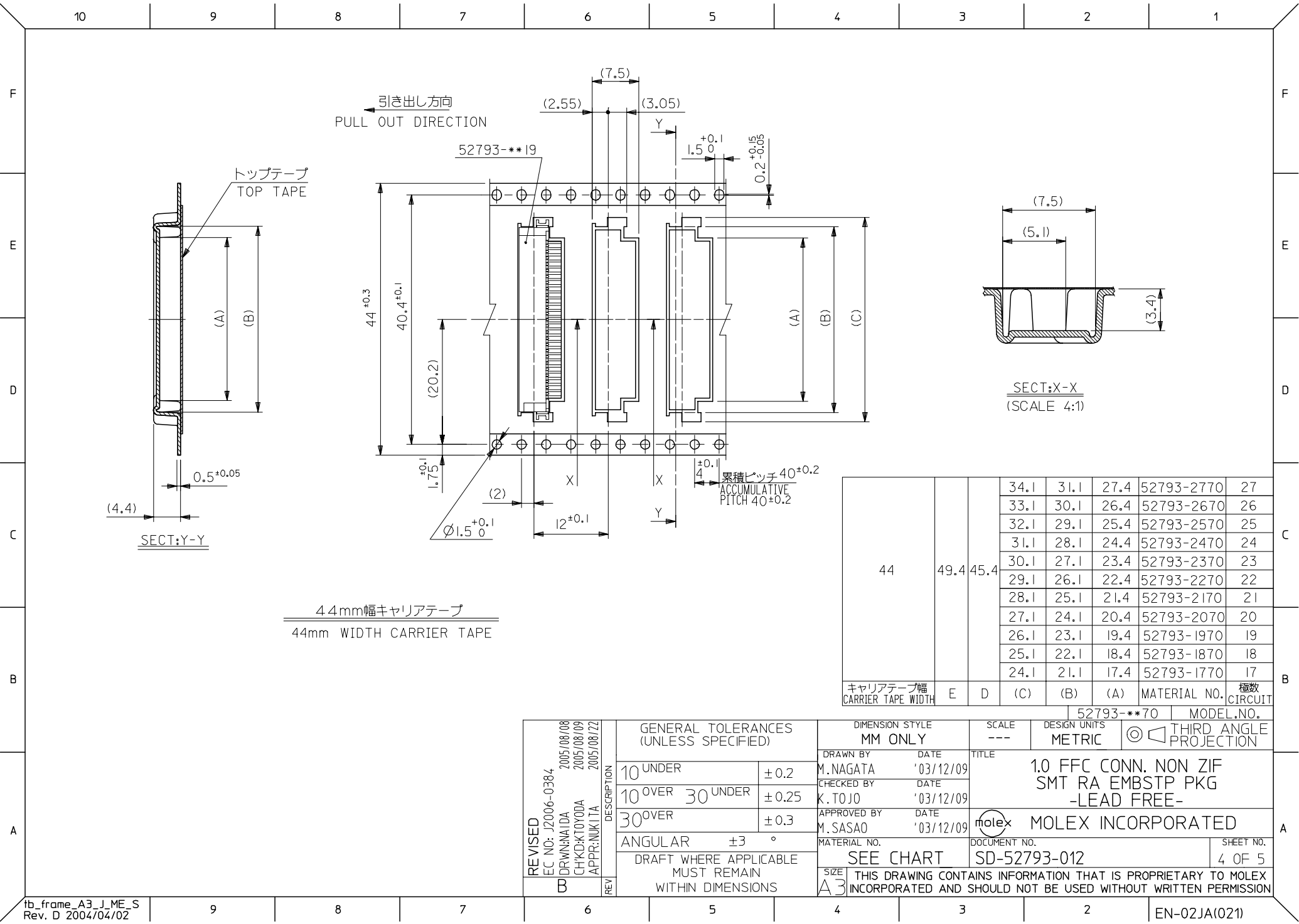


32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

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

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.					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52793-012		3 OF 5	
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



44mm幅キャリアテープ
44mm WIDTH CARRIER TAPE

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

52793-***70 MODEL NO.

REVISED EC NO: J2006-0384 B	DRWN:NAIDA 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	4 OF 5	
REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

