

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0528080970](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 9 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) 9
Circuits (maximum) 9
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

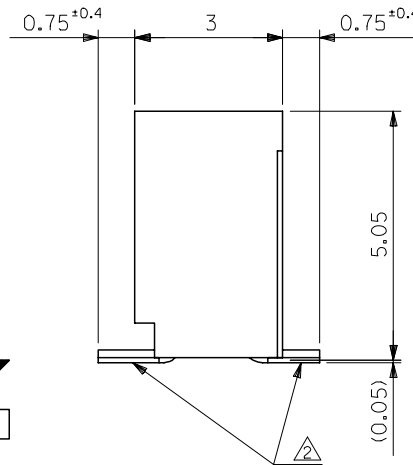
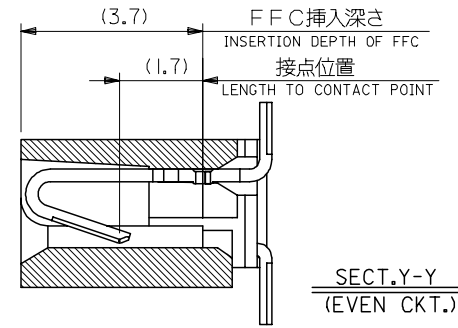
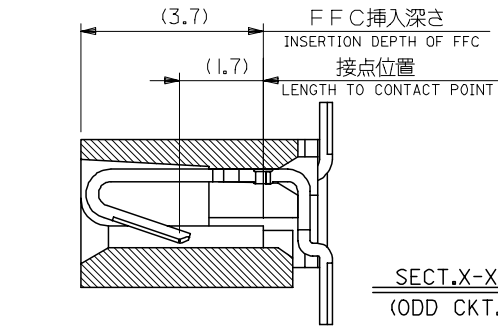
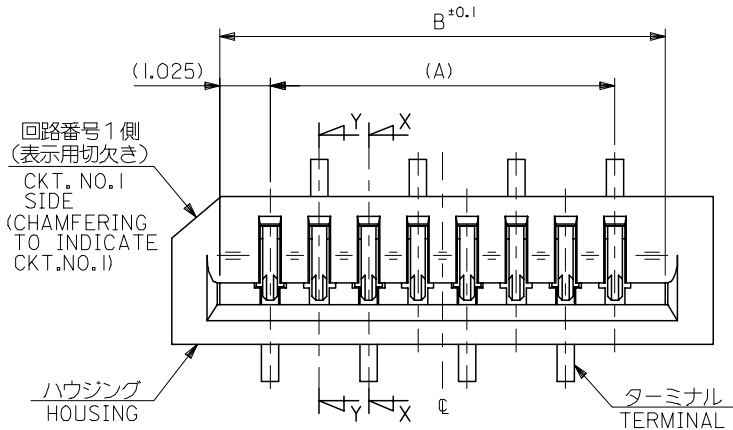
E

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。

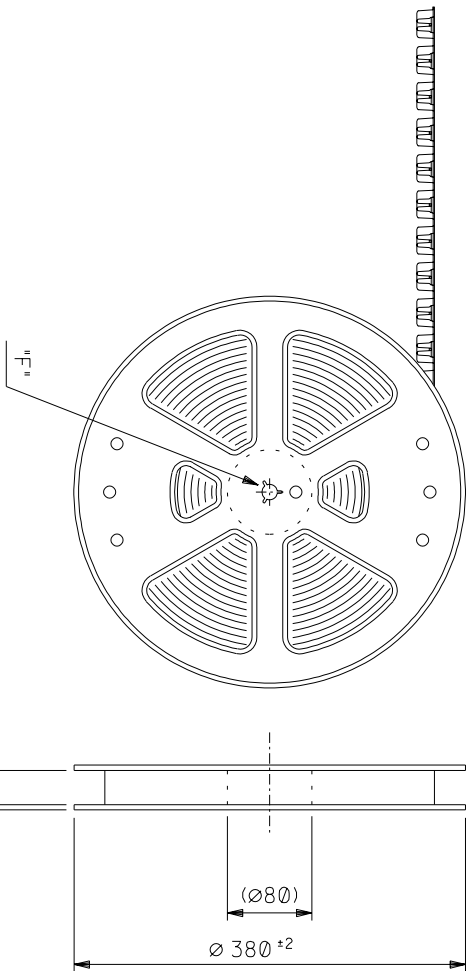
APPLY FOR EVEN CKT.

4. 本製品は52808-**-10の鉛フリー品である。

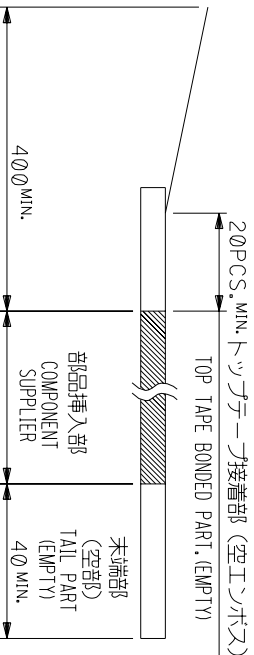
THIS PRODUCT IS LEAD FREE OF 52808-**-10

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									

引き出し方向
PULL OUT
DIRECTION



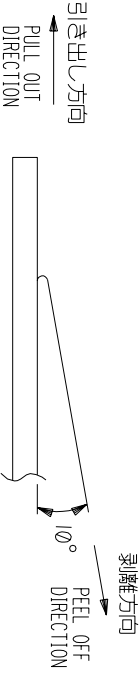
引き出し方向
PULL OUT
DIRECTION



NOTES

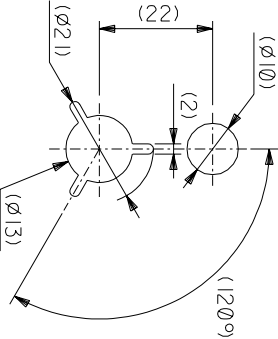
- 製品詳細寸法については図面 SD-52808-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-52808-027
- 梱包数量 : 1000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
- リールテープ長さ LEAD TAPE LENGTH
20PCS MIN. リールテープ接着部 (空エンボス)

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.



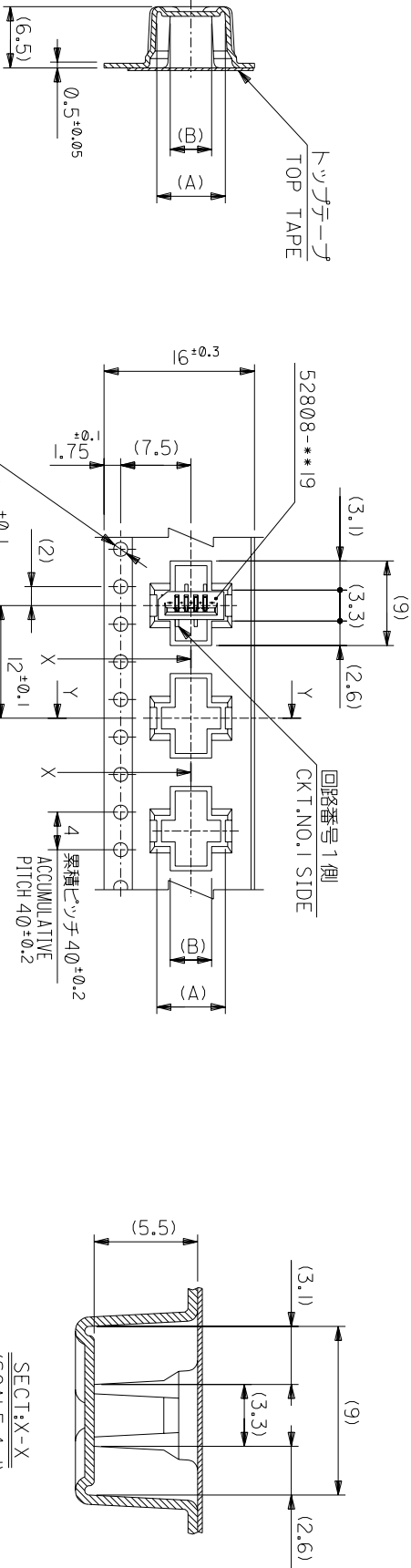
- 材料 (MATERIAL)
キャリアテープ (CARRIER TAPE) : ポリプロピレン (POLYPROPYLENE)
トッパテープ (TOP TAPE) : PET, PE, PEF
リール (REEL) : ポリスチレン (PS) <リサイクル材を含む>
POLYSTYRENE (PS) RECYCLE MATERIAL CONTAINED
- 本製品は 52808-**-90 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52808-**-90

DETAIL "F"



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

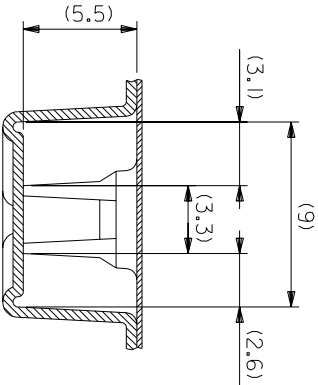
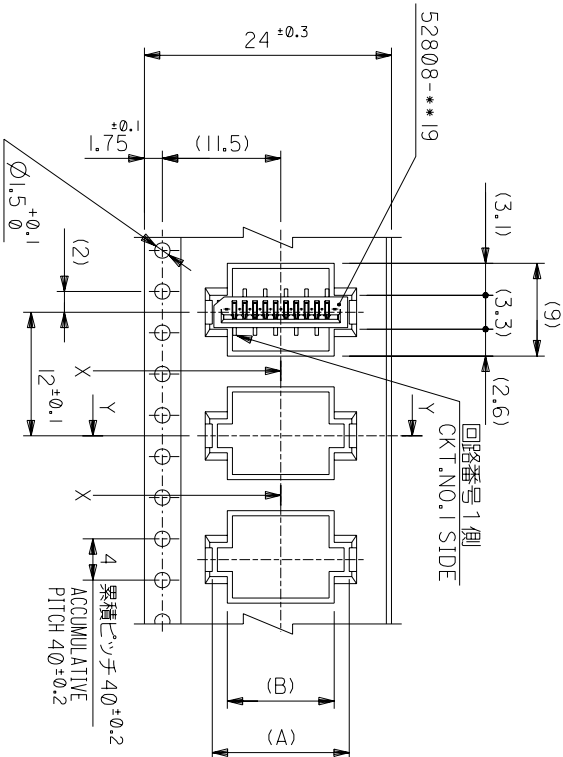
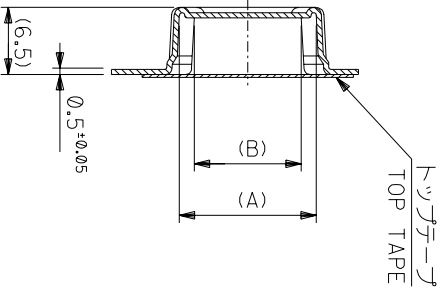
材料	注記参照	材料	注記参照
MATERIAL	SEE NOTES	MATERIAL	SEE NOTES
仕上げ	FINISH	仕上げ	FINISH
適用電線範囲	— # —	適用電線範囲	— # —
密着外径	— # —	密着外径	— # —
INS. RANGE	— # —	INS. RANGE	— # —
DRAWN BY W/M/2/9	CHK'D BY W/M/2/9	DRAWN BY W/M/2/9	CHK'D BY W/M/2/9
APP'D BY M/NABEI	M/SASAO	APP'D BY M/NABEI	M/SASAO
SCALE	— # —	SCALE	— # —
DWG. NO.	SD-52808-028	DWG. NO.	SD-52808-028
(SHEET 1 OF 6)	REV	(SHEET 1 OF 6)	REV
0	0	0	0



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.
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		CHK'D BY 04/02/19						
M.NABEI		M.SASAO						
APPR'D BY 04/02/19		SCALE		—#—				
M.SASAO		DWG. NO.		SD-52808-028				
		(SHEET 2 OF 6)		REV				
				0				
角 度		ANGLE		±3°				
30 以上		30 DEGREE		±0.2				
10 以下		10 DEGREE		±0.25				
10 未満		10 UNDER		±0.2				
GENERAL TOLERANCES		記号		0				
L.T.R.		REVISION RECORD		DR-CHK. DATE				

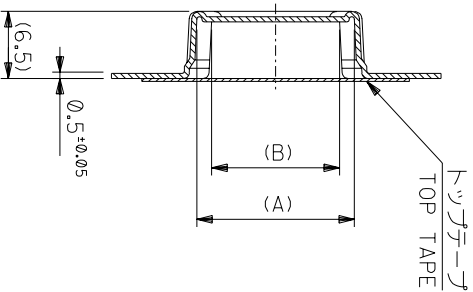


SECT:X-X
(SCALE:4-1)

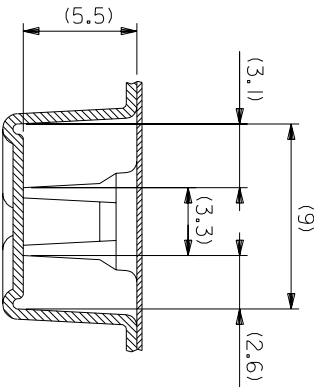
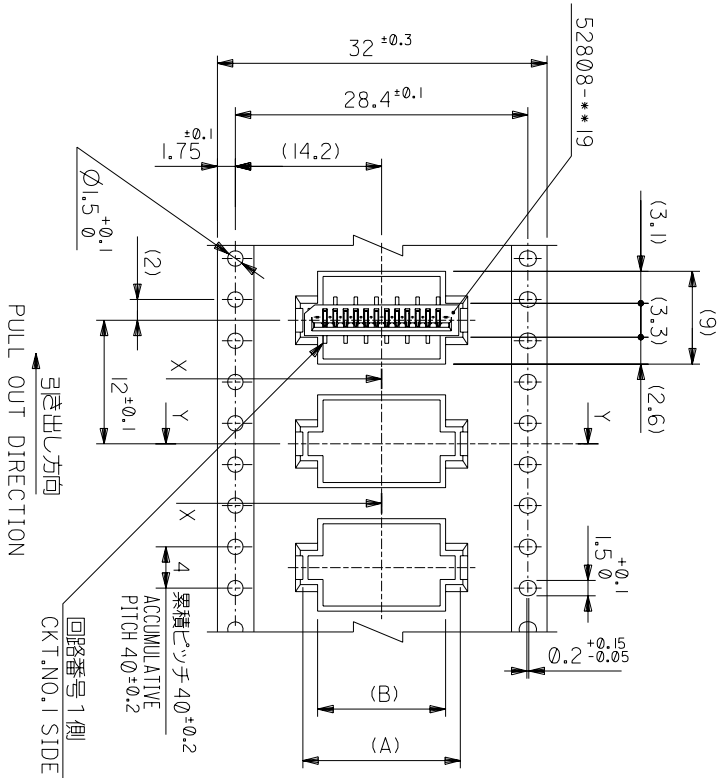
SECT:Y-Y

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)	
		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		—#—				TITLE 名称 I.O FFC Conn NON ZIF	
		被覆外径 INS. RANGE		—#—				SMT ST Emb+D PKg	
		DRAWN BY 04/02/9		CHK'D BY 04/02/9				DWG. NO. (SHEET 3 OF 6) REV	
		M.NABEI		M.SASAO				SD-52808-028	
		M.SASAO		SCALE —#—				0	
GENERAL TOLERANCES		角 度 ANGLE		±3°					
		30 以上		±0.2					
		10 以下 30 未満		±0.25					
		10 未満		±0.2					
		記号		新規格作成 (12004-2528)					
		LTR		REVISION RECORD					
		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

角度	ANGLE
30°以上	30°
10°以下	10°
未指定	未指定
10°以下	10°
未指定	未指定

記号	変更内容	DR-CHK.	DATE
0	新規作成 (12004-2528)	M.N.	M/W/2/9
1	変更内容	M.S.	M/S/2/9
2	変更内容	M.S.	M/S/2/9
3	変更内容	M.S.	M/S/2/9
4	変更内容	M.S.	M/S/2/9

MODEL NO.	キャリアテープ幅 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

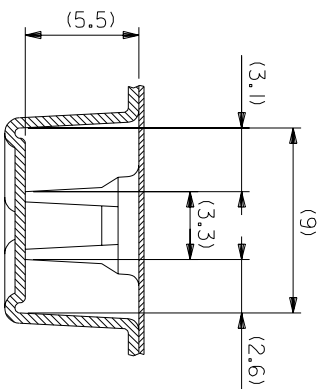
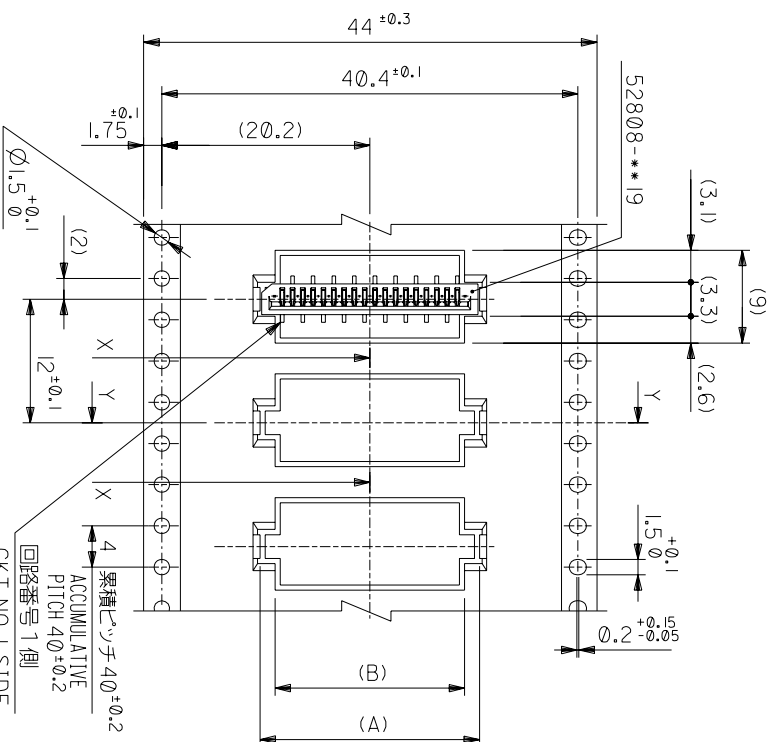
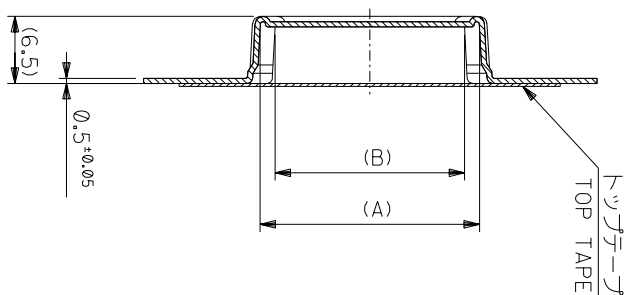
仕上げ
FINISH

適用電線範囲
WIRE RANGE

絶縁外径
INS. RANGE

DRAWN BY M/W/2/9 CHK'D BY M/W/2/9
APP'D BY M/NABEI SCALE M.SASAO

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:X-X
(SCALE:4-1)

SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

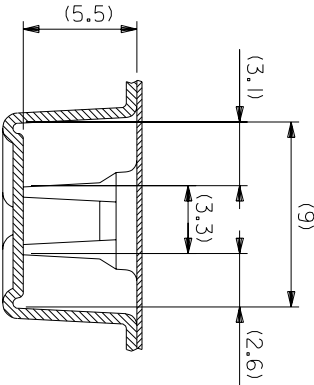
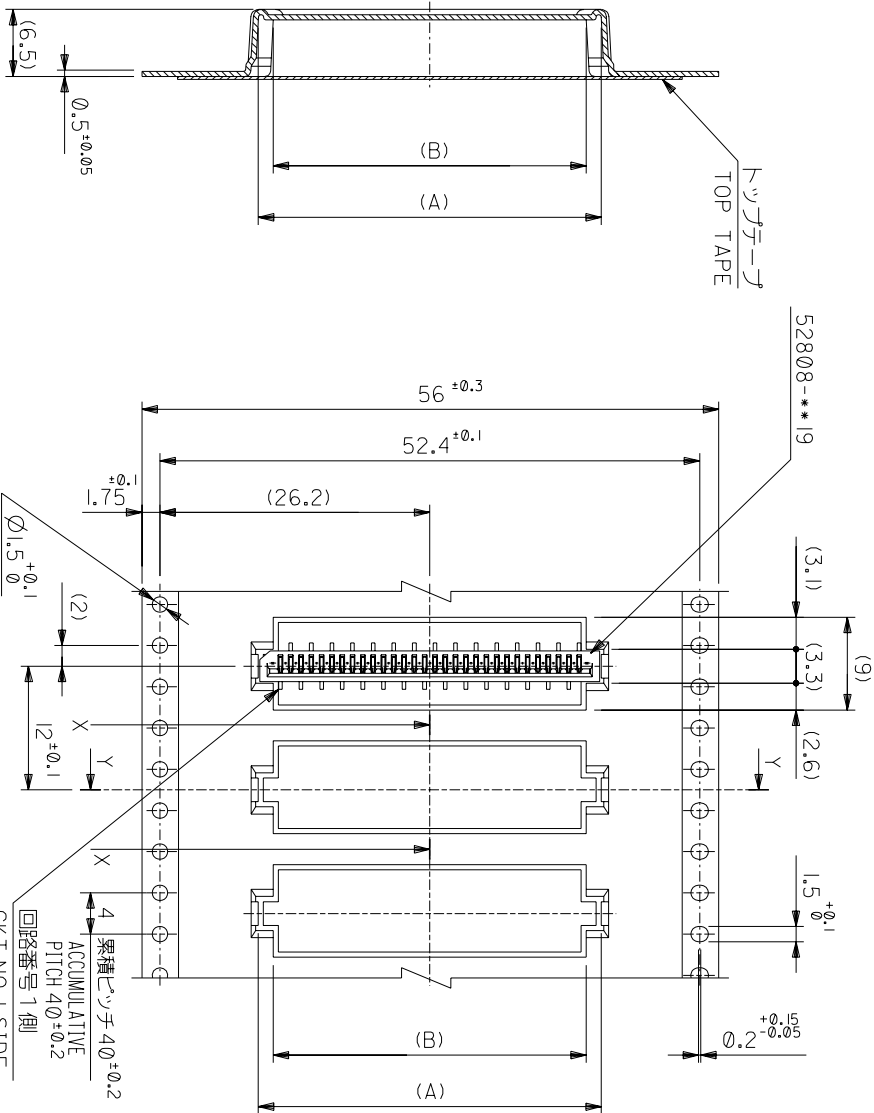
回路番号1側
CKT.NO.1 SIDE

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.NBEL 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	

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-01C032MXJ



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

SECT:Y-Y

56mm幅キャリアテープ
56mm WIDTH CARRIER TAPE

材 料 MATERIAL SHEET 1 OF 6 参照 REFER TO SHEET 1 OF 6		MOLEX-JAPAN CO.,LTD. molex 日本モリックス株式会社	
仕 上 げ FINISH —#—		REVISE ONLY ON CAD SYSTEM	
適 用 電 線 範 囲 WIRE RANGE —#—		TITLE 名 称 I.0 FFC Conn NON ZIF SMT ST Embstd Pkg -LEAD FREE-	
被 覆 外 径 INS. RANGE —#—			
DRAWN BY 04/02/19 CHK'D BY 04/02/19 M.NABEI M.SASAO			
DR. / CHK. / DATE M.N. / M.S. / M.W. / 02/19			
変 更 内 容 REVISION RECORD			
記 号 L.T.R.			
一 般 公 差 GENERAL TOLERANCES			
角 度 ANGLE 35° 30°以上 未満 30.5° 10°以下 30 UNDER 30.45° 10 UNDER 30.2			