

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0528081470

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 14 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)

14

Circuits (maximum)

14

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

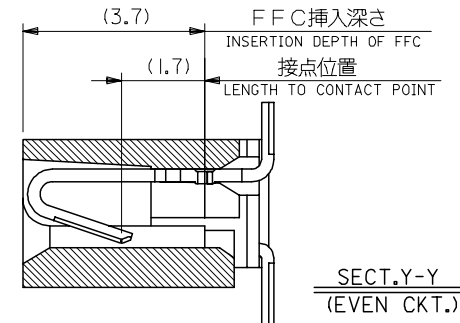
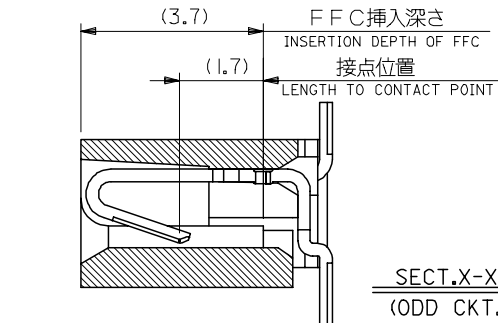
E

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.

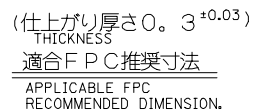
△偶数極に適用。

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

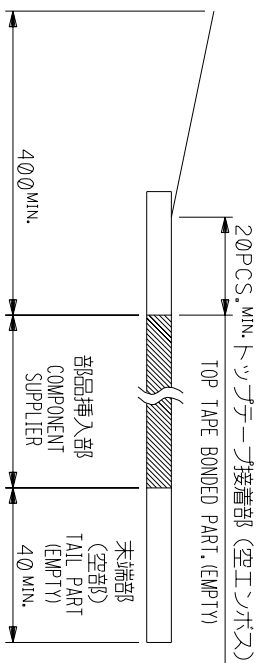
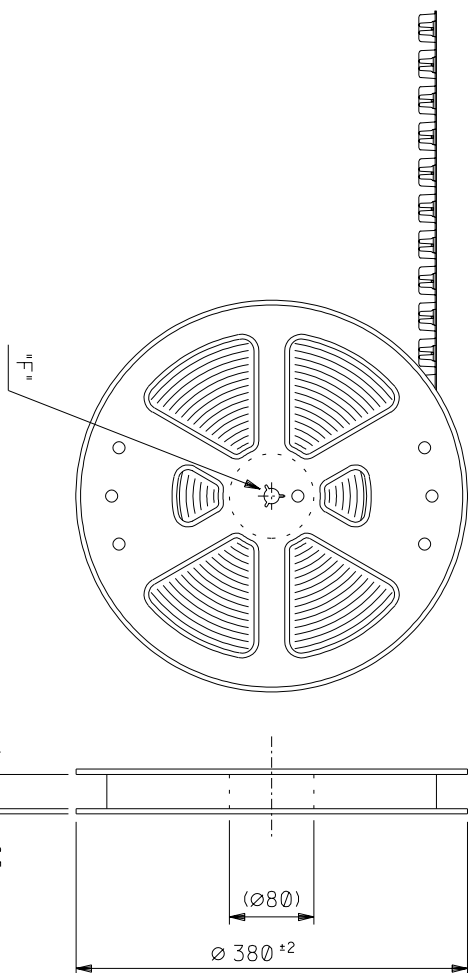
REVISED EC NO: J2006-1497 DRAWN: NABE1 CHKD: KTOYODA APPR: NUKITA A	DESCRIPTION 2005/11/04 2005/11/07 2005/11/11	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	DRAWN BY M. NABE1	DATE '04/02/19	TITLE 1.0 FFC CONN. 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		
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



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。

RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : TERMOSETTING BONDING AGENT

REVISED EC NO: J2006-1497 DRAWN: NABEI CHKD: K. TOYODA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. NABEI	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.		
	A	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52808-027		2 OF 2	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										



NOTES

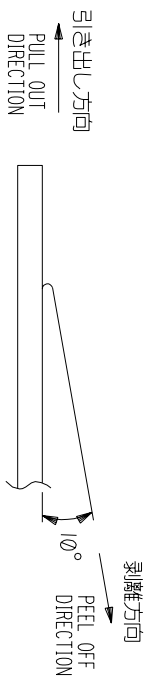
1. 製品詳細方法については図面 SD-52808-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-52808-027
2. 梱包数量: 10000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
3. リーダーテープ長さ LEAD TAPE LENGTH

4. トリプターズの剥離強度: 0.1 ~ 1.3N (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 ~ 1.3N (10 ~ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)

THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



5. 材料(MATERIAL)

キャリアテープ(CARRIER TAPE): ポリプロピレン(POLYPROPYLENE)

トッパテープ(TOPTAPE): PET, PE, PEF

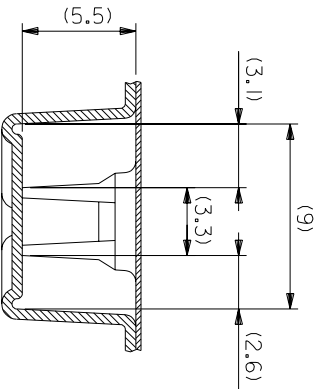
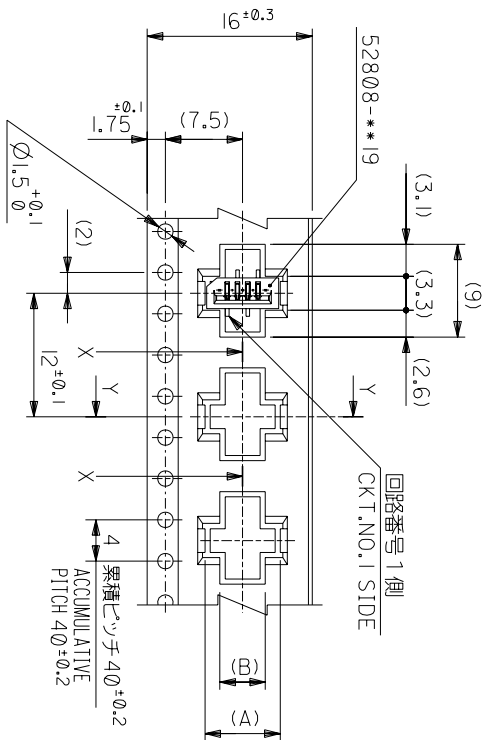
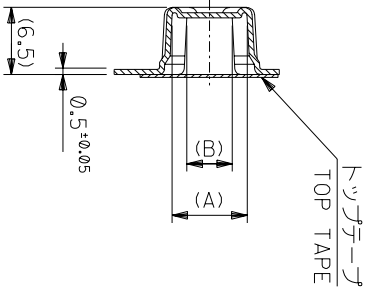
ポリスチレン (PS) <リサイクル材を含む>

POLYSTYRENE(PS) <RECYCLE MATERIAL CONTAINED>

6. 本製品は52808-＊＊90の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52808-＊＊90

52808-***70	
MODEL NO.	
MOLEX-JAPAN CO.,LTD. (モレックス) 日本モレックス株式会社 TITLE 名称 1.0 FFC Conn NON ZIF SMT ST Embstd Pkg -LEAD FREE- DWG. NO. (SHEET 1 OF 6) SD-52808-028 REV. 0	
材料 MATERIAL 注記参照 SEE NOTES 仕上り FINISH 適用電線範囲 WIRE RANGE 被覆外径 INS. RANGE	— # — — # — — # —
角度 ANGLE 30 以上 未満 10 以上 30 未満 10 未満 GENERAL TOLERANCES 記号 LTR 0 — 変更内容 REVISION RECORD (2004-2528) — Dr. 日付 DATE — M.N. M.S. 尺度 SCALE M.NABEL M.SASAO — # —	— 30° +0.3 +0.25 +0.2 — 新製作成 RELEASED (2004-2528) — DRAWN BY 04/02/9 CHKD BY 04/02/9 APPD BY 04/02/9 M.SASAO

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX/JAPAN AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
 本図面は日本モリス（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-01032MXJ-32



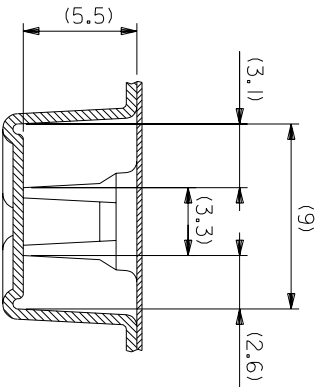
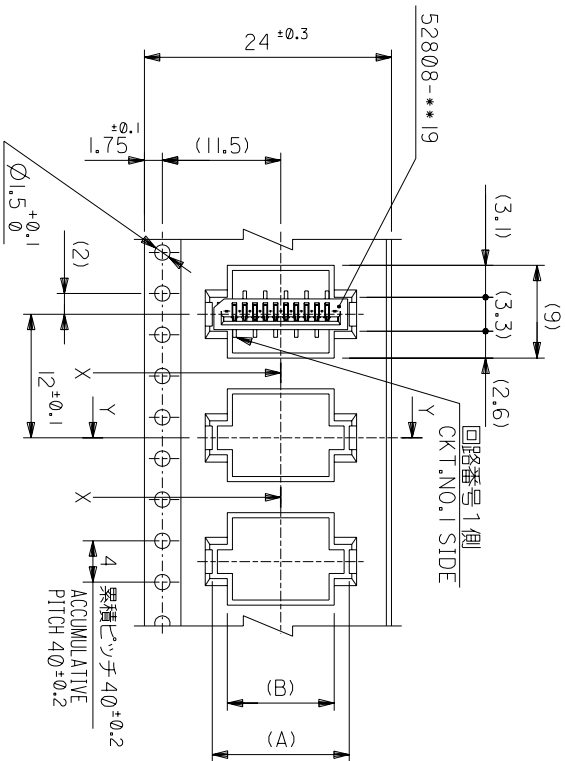
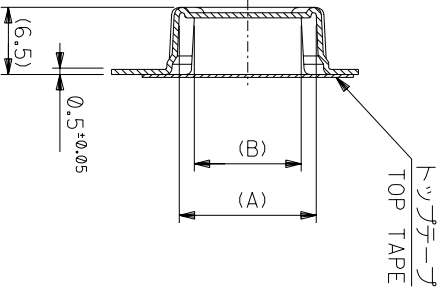
SECT:X-X
(SCALE:4-1)

SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

1 6mm幅キヤリテープ
16mm WIDTH CARRIER TAPE

52808-**-70		16		17.5	5.4	8.3	52808-0570	5
MODEL NO.		キヤリテープ幅 CARRIER TAPE WIDTH		C	(B)	(A)	MATERIAL NO.	極数 CKT.
		材料 MATERIAL		SHEET 1 OF 6 参照 REFER TO SHEET 1 OF 6				
		仕上げ FINISH		—#—				
		適用電線範囲 WIRE RANGE		—#—				
		絶縁外径 INS. RANGE		—#—				
		DRAWN BY 04/02/19 M.NABEI		CHK'D BY 04/02/19 M.SASAO	REVISE ONLY ON CAD SYSTEM			
		DWG. NO. SD-52808-028		(SHEET 2 OF 6)		REV		
GENERAL TOLERANCES		記号 LTR	変更内容 REVISION RECORD	DR- CHK.	日付 DATE			
角度 ANGLE	±3°							
30 OVER	±0.2							
10 OVER 30 UNDER	±0.25							
10 UNDER	±0.2							



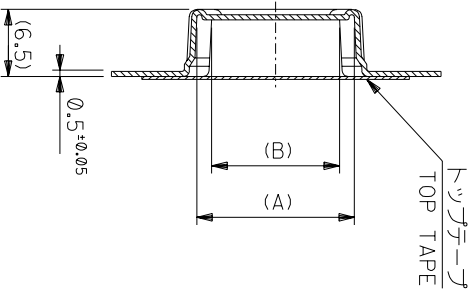
SECT:X-X
(SCALE:4-1)

SECT:Y-Y

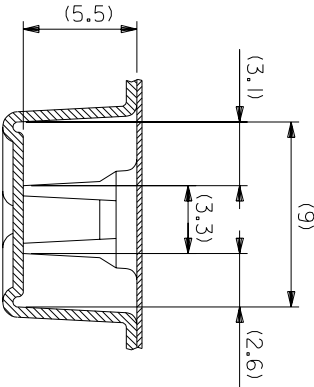
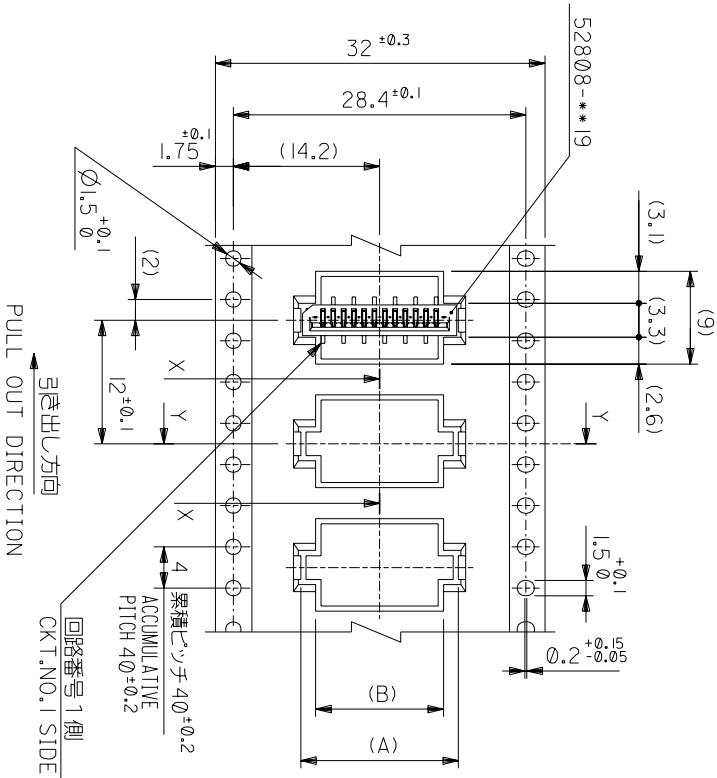
24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

引き出し方向
PULL OUT DIRECTION

52808-**-70		24		25.5		10.4	13.3	52808-1070	10
						9.4	12.3	52808-0970	9
						8.4	11.3	52808-0870	8
						7.4	10.3	52808-0770	7
						6.4	9.3	52808-0670	6
MODEL NO.		キャリアテープ幅 CARRIER TAPE WIDTH		C		(B)		(A)	
		材料 MATERIAL		SHEET 1 OF 6 参照 REFER TO SHEET 1 OF 6				MOLEX-JAPAN CO.,LTD. モレックス株式会社	
		仕上げ FINISH		—#—				REVISE ONLY ON CAD SYSTEM	
		適用電線範囲 WIRE RANGE		—#—				TITLE 名称 I.O FFC Conn NON ZIF SMT ST Embstd Pkg -LEAD FREE-	
		絶縁外径 INS. RANGE		—#—				DWG. NO. (SHEET 3 OF 6) REV	
		DRAWN BY 04/02/9		CHK'D BY 04/02/9				SD-52808-028	
		M.NABEI		M.SASAO				0	
		DATE		SCALE					
		DR. / CHK.		DATE					
		REVISION RECORD							
		記号		新規格作成 (12004-2528)					
		0		RELEASE					
		10 UNDER		30 UNDER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					
		30 OVER		10 OVER					



SECT:Y-Y



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

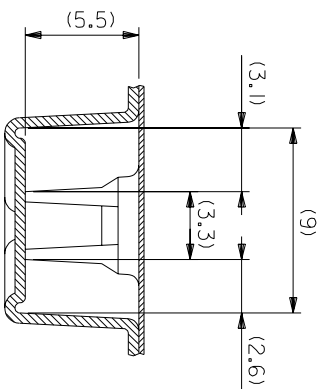
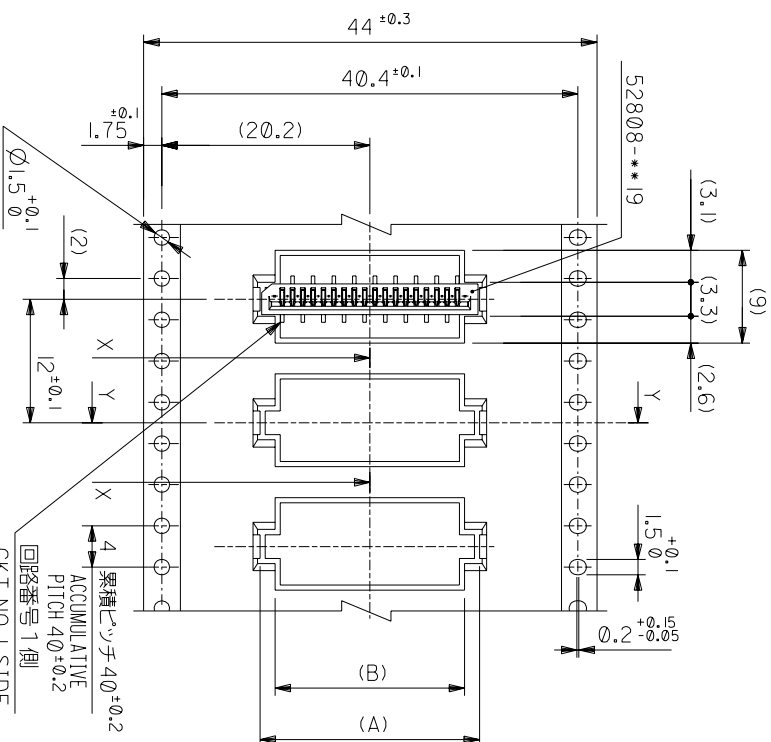
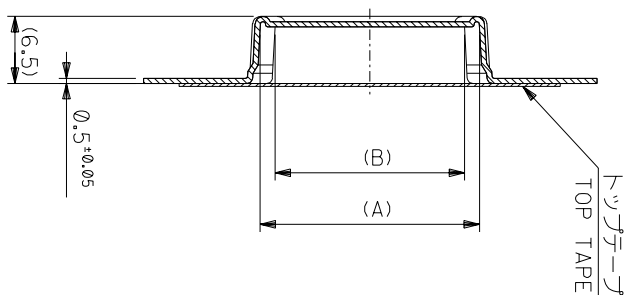
32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

MODEL NO.	CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	種数 CKT.
52808-**-70	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

材料 MATERIAL	SHEET 1 OF 6 参照 REFER TO SHEET 1 OF 6	MOLEX-JAPAN CO.,LTD. molex 日本モリス株式会社
仕上げ FINISH	—#—	REVISE ONLY ON CAD SYSTEM
適用電線範囲 WIRE RANGE	—#—	
絶縁外径 INS. RANGE		
DRAWN BY 04/02/19 M.NABEI	CHK'D BY 04/02/19 M.SASAO	DWG. NO. (SHEET 4 OF 6) REV SD-52808-028 0
記号 LTR	0	
新規作成 REVISION	(12004-2528)	
変更内容 REVISION RECORD		
DR-CHK.	DATE	
一般公差 GENERAL TOLERANCES		

角度 ANGLE	±3°
30以上 30 OVER	±0.2
10以上 10 OVER	±0.25
未注 UNNOTED	±0.2
10以下 10 UNDER	±0.2

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
本図面は日本モリス(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。



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

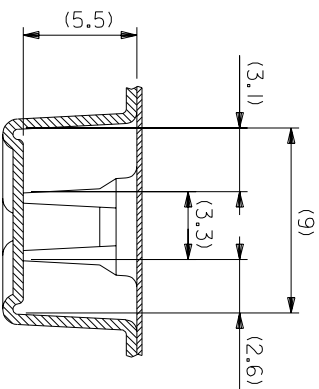
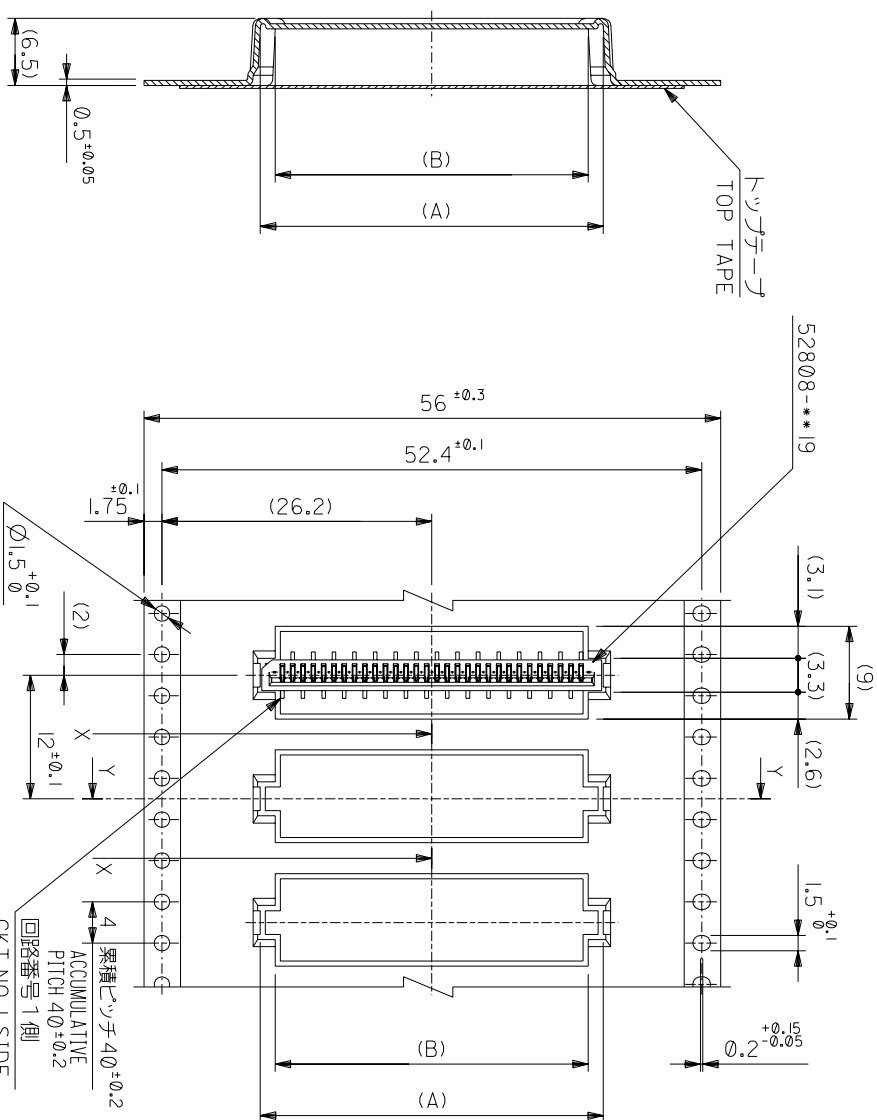
SECT:Y-Y

44mm幅キヤリヤテープ

ラテ 0±0.2 1側 SIDE	44	45.5	28.4	31.3	52808-2870	28
			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
			21.4	24.3	52808-2170	21
			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	C	(B)	(A)	MATERIAL NO.	極数 C/T.

[illegible]

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
 本図面は日本モリス(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-0(C)032MX-32



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

SECRET:Y-Y

56mm幅キヤリテータ

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.	キヤリテ-テープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 Ckt.

角度 ANGLE	3°	適用電線範圍 WIRE RANGE	—#—	TITLE 名稱 I.Ø FFC Conn NON ZIF SMT ST Embstd Pkg -LEAD FREE-
30 以上 30 OVER	10.0	被覆外径 INS. RANGE	—#—	
10 以上 30 以下 10 OVER 30 UNDER	5.0/25	DRAWN BY 04/02/19 M.(NAME)	CHK.D. BY 04/02/19 M.(NAME)	
10 以下 10 UNDER	0.2	M.N	M.S	
GENERAL TOLERANCES	0	新製/作成 (12/004-2520) REPLD	變更內容 REVISION RECORD	
一般公差 LTR	DR.	DATE	SCALE	DWG. NO. (SHEET 6 OF 6)
	CHK.	DATE	SCALE	REV
		APP'D BY 04/02/19 M.(NAME)	尺度 —#—	SD-52808-028
				0

引き出し方向
PULL OUT DIRECTION

4 累積ピッチ 40 $\pm$ 0.2
ACCUMULATIVE
PITCH 40 $\pm$ 0.2
回路番号 1 側
CKT.NO.1 SIDE

MOLEX-JAPAN CO.,LTD.
日本モレックス株式会社
(molex)

TITLE 名称

1.0 FFC Conn NON ZIF
SMT ST Embstp Pkg
-LEAD FREE-

DWG. NO.	(SHEET 6 OF 6)	RE
SD-52808-028		0

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
 本図面は日本モレックス(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-01(C)0320MXJ-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