

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0528080470

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 4 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

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

4

4

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

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

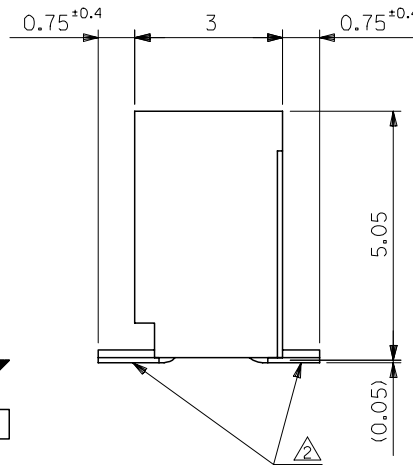
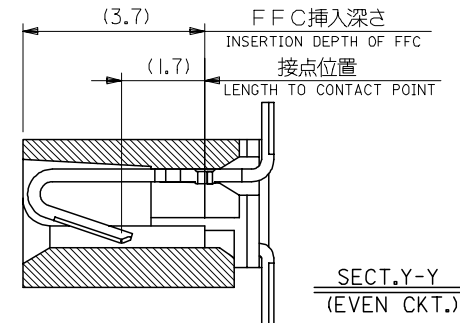
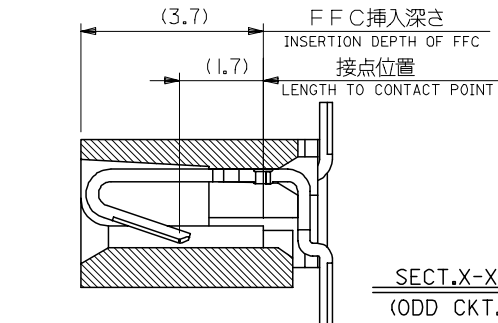
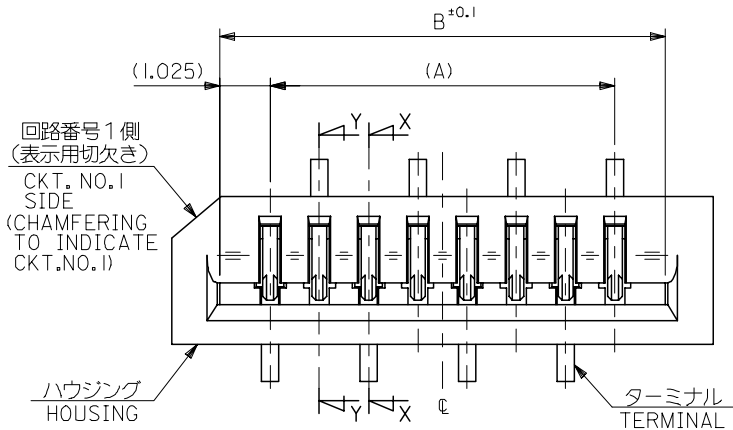
E

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

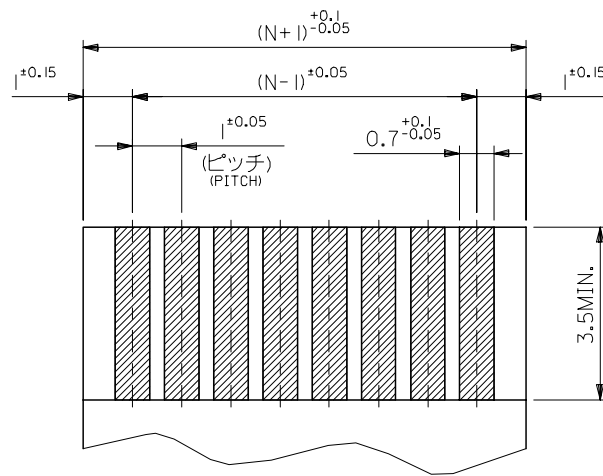
△基準面 [E] からのソルダーテールの半田付け面のズレ量は、上方向に0.1MAX. 下方向0.15MAX. とする。

MISALIGNMENT OF SOLDER TAIL FROM [E]: UPPER DIRECTION 0.1 MAX., LOWER DIRECTION 0.15 MAX.

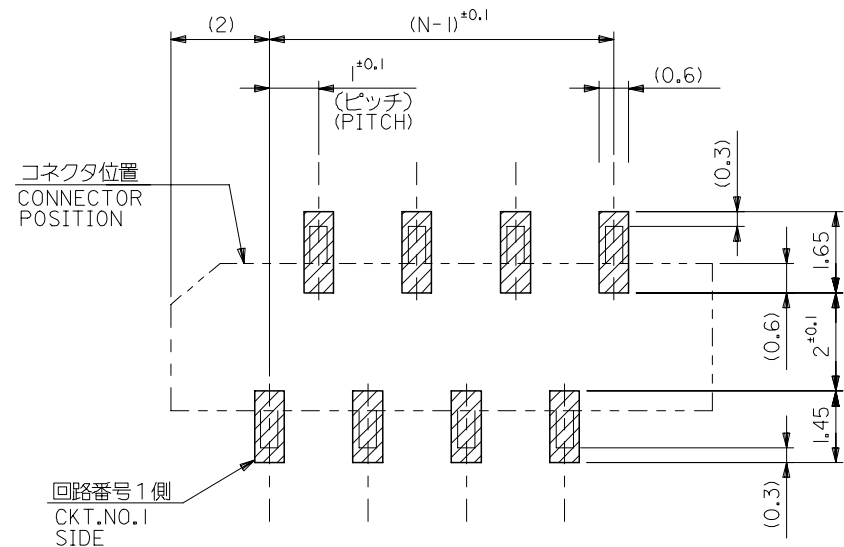
△偶数極に適用。
APPLY FOR EVEN CKT.

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.

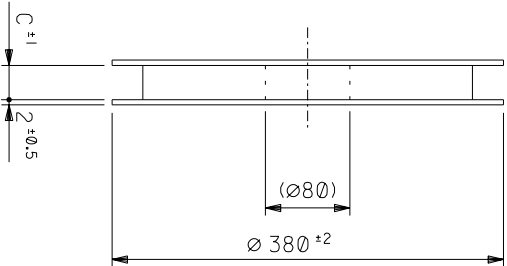
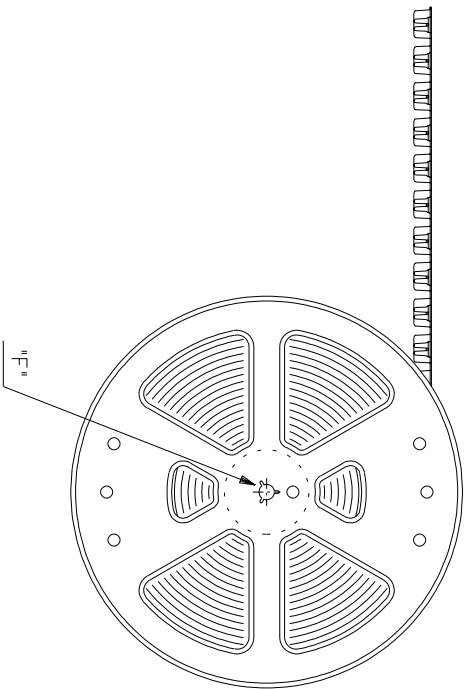
RECOMMENDED MATERIAL:

STIFFENER FILM: POLYIMIDE

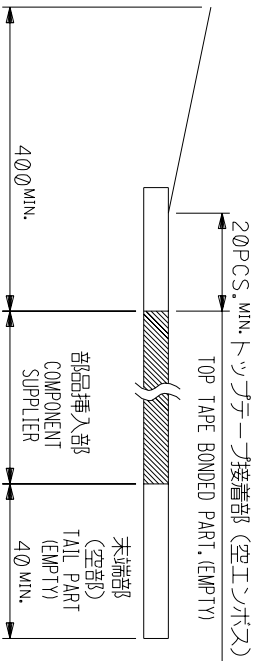
BONDING AGENT: THERMOSETTING BONDING AGENT

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						

引き出し方向
PULL OUT
DIRECTION



引き出し方向
PULL OUT
DIRECTION

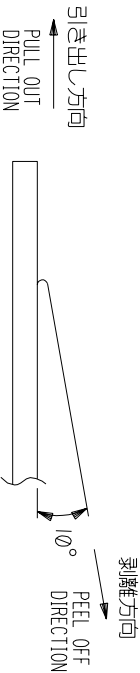


NOTES

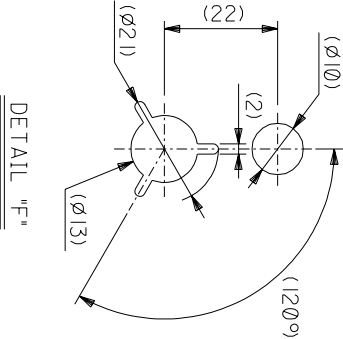
- 製品詳細寸法については図面 SD-52808-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-52808-027
- 梱包数量: 1000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
- リールテープ長さ LEAD TAPE LENGTH
20PCS. MIN. リールテープ接着部 (空エンボス)

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
30以上	±3°
10以下	±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	新規作成	0	新規作成
1	変更内容	1	変更内容
2	12004-25280	2	12004-25280
3	12004-25280	3	12004-25280
4	12004-25280	4	12004-25280

MOLEX-JAPAN CO.,LTD.
日本モリス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称

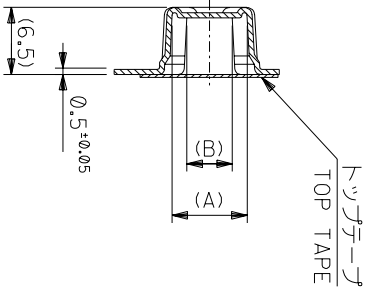
1.0 FFC Conn NON ZIF

SMT ST Embstd Pkg

-LEAD FREE-

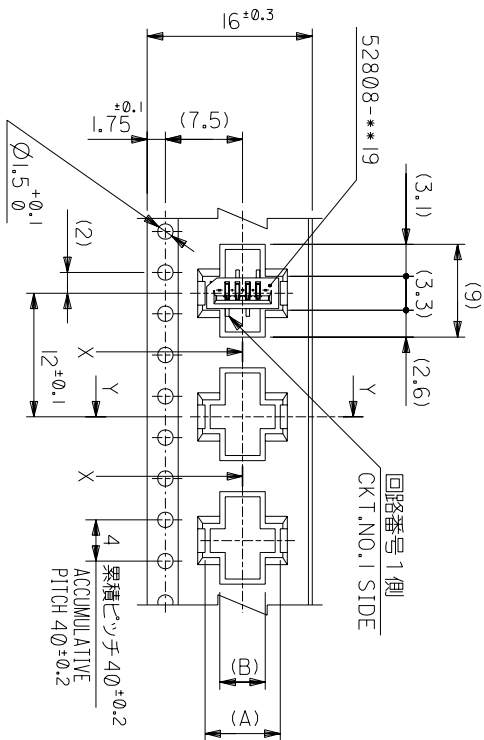
DWG. NO. SD-52808-028

(SHEET 1 OF 6) REV 0

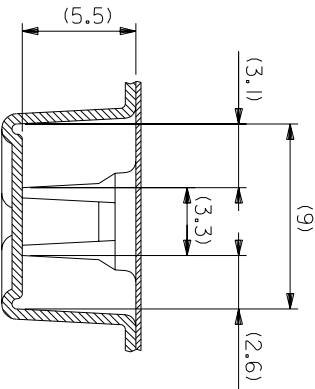


SECTION-Y-Y

16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

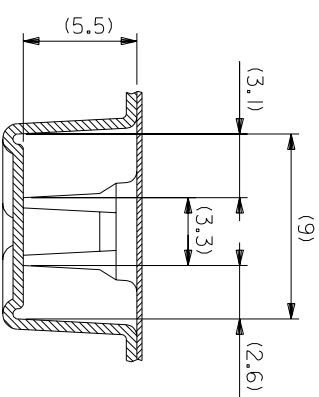
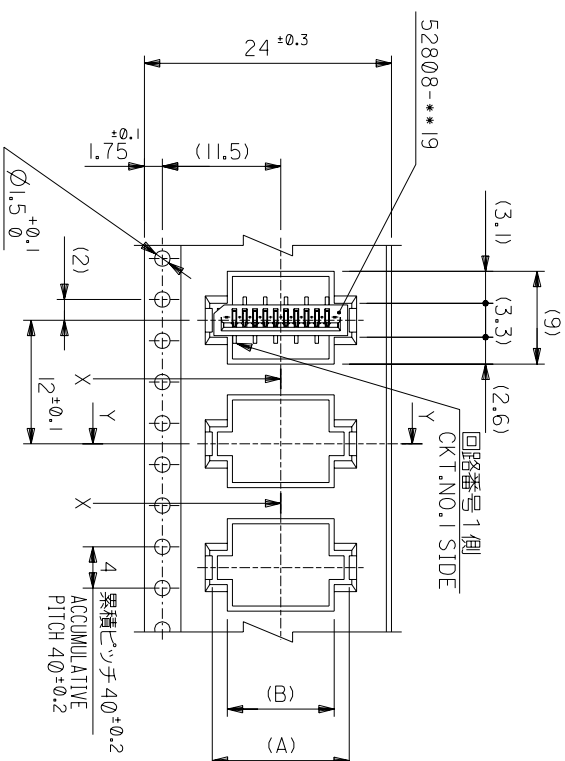
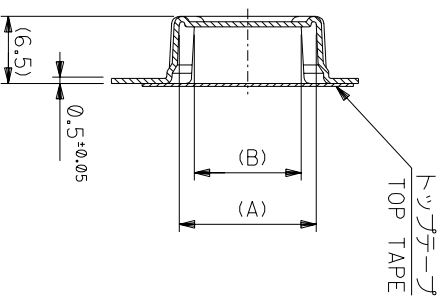


引き出し方向
PULL OUT DIRECTION



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

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		
		積層外径 INS. RANGE		—#—		SMT ST Embstd PKG -LEAD FREE-		
		DRAWN BY 04/02/19 M.NABEI		CHK'D BY 04/02/19 M.SASAO		DWG. NO. (SHEET 2 OF 6) REV		
		記号 LTR		0		SD-52808-028		
		REVISION RECORD		DR- CHK.		DATE		
		角 ANGLE		±3°				
		30 OVER		±0.25				
		10 OVER 30 UNDER		±0.25				
		10 UNDER		±0.2				
		一般公差 GENERAL TOLERANCES		0				



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

SECT:Y-Y

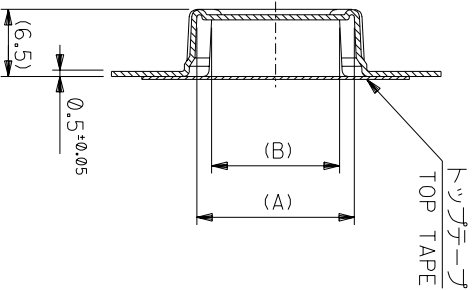
引き出し方向
PULL OUT DIRECTION

24mm幅キリテープ

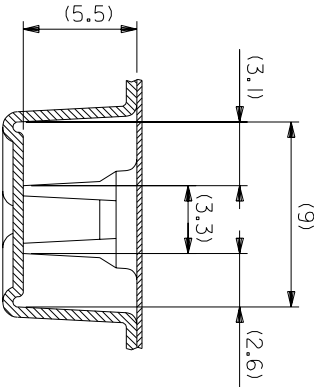
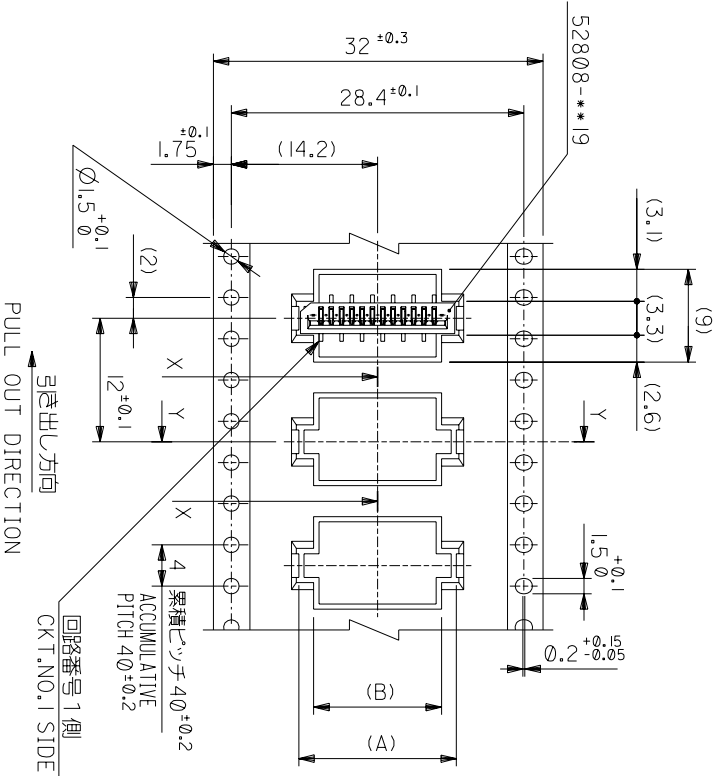
MODEL NO.	52808-70	24	25.5	10.4	13.3	52808-1070	10
				9.4	12.3	52808-0970	9
				8.4	11.3	52808-0870	8
				7.4	10.3	52808-0770	7
CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.			
MODEL NO.	52808-70			6.4	9.3	52808-0670	6

材料 MATERIAL SHEET 1 OF 6 参照		 MOLEX-JAPAN CO.,LTD. 日本モリス株式会社
REFER TO SHEET 1 OF 6		
仕上り FINISH	—	REVISE ONLY ON CAD SYSTEM TITLE 名称 I,0 FFC Conn NON ZIF SMT ST Embstd Pkg -LEAD FREE-
適用電線範囲 WIRE RANGE	—	
被覆外径 INS. RANGE	—	
DRAIN BY 04/02/19	CHK'D BY 04/02/19	
M,N,N,B,E I	M,N,N,B,E I	
APD BY 04/02/19	尺度 SCALE	
M,S,S,A,O	—	
DWG. NO. (SHEET 3 OF 6)		REV
SD-52808-028		0

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 EN-01C10321MXJ-32



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 10F 6 参照
REFER TO SHEET 10F 6

仕上げ
FINISH —#—

適用電線範囲
WIRE RANGE —#—

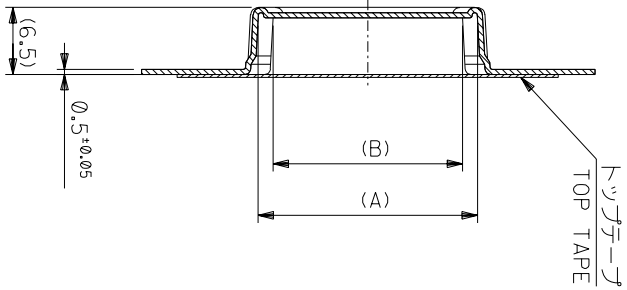
絶縁外径
INS. RANGE

DRAWN BY 04/02/19 CHK'D BY 04/02/19
M.NABEI M.SASAO

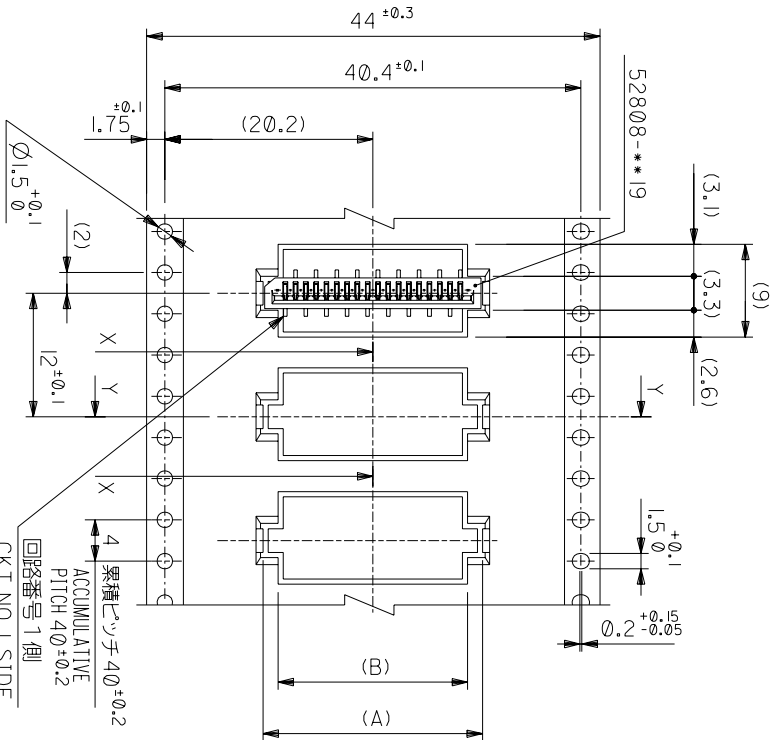
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(JAPAN) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
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角度 ANGLE	30°以上 30° OVER	未達 10° UNDER	30° UNDER	未達 10° UNDER
公差 TOLERANCES	±3°	±0.2	±0.2	±0.2
記号 LTR	0	0	0	0
REVISION RECORD	新規格作成 (12004-2528)	変更内容	DR-CHK.	DATE

REVISE ONLY ON CAD SYSTEM
TITLE 名称
I.O. FFC Conn NON ZIF
SMT ST Embstp Pkg
-LEAD FREE-
DWG. NO. (SHEET 4 OF 6) REV
SD-52808-028 0

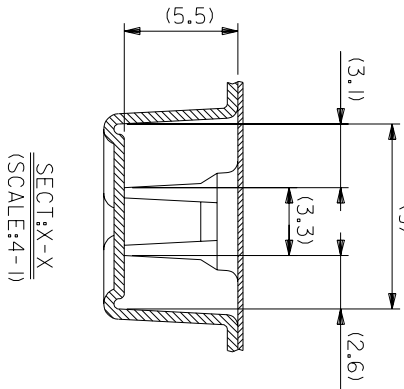


SECT:Y-Y



PULL OUT DIRECTION
引き出し方向

4
累積ピッチ 40±0.2
ACUMULATIVE
PITCH 40±0.2
回路番号 1側
Ckt.NO.1 SIDE



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

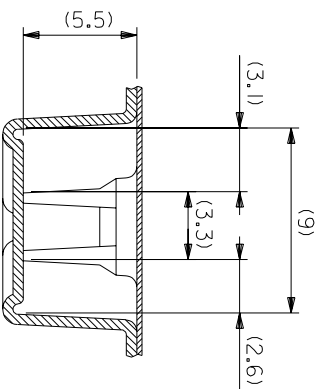
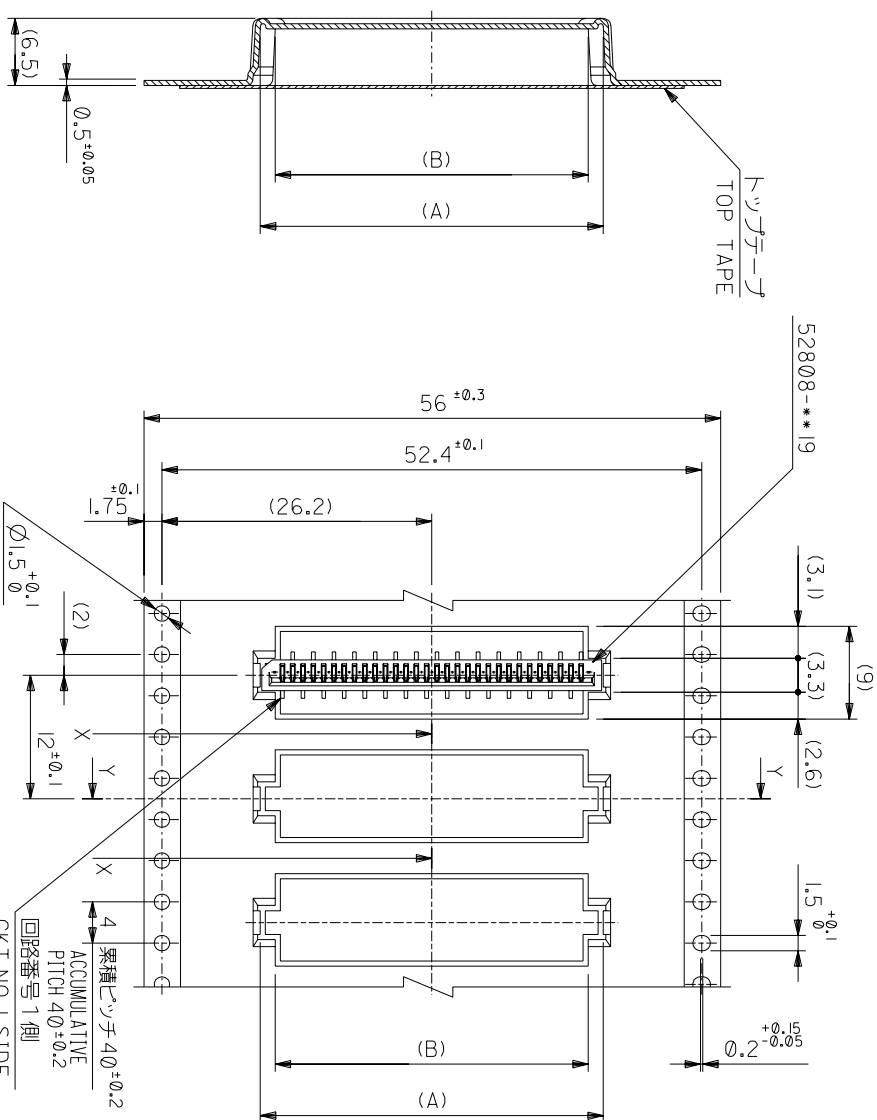
44mm幅キヤリタテープ
44mm WIDTH CARRIER TAPE

角度	ANGLE
30°以上	30°
10°以下	10°
10°以下	10°
10°以下	10°
10°以下	10°

記号	記号	記号	記号	記号	記号
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

材料	材料	材料	材料	材料	材料
52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70
52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70
52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70
52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70

材料	材料	材料	材料	材料	材料
52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70
52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70
52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70
52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70	52808-**-70



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

SECRET:Y-Y

56mm幅キヤリャタープ

56mm WIDTH CARRIER TAPE

MODEL NO.	56	57.5	30.4	33.3	52808-3070	30
52808-**70			29.4	32.3	52808-2970	29
キヤリテージ幅 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-	DWG. NO. (SHEET 6 OF 6) SD-52808-028	REV Ø
30 以上 30 OVER	±0.3		被覆外径 INS. RANGE	—#—			
10 以上 30 UNDER 10 OVER 30 X23	±0.3		DRAWN BY 04/02/9 M.(NAME)	CHK'D BY 04/02/9 M.(NAME)			
10 UNDER 10 UNDER ±0.2	±0.2	M.N.	M.S	04/02/9			
一般公差 GENERAL TOLERANCES	Ø	新製/作成 (12004-2520) REPLAID	變更內容 REVISION RECORD	DATE			
LTR	DR.	CHK.	日付	APP'D BY 04/02/9 M.(NAME)			

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

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)	REV
SD-52808-028		0

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