

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0528081870

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 18 Circuits, Lead-free

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

52808Series

Agency Certification

UL

E29179

General

Product Family

FFC/FPC Connectors

Series

52808

Overview

ffc_fpc_smt

Product Name

N/A

Physical

Circuits (Loaded)

18

Circuits (maximum)

18

Color - Resin

Natural

Contact Position

N/A

Durability (mating cycles max)

10

Entry Angle

N/A

Flammability

94V-0

Mated Height (in)

0.199 In

Mated Height (mm)

5.05 mm

Material - Metal

Phosphor Bronze

Material - Plating Mating

Tin-Bismuth

Material - Plating Termination

Tin-Bismuth

Material - Resin

High Temperature Thermoplastic

Number of Rows

1

Orientation

Vertical

PCB Locator

No

PCB Retention

None

Packaging Type

Embossed Tape on Reel

Pitch - Mating Interface (in)

0.039 In

Pitch - Mating Interface (mm)

1.00 mm

Pitch - Term. Interface (in)

0.039 In

Pitch - Term. 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

Surface Mount Compatible (SMC)

Yes

Temperature Range - Operating

-20°C to +80°C

Termination Interface: Style

Surface Mount

Wire/Cable Type

FFC/FPC

Electrical

Current - Maximum per Contact

0.5A

Voltage - Maximum

125V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-52808-001

Product Specification

PS-52808-004, RPS-52808-039, RPS-52808-044,
RPS-52808-045, RPS-52808-047, RPS-52808-048,
RPS-52808-049
SD-52808-027, SD-52808-028

Sales Drawing

This document was generated on 06/05/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

F

E

D

C

B

A

F

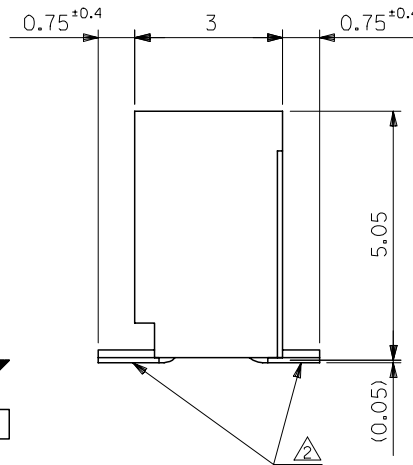
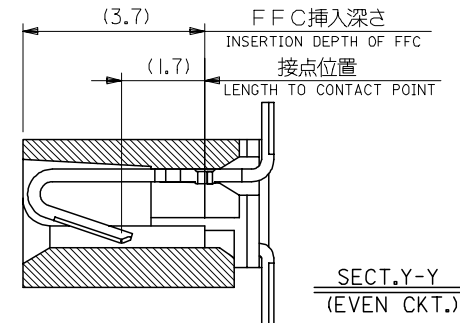
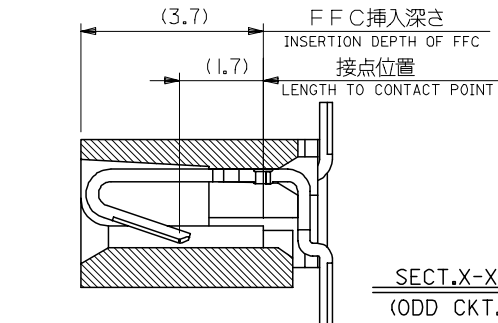
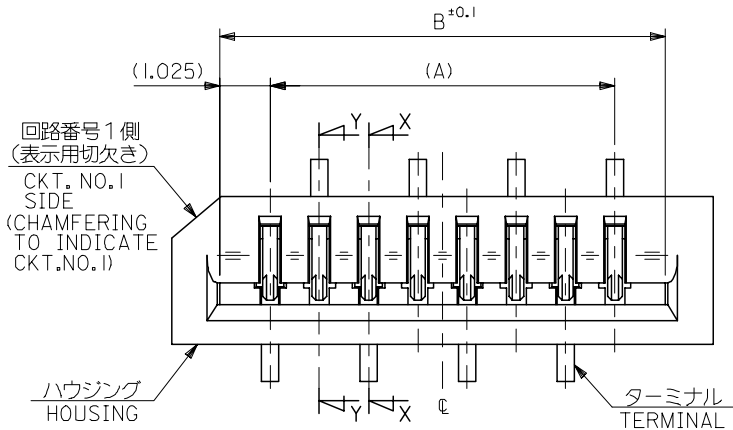
E

D

C

B

A



33	31.05	29	52808-3019	30
32	30.05	28	-2919	29
31	29.05	27	-2819	28
30	28.05	26	-2719	27
29	27.05	25	-2619	26
28	26.05	24	-2519	25
27	25.05	23	-2419	24
26	24.05	22	-2319	23
25	23.05	21	-2219	22
24	22.05	20	-2119	21
23	21.05	19	-2019	20
22	20.05	18	-1919	19
21	19.05	17	-1819	18
20	18.05	16	-1719	17
19	17.05	15	-1619	16
18	16.05	14	-1519	15
17	15.05	13	-1419	14
16	14.05	12	-1319	13
15	13.05	11	-1219	12
14	12.05	10	-1119	11
13	11.05	9	-1019	10
12	10.05	8	-0919	9
11	9.05	7	-0819	8
10	8.05	6	-0719	7
9	7.05	5	-0619	6
8	6.05	4	-0519	5
7	5.05	3	52808-0419	4

注記 NOTES:

1. 使用材料 MATERIAL

ハウジング: PPS, UL94V-0

HOUSING: PPS, UL94V-0

ターミナル: リン青銅 ($t=0.25$)

TERMINAL: PHOSPHOR BRONZE

メッキ: ニッケル下地鍍ビスマスメッキ

PLATING: TIN-BISMUTH OVER NICKEL

△基準面 [E] からのソルダーテー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 FROM [E]: UPPER DIRECTION 0.1 MAX., LOWER DIRECTION 0.15 MAX.

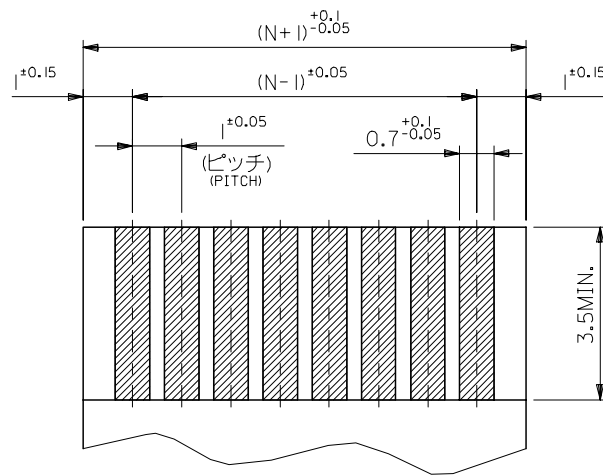
△偶数極に適用。

APPLY FOR EVEN CKT.

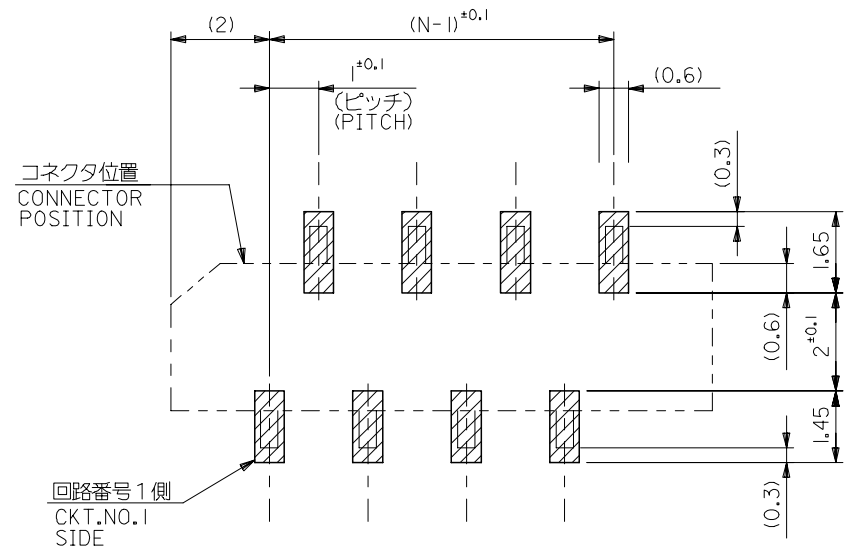
4. 本製品は52808-**-10の鉛フリー品である。

THIS PRODUCT IS LEAD FREE OF 52808-**-10

REVISED EC NO: J2006-1497 DRWN: NABE1 CHKD: TOYODA APPR: NUKITA	DESCRIPTION 2005/11/04 2005/11/07 2005/11/11	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		10 UNDER	±0.2	DRAWN BY M. NABE1	DATE '04/02/19	TITLE 1.0 FFC CONN. NON ZIF SMT. ST. -LEAD FREE-			
		10 OVER 30 UNDER	±0.25	CHECKED BY M. SASAO	DATE '04/02/19				
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE '04/02/19				
		ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52808-027		1 OF 1	
	A	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



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



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

FPCについて:

打抜き方向は、導体側から補強板側を推奨いたします。

補強フィルム材質は、ポリイミドを推奨いたします。

接着剤は、熱硬化接着剤を推奨いたします。

ABOUT FPC:

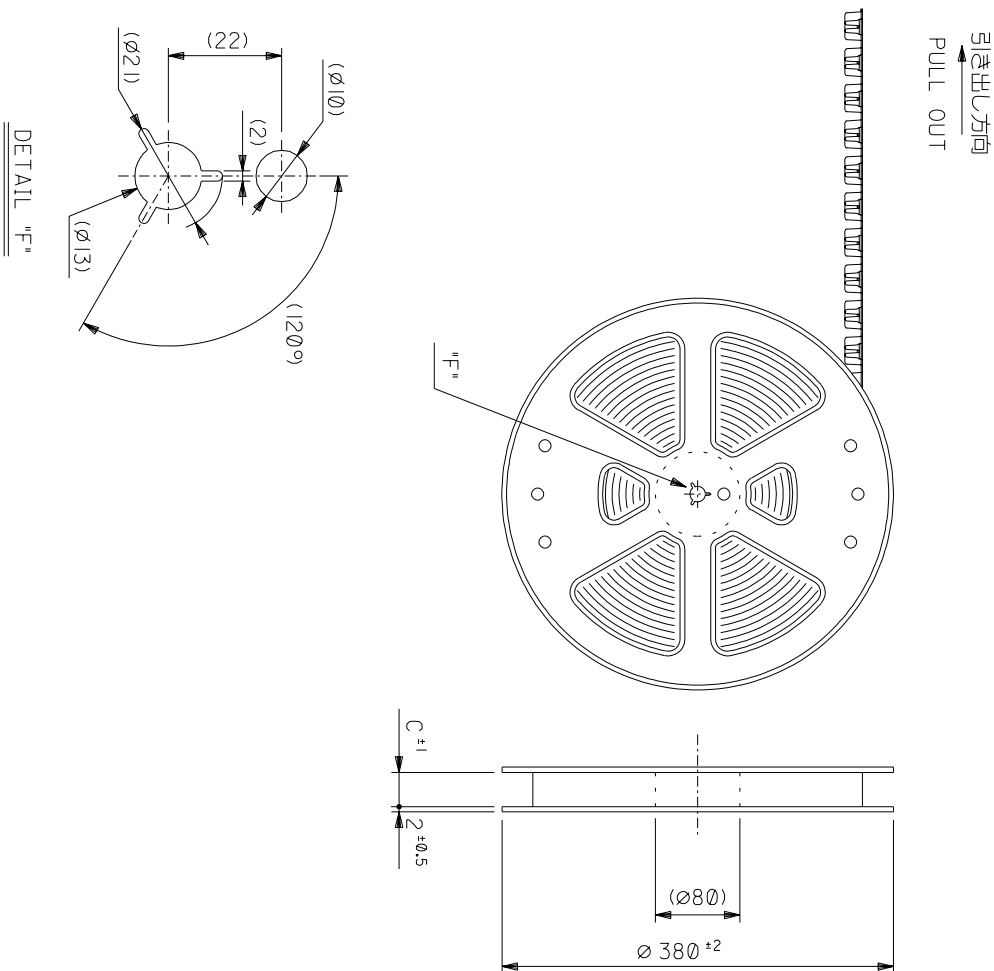
RECOMMENDED PUNCHER DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.

RECOMMENDED MATERIAL:

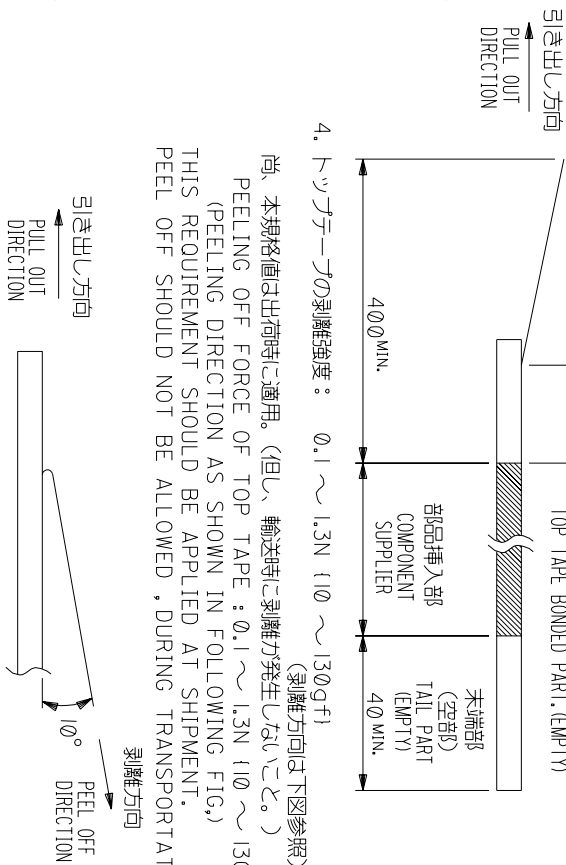
STIFFENER FILM: POLYIMIDE

BONDING AGENT: THERMOSETTING BONDING AGENT

REVISED EC NO: J2006-1497 DRAWN:MABEL CHKD:KTOYODA APPR:NUKITA	2005/11/04 2005/11/07 2005/11/11	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
			10 UNDER	±0.2	DRAWN BY M.NABE I	DATE '04/02/19	TITLE 1.0 FFC CONN. NON ZIF SMT. ST. -LEAD FREE-			
			10 OVER 30 UNDER	±0.25	CHECKED BY M.SASAO	DATE '04/02/19				
			30 OVER	±0.3	APPROVED BY M.SASAO	DATE '04/02/19	MOLEX INCORPORATED			
	ANGULAR ±3 °		MATERIAL NO.		DOCUMENT NO.				SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52808-027				2 OF 2		
A	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



1. 製品詳細方法については図面 SD-52808-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-52808-027
2. 梱包数量: 10000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
3. リーダーテープ長さ LEAD TAPE LENGTH

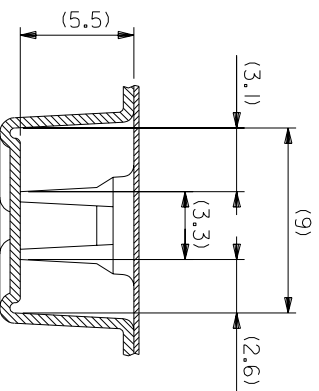
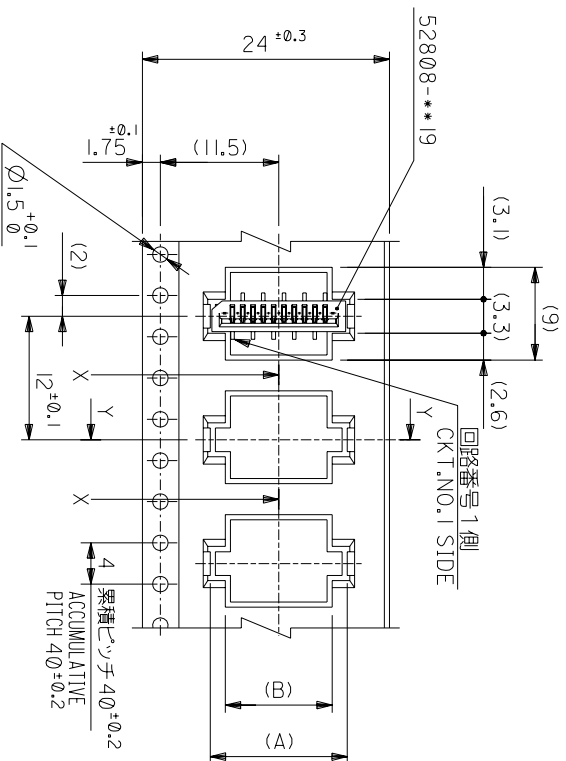
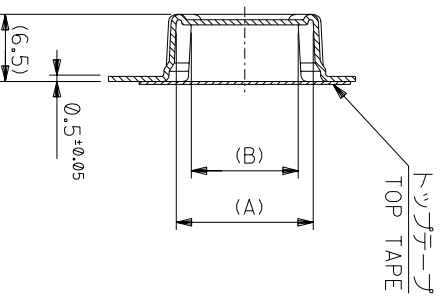


5. 材料(MATERIAL)
キャリアテープ(CARRIER TAPE)：ポリプロピレン(POLYPROPYLENE)
トップテープ(TOPTAPE)：PET、PE、PEF
リール(REEL)：ポリスチレン(P.S)＜リサイクル材を含む＞
POLYSTYRENES) RECYCLE MATERIAL CONTAINED)
6. 本製品は52808-＊＊900の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52808-＊＊900

52808-***70	
MODEL NO.	
 MOLEX-JAPAN CO.,LTD. モレックス株式会社 TITLE 名称 I.Ø FFC Conn NON ZIF SMT ST EmbStd Pkg -LEAD FREE- DWG. NO. (SHEET 1 OF 6) REV SD-52808-028 0	
材料 MATERIAL	注記参照 SEE NOTES
仕上げ FINISH	— //
適用電線範囲 WIRE RANGE	— //
被覆外径 INS. RANGE	— //
DRAWN BY 04/02/19 CHK'D BY 04/02/19 M.NABEI M.SASAO	
APP'D BY 04/02/19 尺度 M.SASAO SCALE — //	
材料	注記参照 SEE NOTES
仕上げ FINISH	— //
適用電線範囲 WIRE RANGE	— //
被覆外径 INS. RANGE	— //
DRAWN BY 04/02/19 CHK'D BY 04/02/19 M.NABEI M.SASAO	
APP'D BY 04/02/19 尺度 M.SASAO SCALE — //	
角度 ANGLE	±3°
30 以上	±0.3
10 以上 30 UNDER	±0.25
10 UNDER	±0.2
一般公差 GENERAL TOLERANCES	記号 LTR
変更内容 REVISION RECORD	DATE
DR. / CHK.	DATE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEXYLAPLAN AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
EN-01C032IMXJ-32

SD-52808-028.S01



SECRET:Y-Y

引き出し方向
PULL OUT DIRECTION

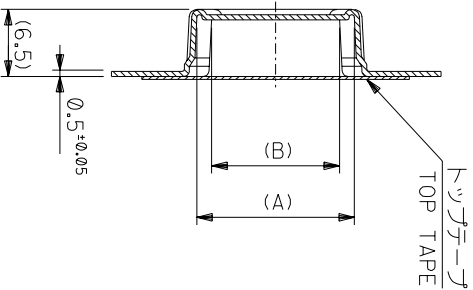
24mm幅キヤリアテープ

24mm WIDTH CARRIER TAPE

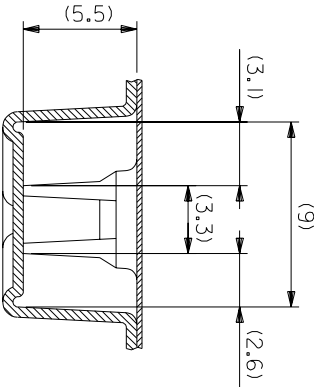
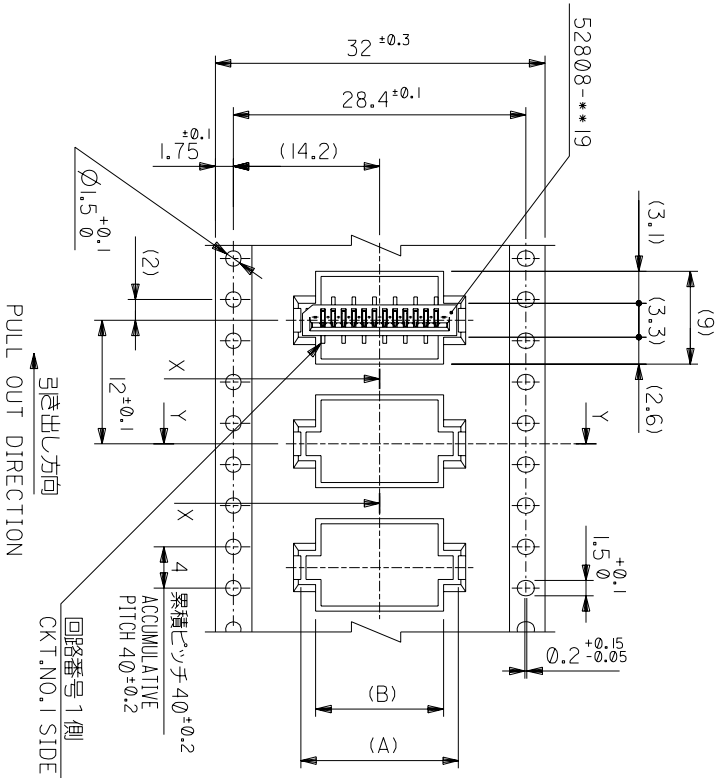
MODEL NO.	C	(B)	(A)	MATERIAL NO.	10
					52808-0670
					52808-0770
					52808-0870
24	25.5	7.4	10.3	52808-0770	7
52808-0770		6.4	9.3	52808-0670	6

[illegible]

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
 FROM MOLEX(JAPAN) (株) 的所有する情報を盗むもので当社の許可なく複製禁止する。
 本図面は日本モレックス(株)の所有する情報であることを当社の許可なく複製禁止する。
 EN-01C(032)MXJ-32



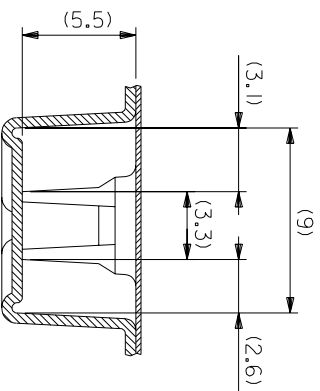
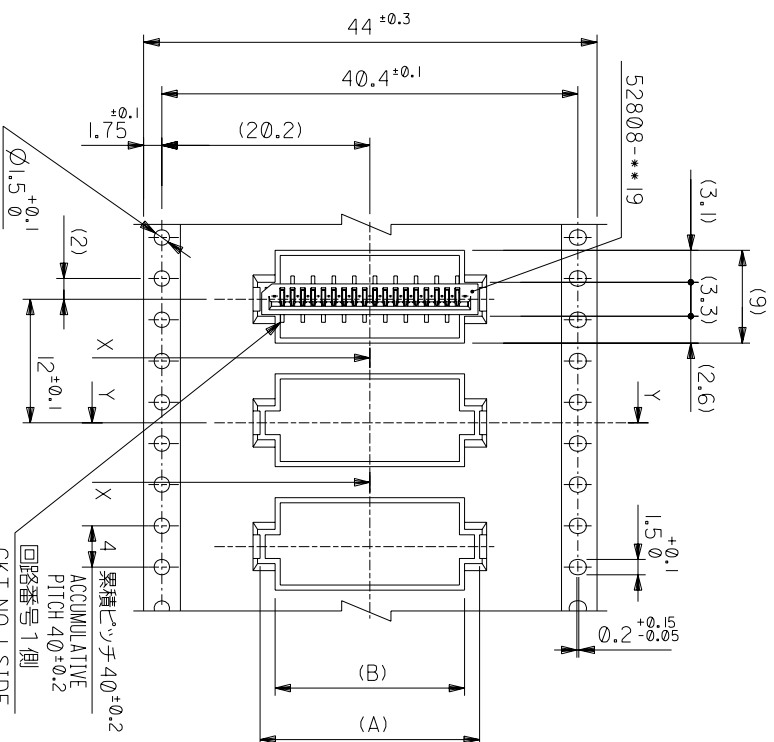
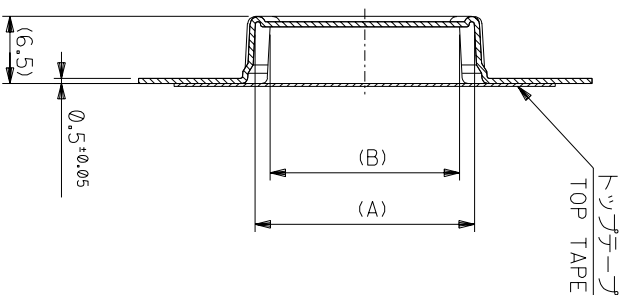
SECT:Y-Y



SECT:X-X
(SCALE:4-1)

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

52808-**-70		キャリアテープ幅 CARRIER TAPE WIDTH		C		(B)	(A)	MATERIAL NO.	種数 CKT.
32		33.5		15.4	18.3	52808-1570	15		
				14.4	17.3	52808-1470	14		
				13.4	16.3	52808-1370	13		
				12.4	15.3	52808-1270	12		
				11.4	14.3	52808-1170	11		
MATERIAL		SHEET 1 OF 6 参照						MOLEX-JAPAN CO.,LTD. molex 日本モリス株式会社	
		REFER TO SHEET 1 OF 6							
仕上げ FINISH		—#—						REVISE ONLY ON CAD SYSTEM	
適用電線範囲 WIRE RANGE		—#—						TITLE 名称	
絶縁外径 INS. RANGE								I.0 FFC Conn NON ZIF SMT ST Embstp Pkg -LEAD FREE-	
DRAWN BY 04/02/19		CHK'D BY 04/02/19						DWG. NO. (SHEET 4 OF 6) REV	
M.NABEI		M.SASAO						SD-52808-028	
APP'D BY 04/02/19		M.SASAO						0	
GENERAL TOLERANCES		L.T.R.		REVISION RECORD		DR-CHK.		DATE	
角度 ANGLE		30°							
30°以上		±0.2							
10°以下		±0.25							
10°以下		±0.2							
10°以下		±0.2							



SECT:X-X
(SCALE:4-1)

SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

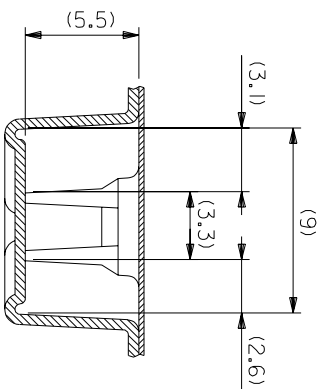
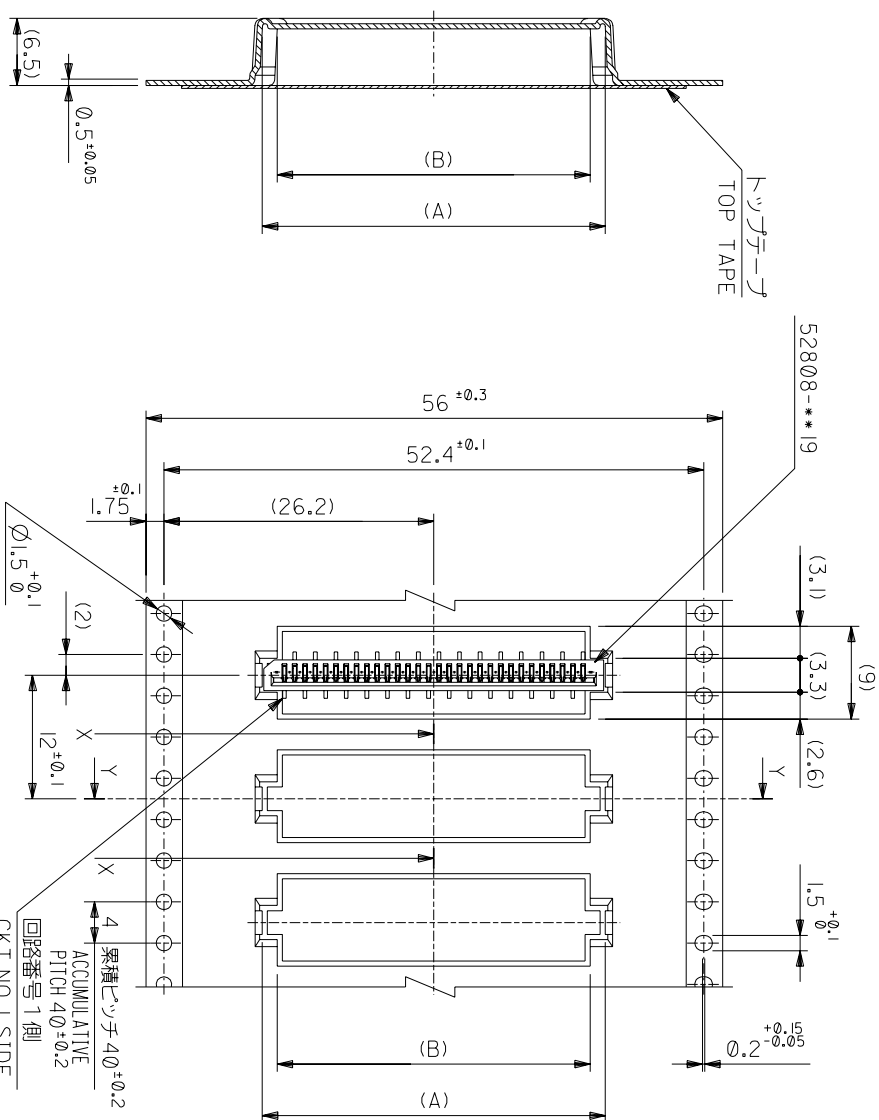
NO.1 SIDE

44mm 幅キヤリテージ
44mm WIDTH CARRIER TAPE

	C	(B)	(A)	MATERIAL NO.	層数 C/T
ACTIVE ± 0.2 $\phi \pm 0.2$ 1側		28.4	31.3	52808-2870	28
1 SIDE		27.4	30.3	52808-2770	27
		26.4	29.3	52808-2670	26
		25.4	28.3	52808-2570	25
		24.4	27.3	52808-2470	24
		23.4	26.3	52808-2370	23
		22.4	25.3	52808-2270	22
	44	21.4	24.3	52808-2170	21
	45.5	20.4	23.3	52808-2070	20
		19.4	22.3	52808-1970	19
		18.4	21.3	52808-1870	18
		17.4	20.3	52808-1770	17
52808- *70		16.4	19.3	52808-1670	16
MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH				

						材料 MATERIAL			SHEET 1 OF 6 参照			 MOLEX-JAPAN CO.,LTD. モレックス株式会社		
						REFER TO SHEET 1 OF 6								
						仕上げ FINISH			—#—			REVISE ONLY ON CAD SYSTEM		
						適用電線範囲 WIRE RANGE			—#—			TITLE 名称		
						被覆外径 INS. RANGE			—#—			I,Q FFC Conn NON ZIF SMT ST Embstd Pkg -LEAD FREE-		
						DRAWN BY M/M2/19 CHK'D BY M/M2/19 M/NABEI M.SASAO						DWG. NO. (SHEET 5 OF 6) REV.		
						APPRO'D BY M/M2/19 SCALE —#— M.SASAO						SD-52808-028 ①		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEKULAPLAN AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
 本図面は日本モルツナス（株）の所有する情報を含むもので当社の許可なく複製を禁止する。
 EN-01C0321MX-J-32



SECT:X-X
(SCALE:4-1)

SECT:Y-Y

56mm幅キヤリアテープ

56mm WIDTH CARRIER TAPE

	56	57.5	30.4	33.3	52808-3070	30
52808-**70			29.4	32.3	52808-2970	29
MODEL NO.	キヤリ子ノリ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	種数 CCT.

角度 ANGLE	30°	適用電線範圍 WIRE RANGE	—#—	1.0 STC Conn NON ZIF SMT ST Embstd Pkg -LEAD FREE- DWG. NO. (SHEET 6 OF 6) REV SD-52808-028 0
30 以上	0.3	被覆外径 INS. RANGE	—#—	
10 以上 30 UNDER	0.25	DRAWN BY 04/02/19 CHK'D BY 04/02/19 M.YABE M.SASAO		
10 UNDER	0.2	M.N 04/02/19 M.S		
GENERAL TOLERANCES	0	変更内容 REVISION RECORD		
一般公差	0	DR. DATE	尺度 1/8"	
記号	0	CHK. DATE	APP'D BY 04/02/19	
			M.SASAO	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEKULAPLAN AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
 本図面は日本モルツクス（株）の所有する情報を含むもので当社の許可なく複製を禁止する。
 EN-01C0321MXJ-32

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9