

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

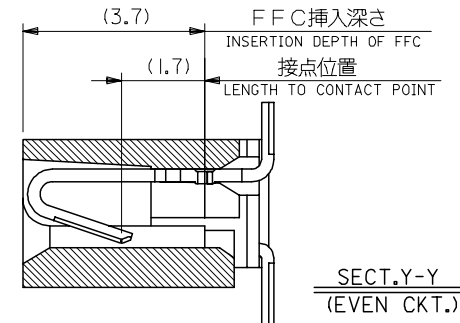
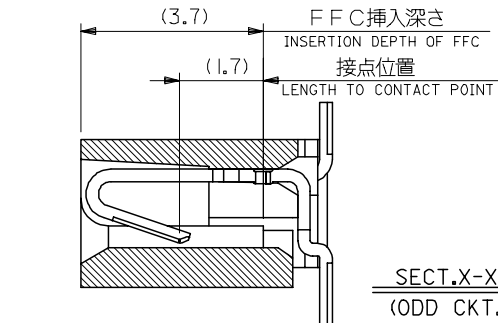
E

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.

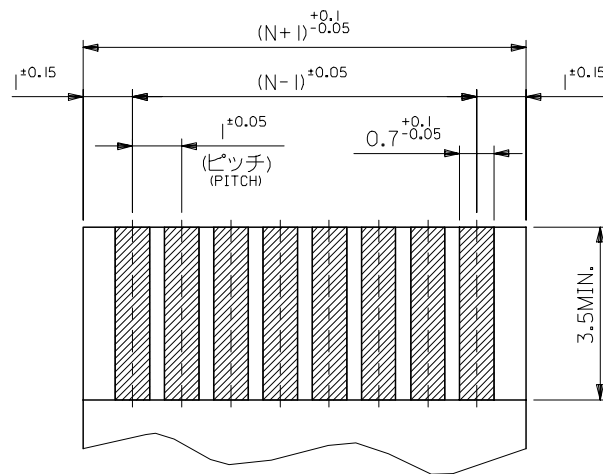
△偶数極に適用。

APPLY FOR EVEN CKT.

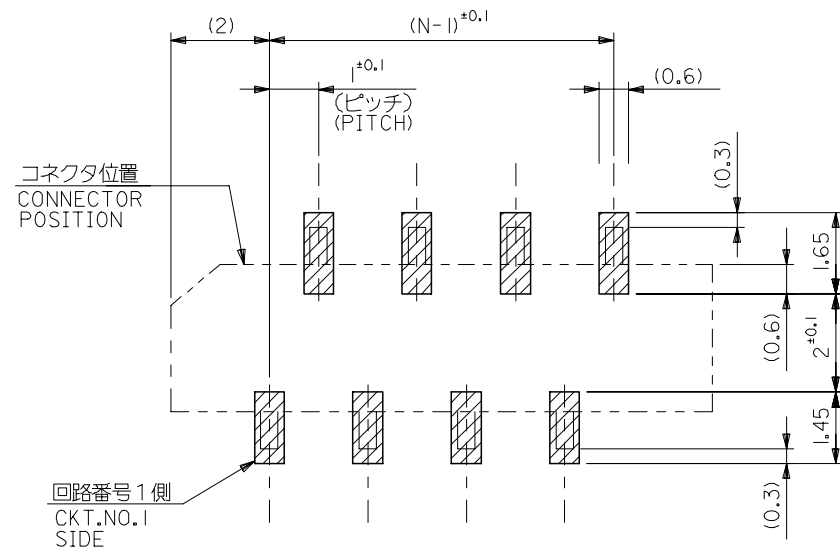
4. 本製品は52808-**-10の鉛フリー品である。

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.

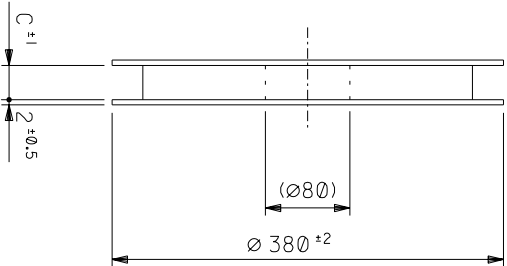
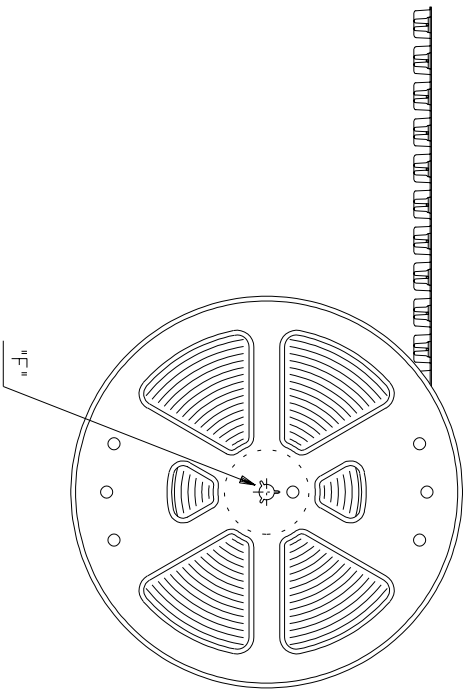
RECOMMENDED MATERIAL:

STIFFENER FILM: POLYIMIDE

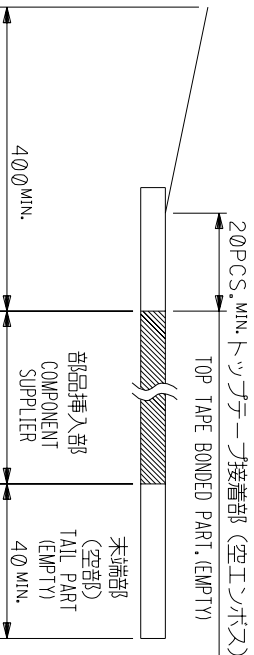
BONDING AGENT: THERMOSETTING BONDING AGENT

REVISED EC NO: J2006-1497 DRAWN: NABEI CHKD: KTOYODA 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				
		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	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

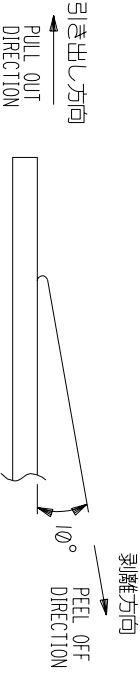


NOTES

- 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)

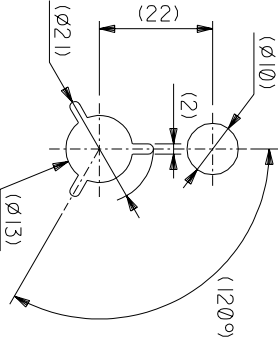
4. トッパテープの剥離強度: 0.1 ~ 1.3N (10 ~ 130gf)
(剥離方向は下図参照)

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.



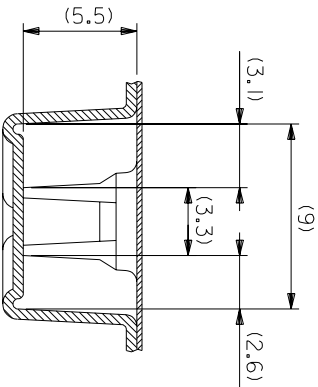
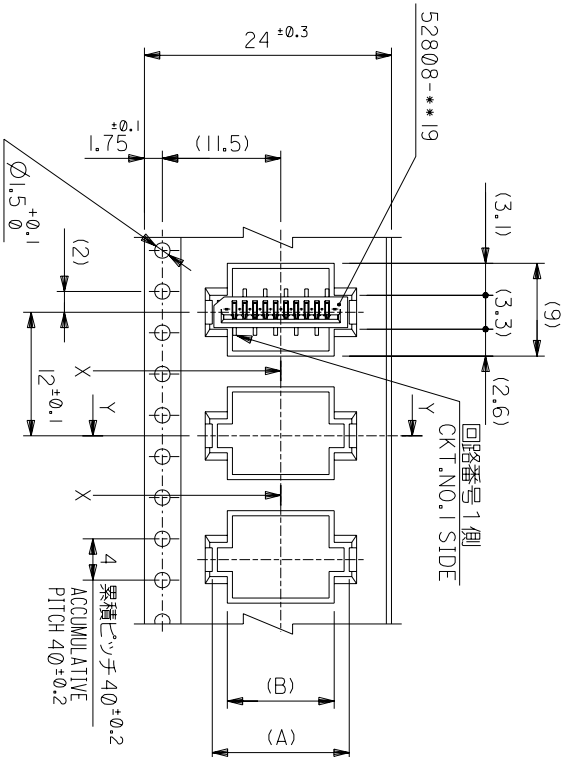
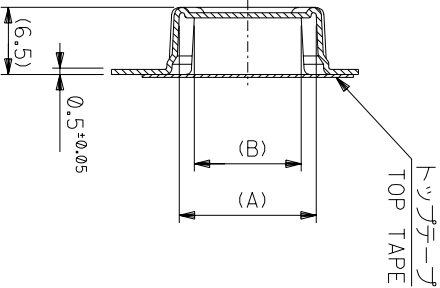
- 材料(MATERIAL)
キャリアテープ(CARRIER TAPE): ポリプロピレン(POLYPROPYLENE)
トッパテープ(TOPTAPE): PET, PE, PEF
リール(REEL): ポリスチレン(PS) <リサイクル材を含む>
POLYSTYREN(PS) RECYCLE MATERIAL CONTAINED>
- 本製品は52808-**-90の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52808-**-90

DETAIL "F"



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

材料	MATERIAL	注記参照	材料	注記参照
SEE NOTES	SEE NOTES	SEE NOTES	SEE NOTES	SEE NOTES
仕上げ	FINISH	—	仕上げ	FINISH
適用電線範囲	適用電線範囲	—	適用電線範囲	適用電線範囲
芯線径	芯線径	—	芯線径	芯線径
INS. RANGE	INS. RANGE	—	INS. RANGE	INS. RANGE
DRAWN BY: M/M/2/9	CHK'D BY: M/M/2/9	DATE	DRAWN BY: M/M/2/9	CHK'D BY: M/M/2/9
APP'D BY: M/M/2/9	SCALE	—	APP'D BY: M/M/2/9	SCALE
M.SASAO	M.SASAO	—	M.SASAO	M.SASAO
REVISE ONLY ON CAD SYSTEM	REVISE ONLY ON CAD SYSTEM	REVISE ONLY ON CAD SYSTEM	REVISE ONLY ON CAD SYSTEM	REVISE ONLY ON CAD SYSTEM
TITLE 名称	TITLE 名称	TITLE 名称	TITLE 名称	TITLE 名称
I.Ø FFC Conn NON ZIF	I.Ø FFC Conn NON ZIF	I.Ø FFC Conn NON ZIF	I.Ø FFC Conn NON ZIF	I.Ø FFC Conn NON ZIF
SMT ST Embstd Pkg	SMT ST Embstd Pkg	SMT ST Embstd Pkg	SMT ST Embstd Pkg	SMT ST Embstd Pkg
-LEAD FREE-	-LEAD FREE-	-LEAD FREE-	-LEAD FREE-	-LEAD FREE-
DWG. NO. SD-52808-028	DWG. NO. SD-52808-028	DWG. NO. SD-52808-028	DWG. NO. SD-52808-028	DWG. NO. SD-52808-028
(SHEET 1 OF 6)	(SHEET 1 OF 6)	(SHEET 1 OF 6)	(SHEET 1 OF 6)	(SHEET 1 OF 6)
REV 0	REV 0	REV 0	REV 0	REV 0



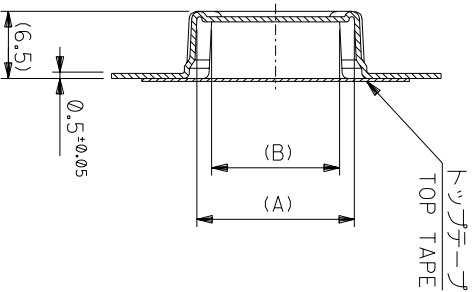
SECT:X-X
(SCALE:4-1)

SECT:Y-Y

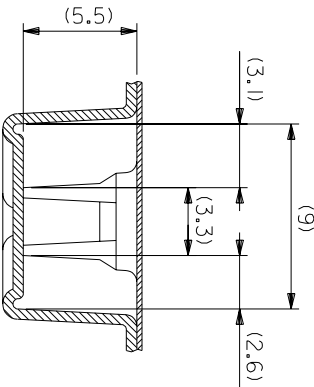
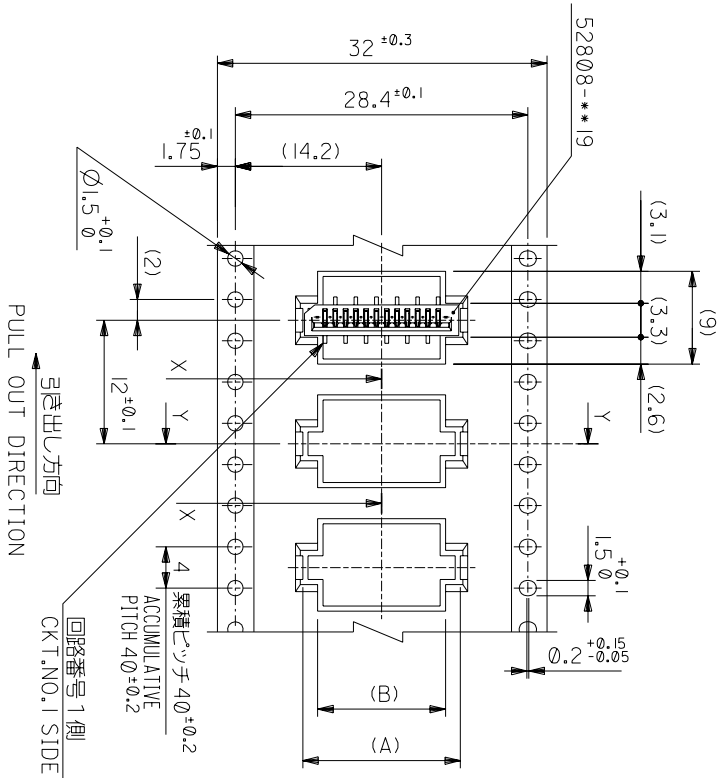
24mm幅キャリアテープ

24mm WIDTH CARRIER TAPE

52808-***70		24		25.5		10.4		13.3		52808-1070		10	
MODEL NO.		24		25.5		10.4		13.3		52808-0970		9	
CARRIER TAPE WIDTH		24		25.5		10.4		13.3		52808-0870		8	
C		7.4		10.3		52808-0770		7		52808-0670		6	
(A)		9.3		52808-0670		6		極数		極数		極数	
MATERIAL NO.		52808-***70		52808-***70		52808-***70		52808-***70		52808-***70		52808-***70	
MATERIAL		SHEET 1 OF 6 参照		SHEET 1 OF 6 参照		SHEET 1 OF 6 参照		SHEET 1 OF 6 参照		SHEET 1 OF 6 参照		SHEET 1 OF 6 参照	
REFER TO SHEET 1 OF 6		REFER TO SHEET 1 OF 6		REFER TO SHEET 1 OF 6		REFER TO SHEET 1 OF 6		REFER TO SHEET 1 OF 6		REFER TO SHEET 1 OF 6		REFER TO SHEET 1 OF 6	
仕上げ		—#—		—#—		—#—		—#—		—#—		—#—	
適用電線範囲		—#—		—#—		—#—		—#—		—#—		—#—	
芯線径		—#—		—#—		—#—		—#—		—#—		—#—	
INS. RANGE		—#—		—#—		—#—		—#—		—#—		—#—	
DRAWN BY		04/02/19		CHK'D BY		04/02/19		04/02/19		04/02/19		04/02/19	
APP'D BY		M.NABEI		M.NABEI		M.NABEI		M.NABEI		M.NABEI		M.NABEI	
SCALE		—#—		—#—		—#—		—#—		—#—		—#—	
DWG. NO.		SD-52808-028		SD-52808-028		SD-52808-028		SD-52808-028		SD-52808-028		SD-52808-028	
(SHEET 3 OF 6)		REV		REV		REV		REV		REV		REV	
0		0		0		0		0		0		0	



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°
10°以下	10°
10°以下	10°

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

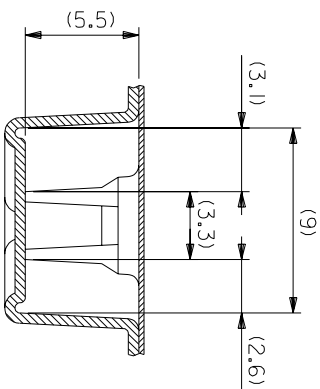
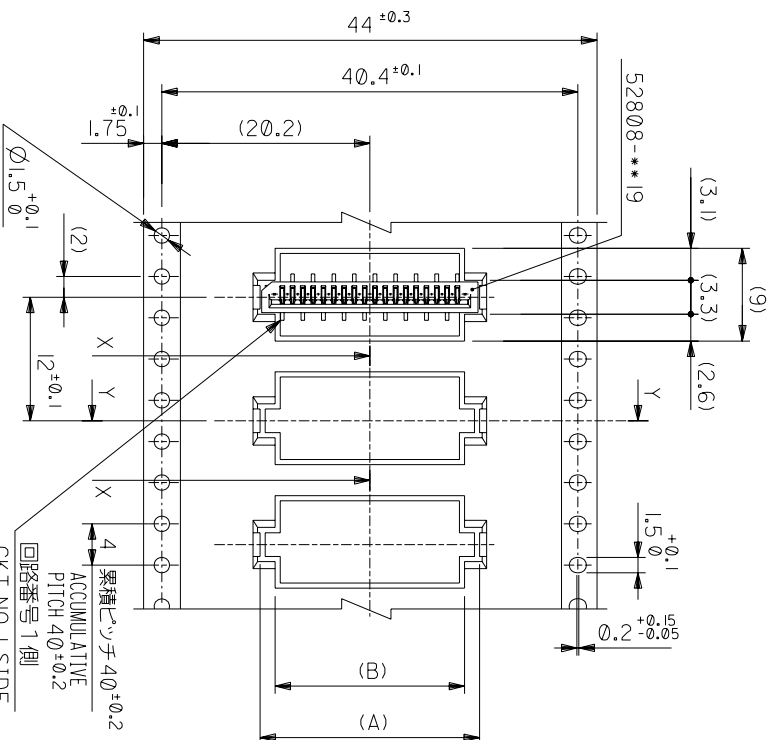
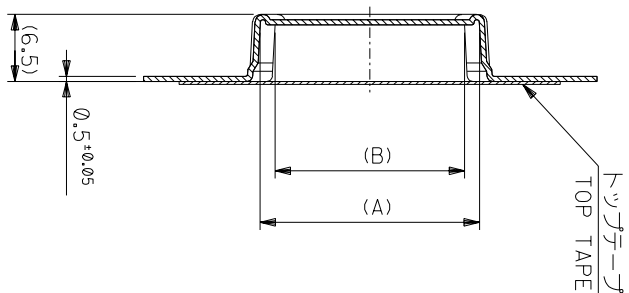
材料
MATERIAL SHEET 1 OF 6 参照
REFER TO SHEET 1 OF 6

仕上げ
FINISH
適用電線範囲
WIRE RANGE
INS. RANGE

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

尺
SCALE
M.SASAO

DWG. NO. SD-52808-028 (SHEET 4 OF 6) REV 0



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

SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

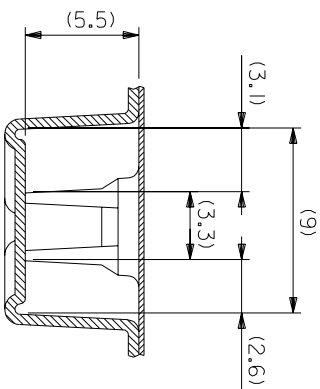
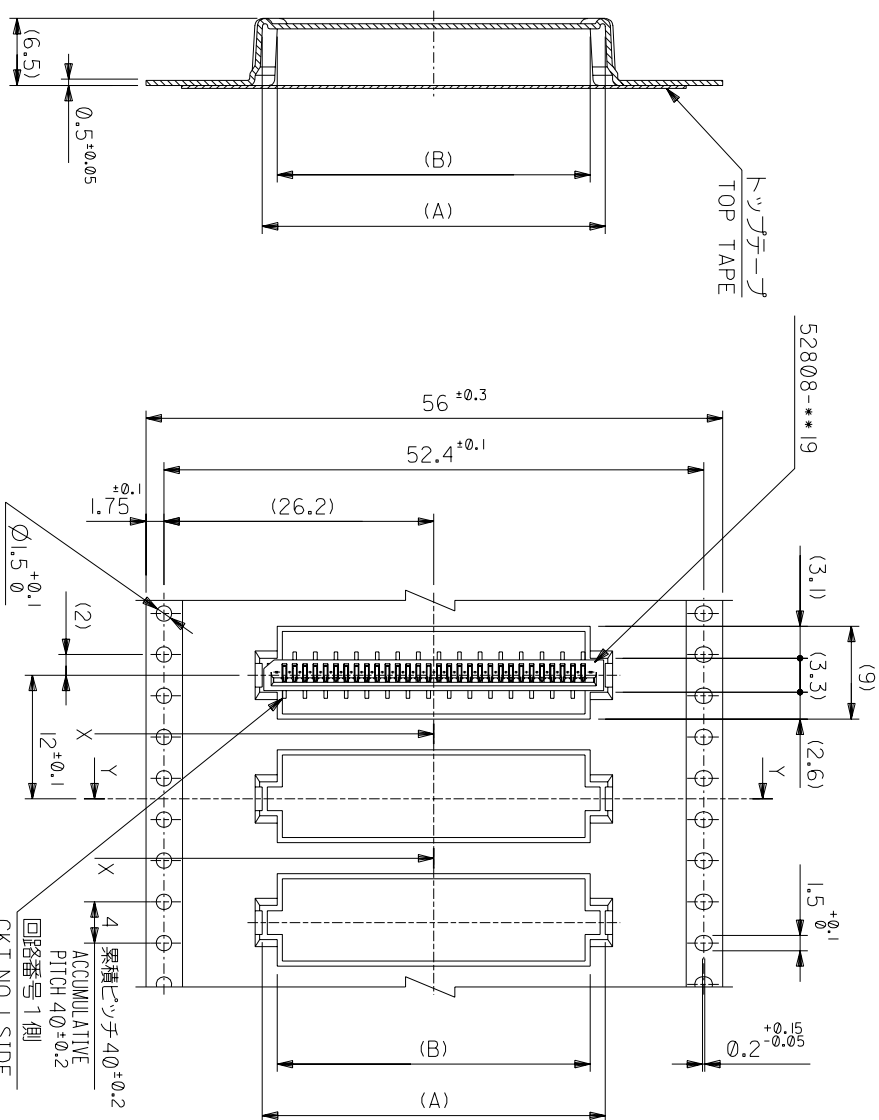
回路番号1側
CKT.NO.1 SIDE

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 APPRO'D 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.	キヤリ子ノリ幅 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) SD-52808-028 REV 0
30以上	0.3	被覆外径 INS. RANGE	—#—	
10以上 30以下	0.25	DRAWN BY 04/02/19 M.YABE	CHK'D BY 04/02/19 M.SASAO	
10以下	0.2	新規作成 (12/004-2528) RELEASED	04/02/19	
一般公差 GENERAL TOLERANCES	0	変更内容 LTR REVISION RECORD	DR. DATE CHK. DATE	

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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 EN-01C0321MXJ-32

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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

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