

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0528080870

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 8 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

8

8

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

Sales Drawing

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

This document was generated on 06/05/2010

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F

E

D

C

B

A

F

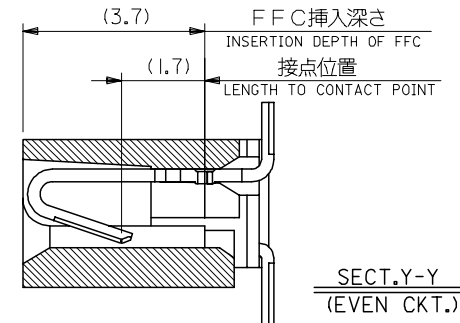
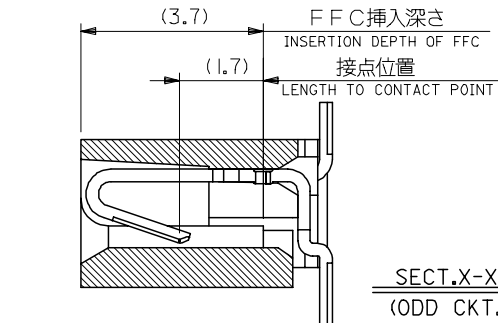
E

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: ニッケル下地鍍ピスマスメッキ

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.

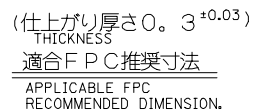
△偶数極に適用。

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

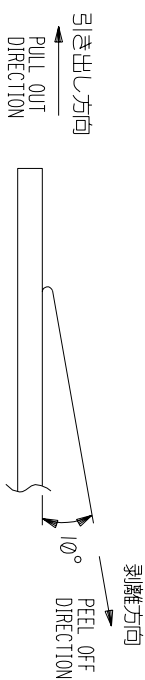
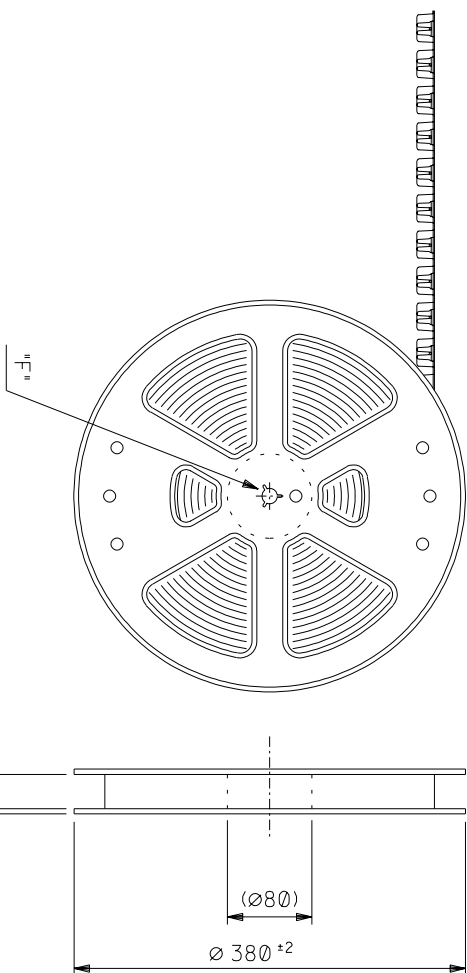
REVISED EC NO: J2006-1497 DRWN: NABE1 CHKD: TOYODA APPR: NUKITA	DESCRIPTION 2005/11/04 2005/11/07 2005/11/11	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY M. NABE1	DATE '04/02/19	TITLE 1.0 FFC CONN. NON 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							



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 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							

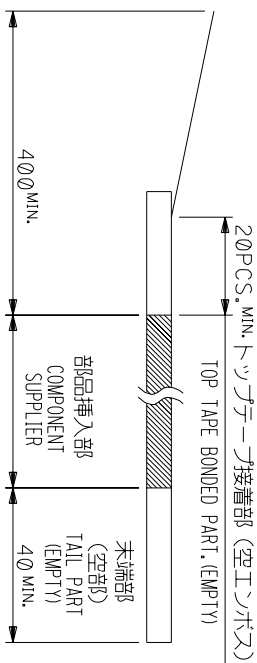


4. トッパテの剥離強度: 0.1 ~ 1.3N (10 ~ 130gf)
(剥離方向は下図参照)

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。)

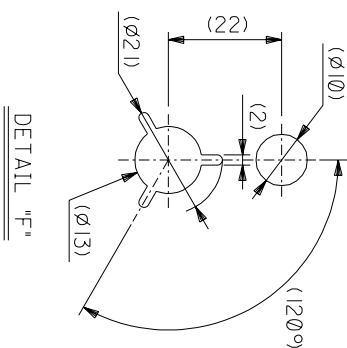
PEELING OFF FORCE OF TOP TAPE : 0.1 ~ 1.3N (10 ~ 130gf)
(PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)

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



NOTES

1. 製品詳細方法については図面 SD-558008-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-528008-027
2. 梱包数量: 10000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH



角度	ANGLE	=30
30 以上		=0
10 以上	30 未満	=0
10 未満		=0
一般公差		
GENERAL TOLERANCES		

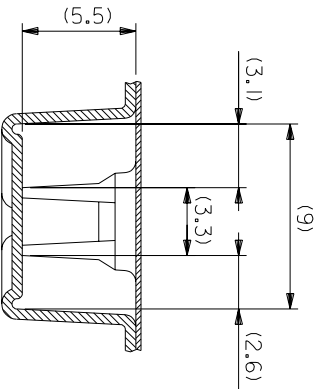
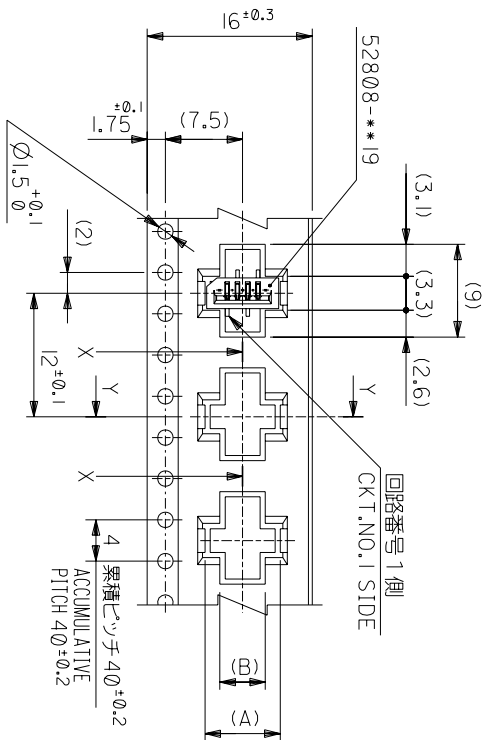
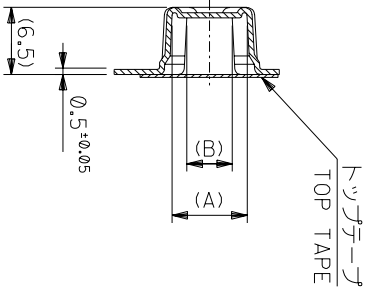
[illegible]

52808-**-70
MODEL NO.

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(PS) <リサイクル材を含む>
 ポリステレン(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

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 EN-01C(032)MXJ-32

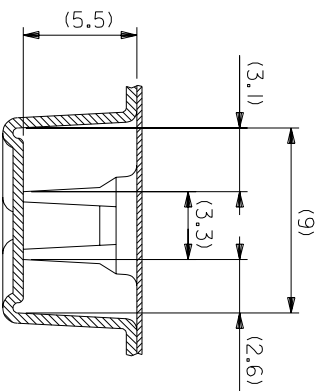
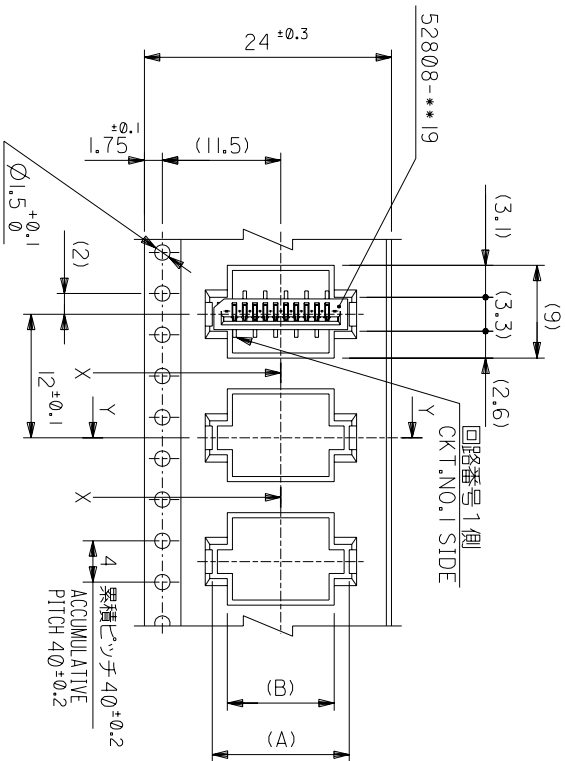
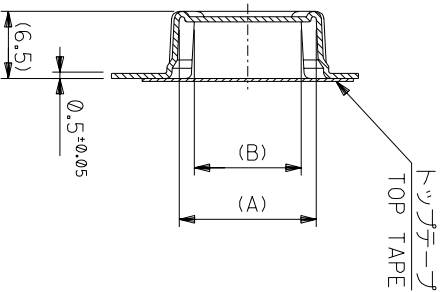


SECT:Y-Y
引き出し方向
PULL OUT DIRECTION

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

1 6mm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				
		仕上げ FINISH		—#—				
		適用電線範囲 WIRE RANGE		—#—				
		絶縁外径 INS. RANGE		—#—				
記号 GENERAL TOLERANCES		角度 ANGLE	30°以上 30 DEGREE	±3°				
		30°以下 30 DEGREE	±0.2	±0.25				
		10°以下 10 DEGREE	±0.2	±0.2				
		10°以下 10 DEGREE	±0.2	±0.2				
記号 L.T.R.		新規作成 REVISION	0	12004-2528	DATE	04/02/19	尺 SCALE	1:1
		変更内容 REVISION RECORD	DR-CHK.	DATE	DATE	DATE	DATE	DATE
		DRAWN BY	04/02/19	CHK'D BY	04/02/19	DATE	DATE	DATE
		APP'D BY	04/02/19	DATE	DATE	DATE	DATE	DATE
		M.SASAO	M.SASAO	M.SASAO	M.SASAO	M.SASAO	M.SASAO	M.SASAO
		DWG. NO.		SD-52808-028		REV		
						0		



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

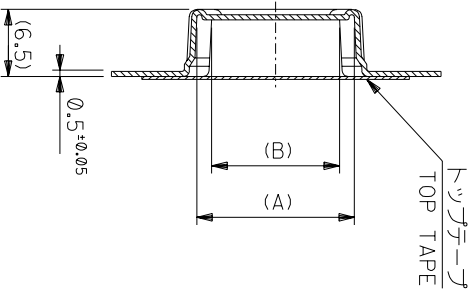
SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

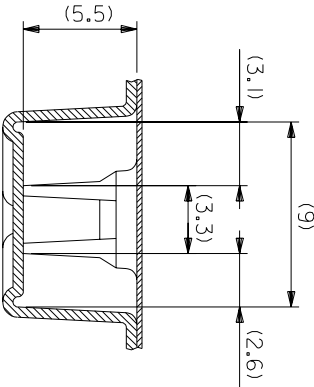
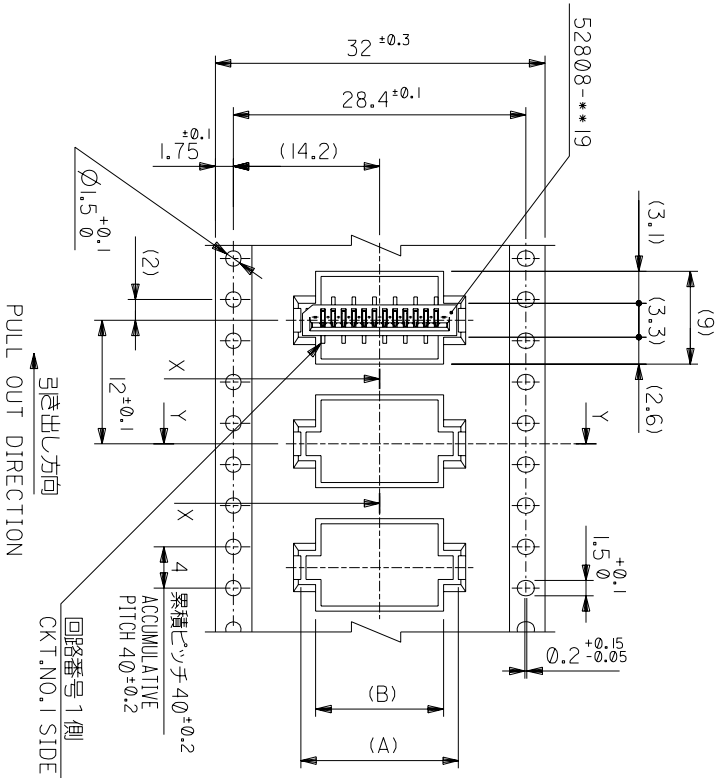
52808-***70	24	25.5	10.4	13.3	52808-1070	10
			9.4	12.3	52808-0970	9
			8.4	11.3	52808-0870	8
			7.4	10.3	52808-0770	7
			6.4	9.3	52808-0670	6
MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 CKT.

材料 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						REVISE ONLY ON CAD SYSTEM		
仕上げ FINISH			—#—			TITLE 名称		
適用電線範囲 WIRE RANGE			—#—			1.0 FFC Conn NON ZIF		
被覆外径 INS. RANGE			—#—			SMT ST Embstd Pkg		
DRAWN BY 04/02/9 M.NABEI			CHK'D BY 04/02/9 M.SASAO			-LEAD FREE-		
APP'D BY 04/02/9 M.SASAO			尺 度 SCALE —#—			DWG. NO. (SHEET 3 OF 6)		
						SD-52808-028		
DR. CHK. DATE			日付			REV		
REVISION RECORD			変更内容			0		
0			新規作成 (12004-2528) RELKASD					
10 UNDER			M.N					
10 OVER 30 UNDER			M.S					
30 OVER								
角度 ANGLE			±30					
10 OVER			±0.2					
10 UNDER			±0.25					
10 UNDER			±0.2					
一般公差 GENERAL TOLERANCES			記号 LTR					



SECT:Y-Y

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE



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

52808-**-70	MODEL NO.	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		

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

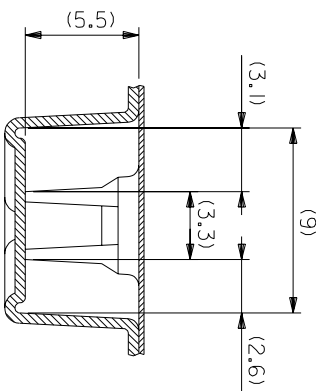
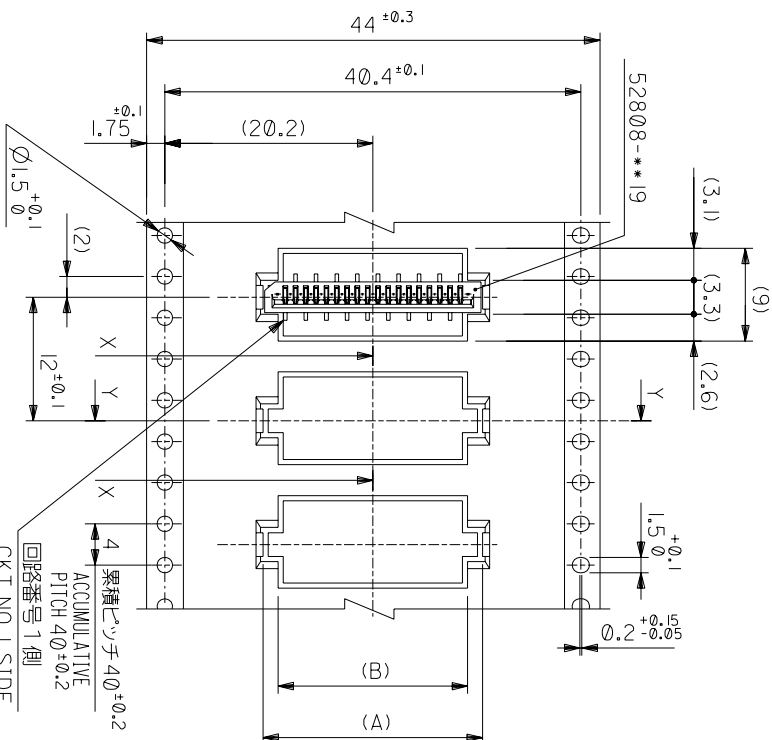
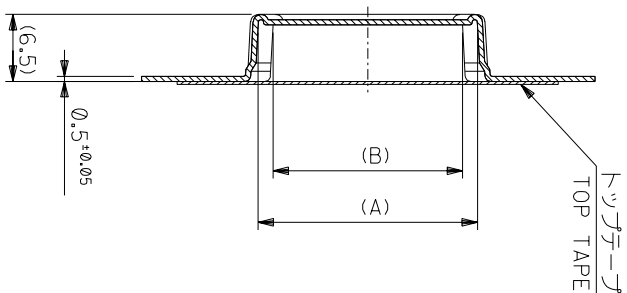
DRAWN BY 04/02/19 CHK'D BY 04/02/19
M.NABEI M.SASAO

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角度 ANGLE	3°
30°以上	1.2
10°以下	1.25
10°以下	0.2
10°以下	0.2

記号	0	新規格 REFRESH	変更内容 REVISION	DR- CHK.	DATE
記号	0	新規格 REFRESH	変更内容 REVISION	DR- CHK.	DATE

記号	0	新規格 REFRESH	変更内容 REVISION	DR- CHK.	DATE
記号	0	新規格 REFRESH	変更内容 REVISION	DR- CHK.	DATE



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

SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

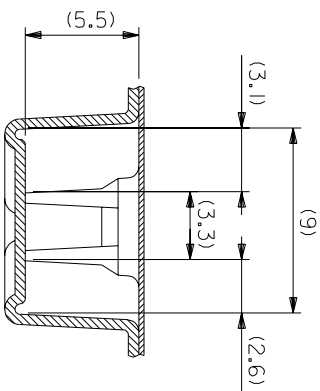
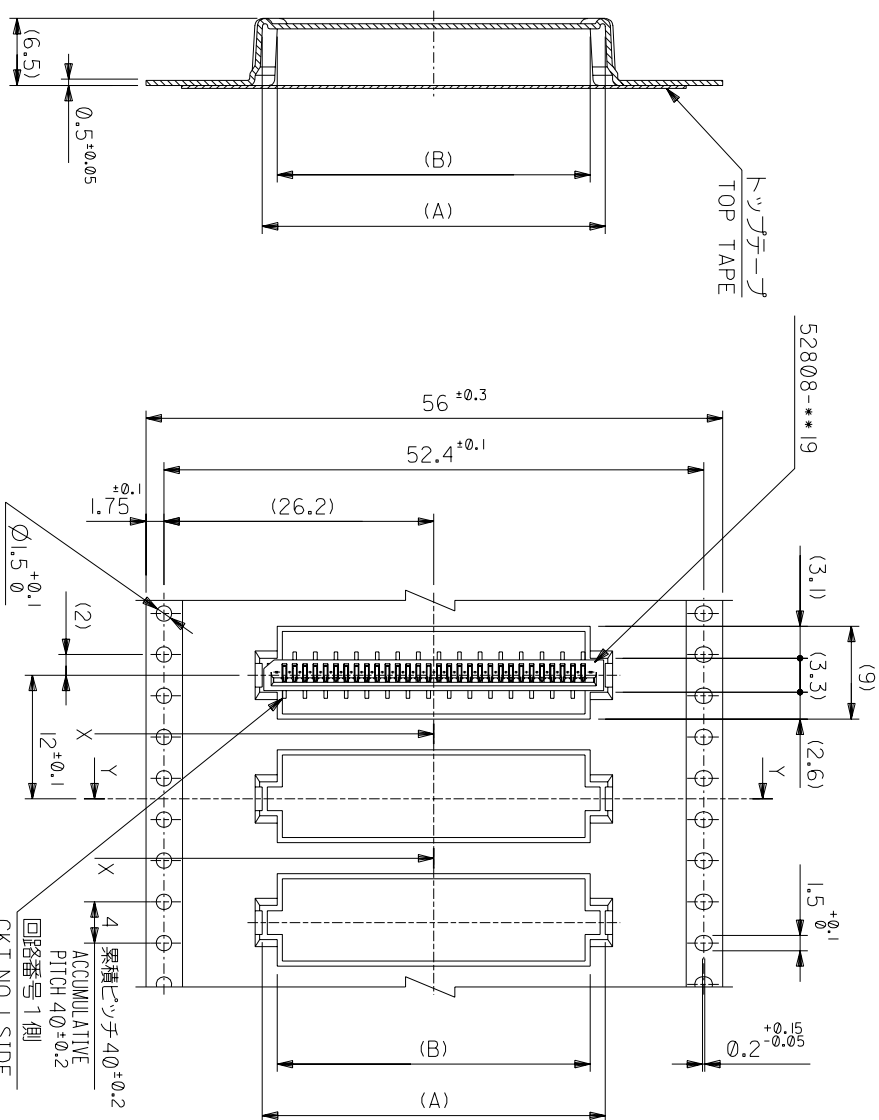
回路番号1側
CKT.NO.1 SIDE

44mm幅キヤリテータ
44mm WIDTH CARRIER TAPE

740 $\pm$ 0.2 LATIVE 0 $\pm$ 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
			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 Ckt.
52808-70						

材料		SHEET 1 OF 6 参照		MOLEX-JAPAN CO.,L.TD.	
REFER TO SHEET 1 OF 6				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		TITLE 名称	
被覆外径		INS. RANGE		I.Ø FFC Conn NON ZIF	
DRAWN BY 04/02/19		CHK'D BY 04/02/19		SMT ST Embstd Pkg	
M.NABEI		M.SASAO		-LEAD FREE-	
DWG. NO.		(SHEET 5 OF 6)		REV	
SD-52808-028		0		0	

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 EN-01C(032)MX-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.	キヤリ子ノ子幅 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	
LTG	0	CHK. DATE	APP'D BY 04/02/19	
			M.SASAO	

引き出し方向
PULL OUT DIRECTION

4 累積ピッチ 40 ± 0.2
ACCUMULATIVE
PITCH 40 ± 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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