

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0528080670

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 6 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.

Agency Certification

UL

E29179

General

Product Family

Series

Overview

Product Name

FFC/FPC Connectors

52808

ffc_fpc_smt

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Contact Position

Durability (mating cycles max)

Entry Angle

Flammability

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

Wire/Cable Type

6

6

Natural

N/A

10

N/A

94V-0

0.199 In

5.05 mm

Phosphor Bronze

Tin-Bismuth

Tin-Bismuth

High Temperature Thermoplastic

1

Vertical

No

None

Embossed Tape on Reel

0.039 In

1.00 mm

0.039 In

1.00 mm

40

1

40

1

No

No

Yes

-20°C to +80°C

Surface Mount

FFC/FPC

Electrical

Current - Maximum per Contact

Voltage - Maximum

0.5A

125V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification

SPK-52808-001

Search Parts in this Series

52808Series

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

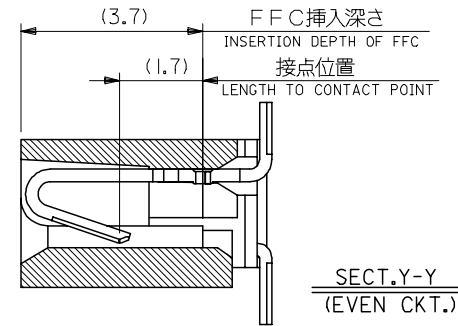
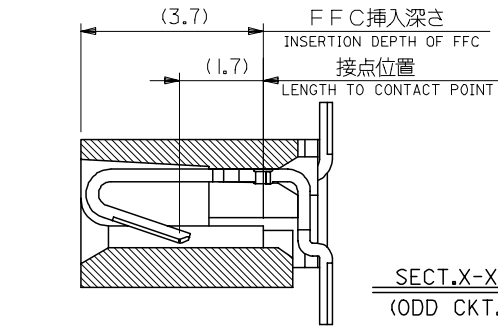
E

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

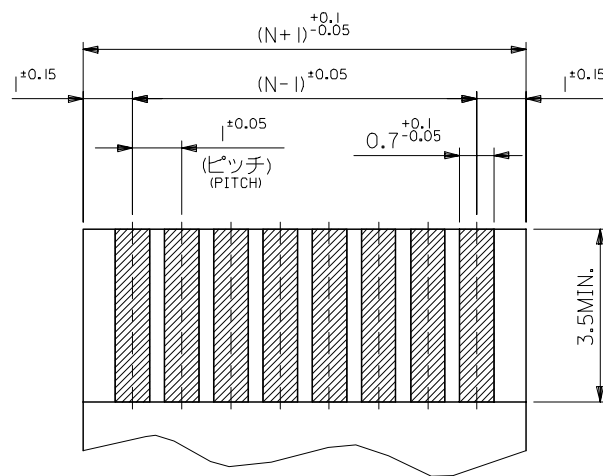
△基準面 [E] からのソルダーテールの半田付け面のズレ量は、上方向に0.1MAX. 下方向0.15MAX. とする。

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.

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。

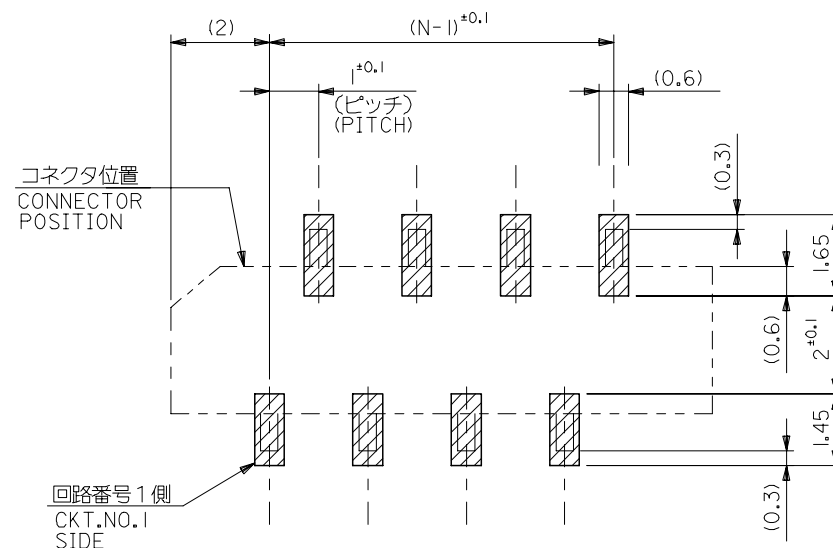
補強フィルム材質は、ポリイミドを推奨いたします。

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 BOAD SIDE.

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

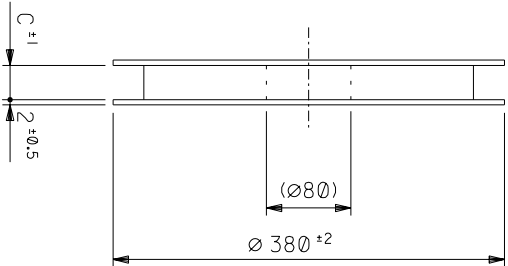
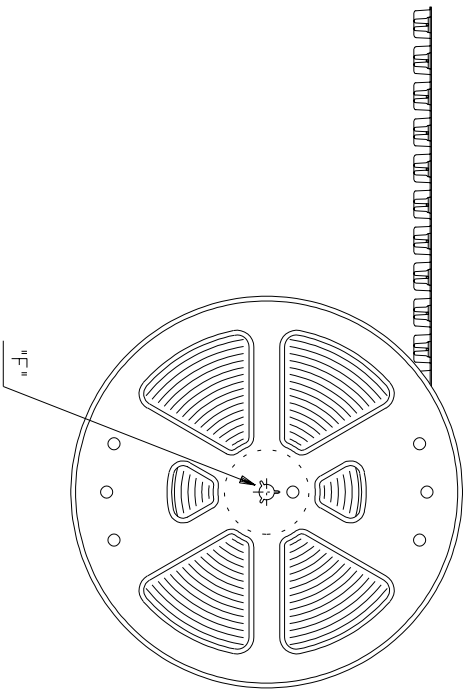


参考基板レイアウト（マウント面）

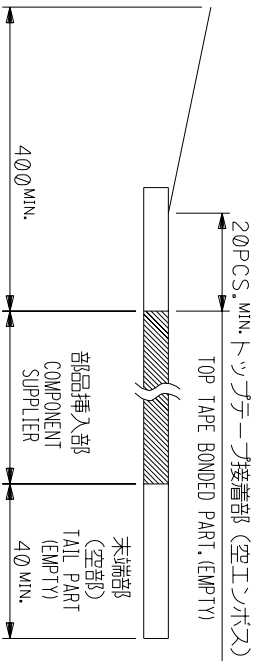
RECOMMENDED P.C.BOARD
PATTERN DIMENSION.(REF.)
(MOUNTING AREA)

REVISED EC NO: J2006-1497 DWG: NABE1 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	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	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		
	REV	A	SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

引き出し方向
PULL OUT
DIRECTION



引き出し方向
PULL OUT
DIRECTION

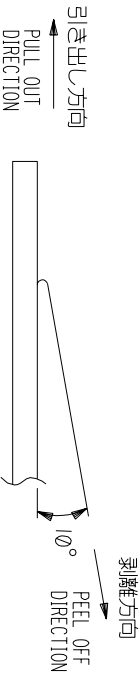


NOTES

- 製品詳細寸法については図面 SD-52808-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-52808-027
- 梱包数量: 1000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
- リートテープ長さ LEAD TAPE LENGTH

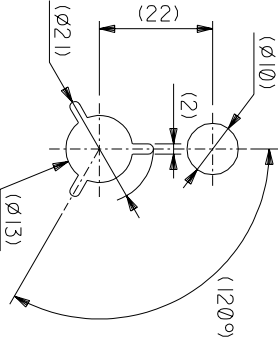
4. トッパテープの剥離強度: 0.1 ~ 1.3N (10 ~ 130gf)

(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.



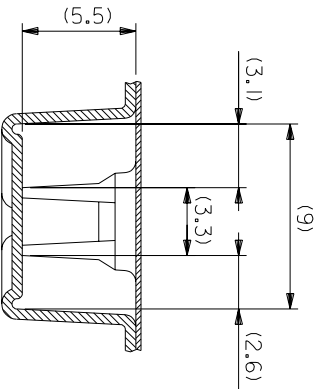
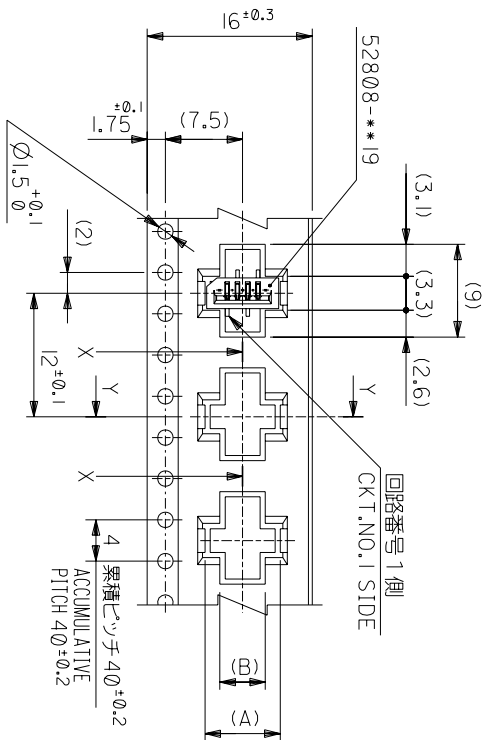
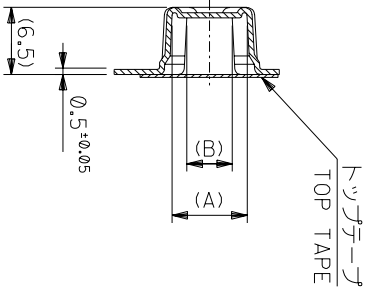
- 材料(MATERIAL)
キャリアテープ(CARRIER TAPE): ポリプロピレン(POLYPROPYLENE)
トッパテープ(TOPTAPE): PET, PE, PEF
リール(REEL): ポリスチレン(PS) <リサイクル材を含む>
POLYSTYREN(PS) RECYCLE MATERIAL CONTAINED>
- 本製品は52808-**-90の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52808-**-90

DETAIL "F"



角度	ANGLE	±3°
30°以上		±0.3
10°以下		±0.25
10°以下		±0.2

材料	注記参照	材料	注記参照
MATERIAL	SEE NOTES	MATERIAL	SEE NOTES
仕上げ	FINISH	仕上げ	FINISH
適用電線範囲	—#—	適用電線範囲	—#—
密着外径	—#—	密着外径	—#—
INS. RANGE	—#—	INS. RANGE	—#—
DRAWN BY	W/M/2/9	CHK'D BY	W/M/2/9
APP'D BY	M/NABEI	SCALE	M/SASAO
REVISION	RECORD	DR. CHK.	DATE
0	0	0	0



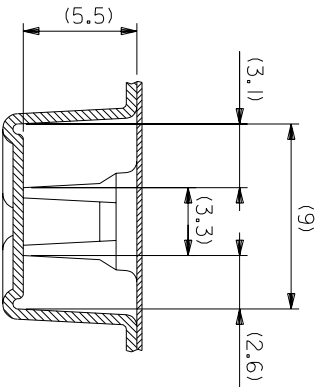
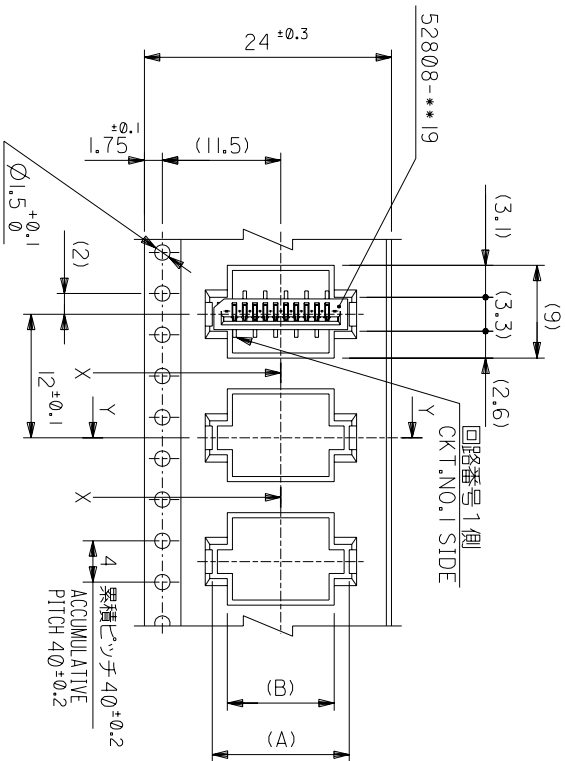
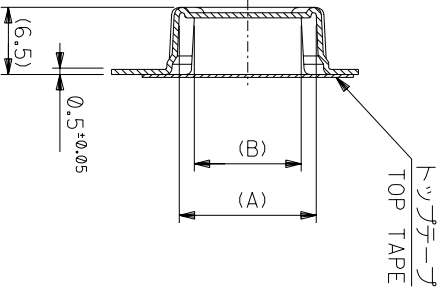
SECT:X-X
(SCALE:4-1)

SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

52808-**-70		16		17.5	5.4	8.3	52808-0570	5
MODEL NO.		キャリアテープ幅 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		MOLEX-JAPAN CO.,LTD. モレックス 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		—#—		TITLE 名称 I.O FFC Conn NON ZIF		
		被覆外径 INS. RANGE		—#—		SMT ST Embstd PKG		
		DRAWN BY 04/02/19 M.NABEI		CHK'D BY 04/02/19 M.SASAO		DWG. NO. (SHEET 2 OF 6) REV		
		記号 0 新規作成 RELEASED		変更内容 (12004-2528)		SD-52808-028		
GENERAL TOLERANCES		角 度 ANGLE		±3°				
		30 OVER		±0.2				
		10 OVER 30 UNDER		±0.25				
		10 UNDER		±0.2				



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

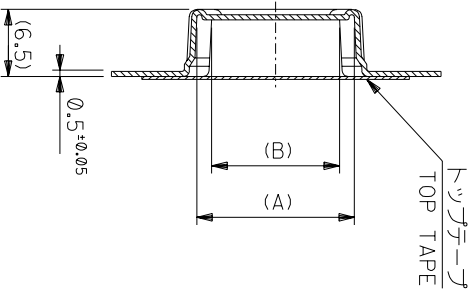
SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

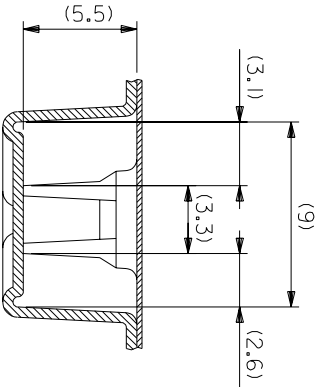
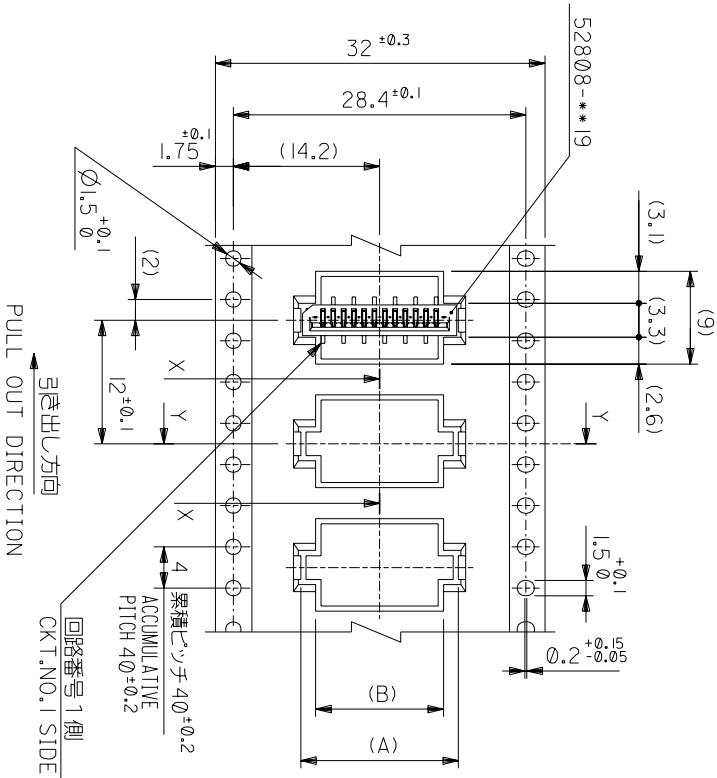
24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

52808-**-70	MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	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
								極数 CKT.

材料	SHEET 1 OF 6 参照	MOLEX-JAPAN CO.,LTD.
MATERIAL	REFER TO SHEET 1 OF 6	molex 日本モリス株式会社
仕上げ	—#—	REVISE ONLY ON CAD SYSTEM
FINISH		
適用電線範囲	—#—	TITLE 名称
WIRE RANGE		I.O FFC Conn NON ZIF
密着外径	—#—	SMT ST Embstd Pkg
INS. RANGE		-LEAD FREE-
DRAWN BY 04/02/9	CHK'D BY 04/02/9	DWG. NO.
M.NABEI	M.SASAO	(SHEET 3 OF 6)
APP'D BY 04/02/9	SCALE —#—	REV
M.SASAO		0
記号	新規格作成 (12004-2528)	
0	REFLSD	
一般公差	変更内容	
GENERAL TOLERANCES	REVISION RECORD	
LT/R	DR-CHK.	DATE



SECT:Y-Y



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

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

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
MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 CKT.

材料 MATERIAL SHEET 10F 6 参照
REFER TO SHEET 10F 6

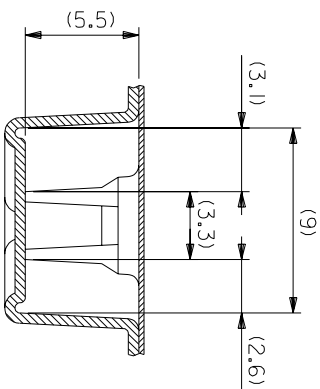
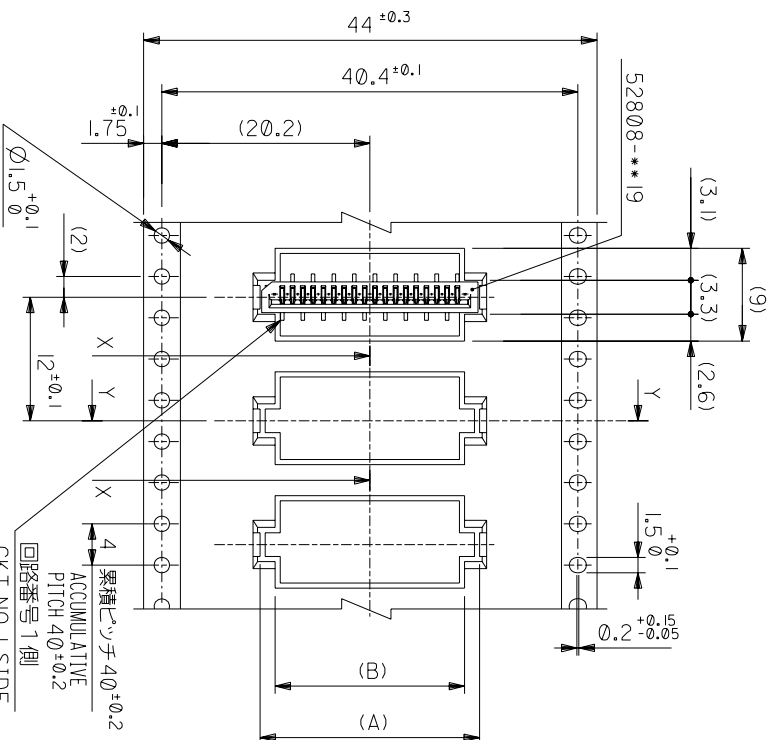
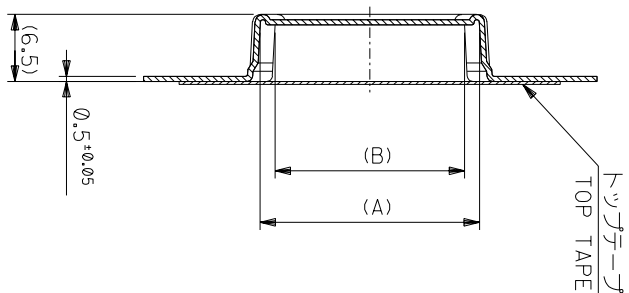
仕上げ FINISH —#—
適用電線範囲 WIRE RANGE —#—
絶縁外径 INS. RANGE

DRAWN BY 04/02/19 CHK'D BY 04/02/19
M.NABEI M.SASAO
APP'D BY 04/02/19 SCALE —#—
M.SASAO

角度 ANGLE	±3°
30°以上	±0.2
10°以下	±0.25
10°以下	±0.2
10°以下	±0.2

一般公差 GENERAL TOLERANCES

記号 LTR	変更内容	DR-CHK.	DATE
0	新規作成 (12004-2528)	M.N.S	04/02/19
	変更内容	M.SASAO	



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

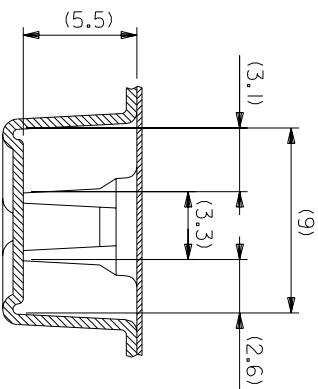
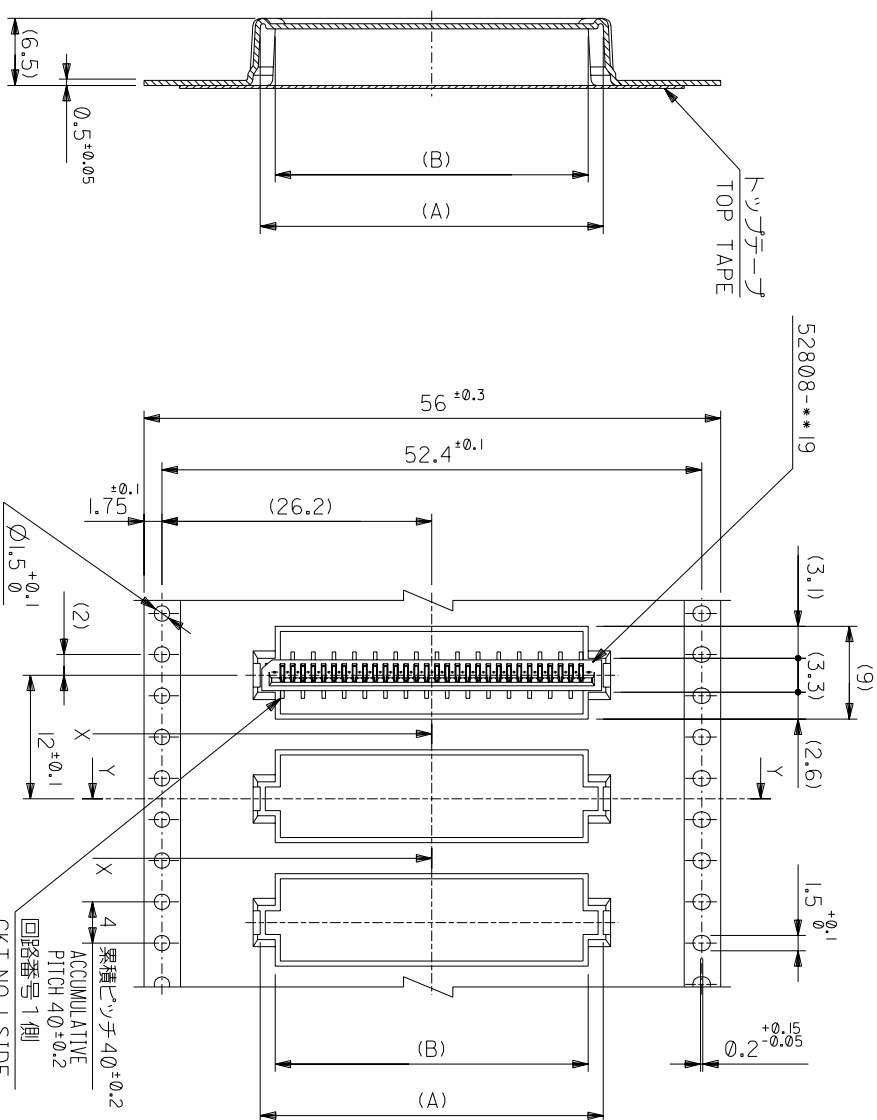
SECT:Y-Y

44mm幅キヤリテージ

[illegible]

 MOLEX-JAPAN CO.,LTD. モレックス株式会社		REVISION ONLY ON CAD SYSTEM		TITLE 名称	
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 被覆外径 INS. RANGE DRAWN BY 04/02/19 M.NABEI CHK'D BY 04/02/19 M.SASAO		DWG. NO. (SHEET 5 OF 6) SD-52808-028	
角度 ANGLE 30 以上 未満 0.3° 10 以上 30 UNDER 0.25 10 未満 0.2 GENERAL TOLERANCES		記号 LTR 変更内容 REVISION RECORD DR. CHK. DATE APPROD BY 04/02/19 M.SASAO 尺度 SCALE — / —		REV 0	

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 EN-01C032MXJ-



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

SECT:Y-Y

56mm幅キヤリャタープ

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.	キャリアテープ幅 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	10.25			
10 以下 10 UNDER	10.2	DRAWN BY 04/02/19 M. YANBEI	CHK'D BY 04/02/19 M. SASAO	
GENERAL TOLERANCES	0	新製/作成 (12/004-2520) REPLAID		
一般公差 DIMENSIONS	0	變更內容 REVISION RECORD	DATE 04/02/19	DWG. NO. (SHEET 6 OF 6) REV SD-52808-028 0
		DR. / CHK.	APP'D BY 04/02/19 M. SASAO	

引き出し方向
PULL OUT DIRECTION

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

MATERIAL SHEET 1 OF 6 参照
REFER TO SHEET 1 OF 6

MOLEX-JAPAN CO.,LTD.
日本モレックス株式会社

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

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 EN-01C0321MXJ-32