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Part Number:

0528082070

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 20 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)

20

Circuits (maximum)

20

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

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

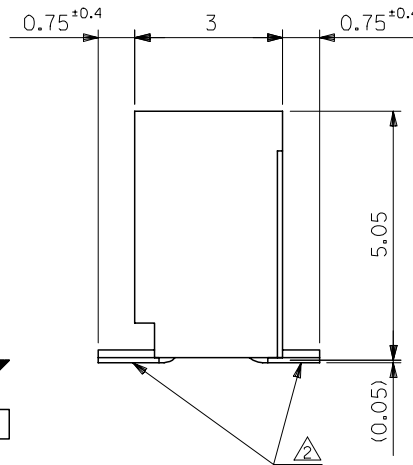
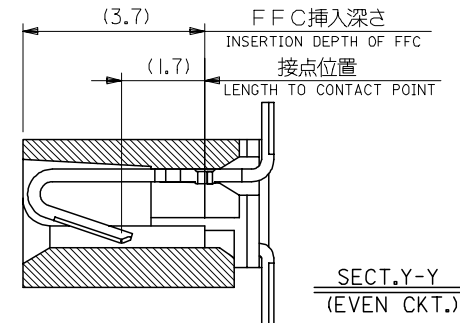
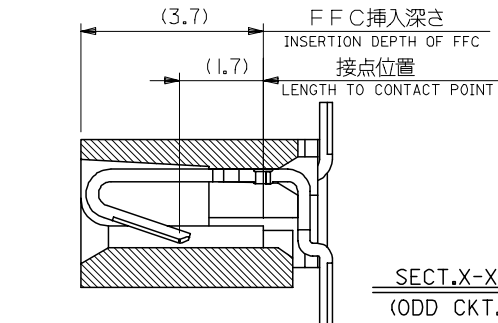
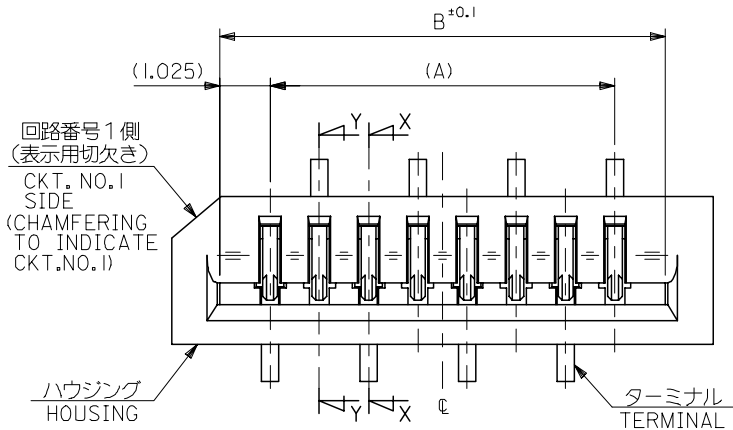
E

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: ニッケル下地鍍ビスマスメッキ

PLATING: TIN-BISMUTH OVER NICKEL

△2 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.

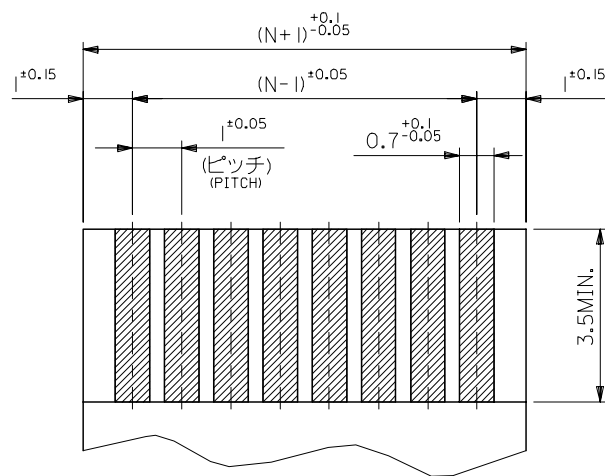
△3 偶数極に適用。

APPLY FOR EVEN CKT.

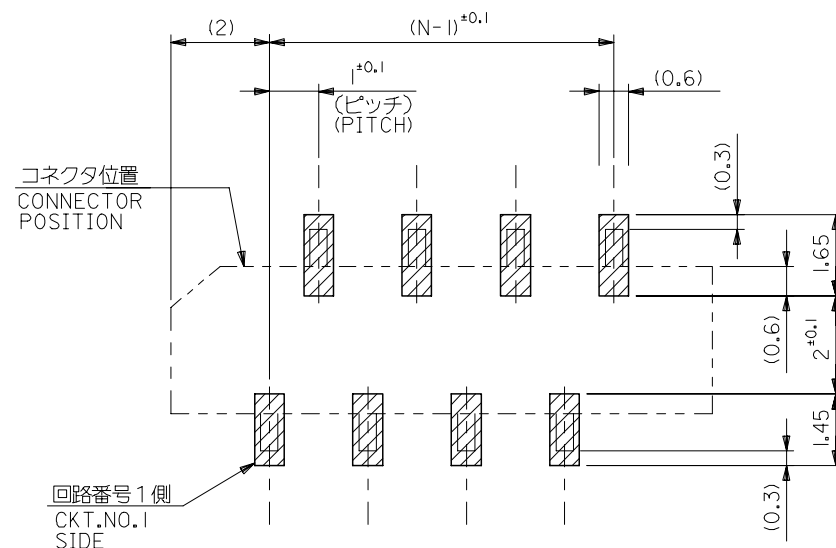
4. 本製品は52808-**-10の鉛フリー品である。

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）

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。

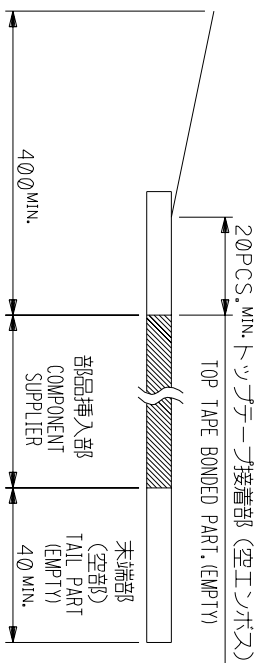
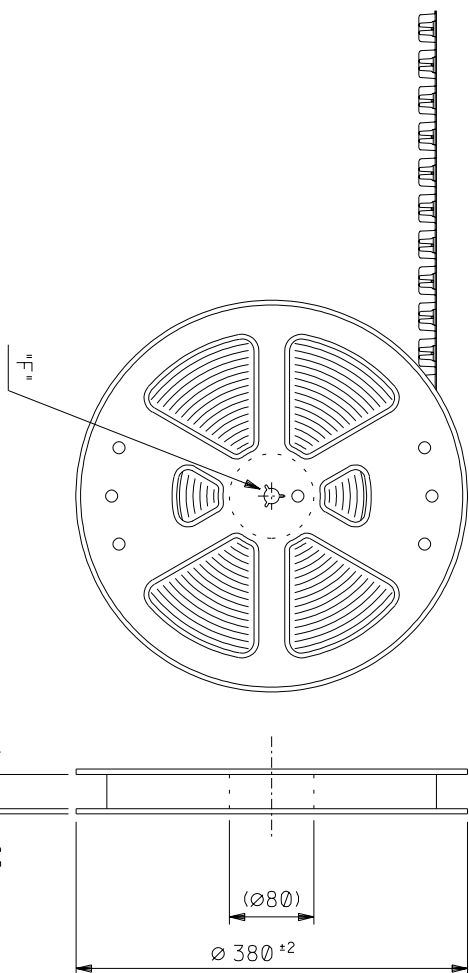
接着剤は、熱硬質接着剤を推奨いたします。

ABOUT FPC :

RECOMMENDED PUNCHER DIRECTION : FROM CONDUCTOR SIDE TO STIFFENER BOAD SIDE.

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

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	M. NABEI	DATE '04/02/19	TITLE 1.0 FFC CONN. NON ZIF SMT. ST. -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	M. SASAO	DATE '04/02/19					
		30 OVER	±0.3	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			
	REV	A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



NOTES

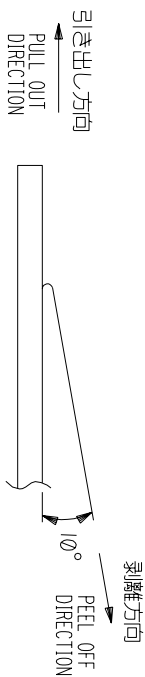
1. 製品詳細方法については図面 SD-52808-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-52808-027
2. 梱包数量: 10000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
3. リーダーテープ長さ LEAD TAPE LENGTH

4. トリプターズの剥離強度: 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.



5. 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

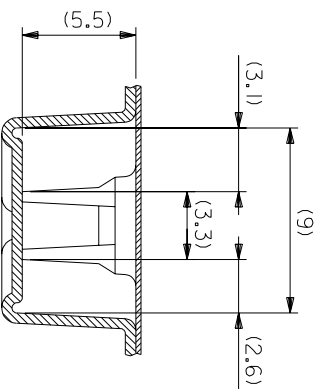
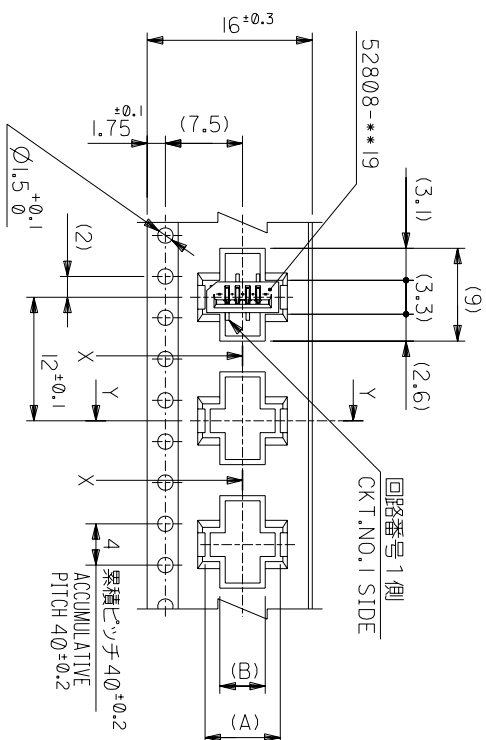
ポリスチレン (PS) <リサイクル材を含む>

POLYSTYRENE(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

52808-***70	
MODEL NO.	
 MOLEX-JAPAN CO.,LTD. モレックス株式会社 TITLE 名称 I.Ø FFC Conn NON ZIF SMT ST EmbStd Pkg -LEAD FREE- DWG. NO. (SHEET 1 OF 6) SD-52808-028	
材料 MATERIAL	注記参照 SEE NOTES
仕上げ FINISH	— //
適用電線範囲 WIRE RANGE	— //
被覆外径 INS. RANGE	— //
DRAWN BY 04/02/19 CHK'D BY 04/02/19 M.NABEI M.SASAO	
APPD BY 04/02/19 尺度 M.SASAO SCALE	— //
材料	注記参照 SEE NOTES
仕上げ FINISH	— //
適用電線範囲 WIRE RANGE	— //
被覆外径 INS. RANGE	— //
DRAWN BY 04/02/19 CHK'D BY 04/02/19 M.NABEI M.SASAO	
APPD BY 04/02/19 尺度 M.SASAO SCALE	— //
角度 ANGLE	±3°
30 以上	±0.3
10 以上 30 UNDER	±0.25
10 UNDER	±0.2
一般公差 GENERAL TOLERANCES	記号 LTR
変更内容 REVISION RECORD	Dr. / Chk.
新製作成 RELEASED	0
(12004-2320)	04/02/19

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EN-01C1032MXJ-32



引き出し方向
PULL OUT DIRECTION

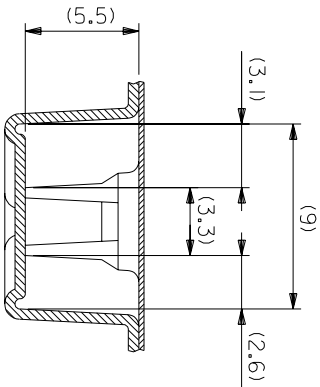
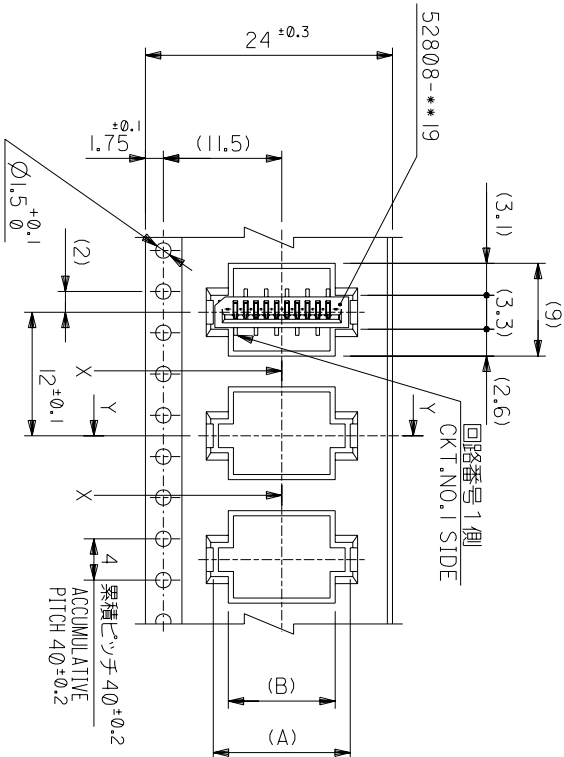
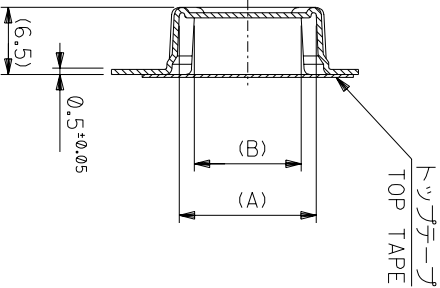
16mm幅キヤリテージ
16mm WIDTH CARRIER TAPE

材料 MATERIAL	SHEET 1 OF 6 参照 REFER TO SHEET 1 OF 6	MOLEX-JAPAN CO.,L.TD. molex 日本モロックス株式会社
仕上り FINISH	—#—	REVISE ONLY ON CAD SYSTEM
		TITLE 名称

角度	ANGLE	
30 以上	30 OVER	±3°
10 以上	10 OVER	±0.3°
未滿	30 UNDER	±0.2°
未滿	10 UNDER	±0.2

— 般 公 差
GENERAL TOLERANCES

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 EN-01C(032)MXJ-32



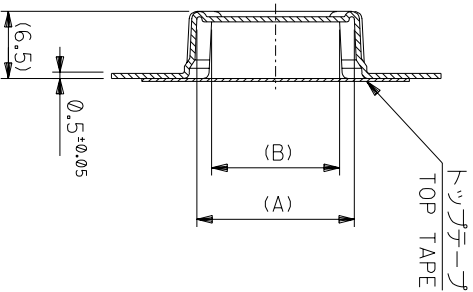
SECT:X-X
(SCALE:4-1)

SECT:Y-Y

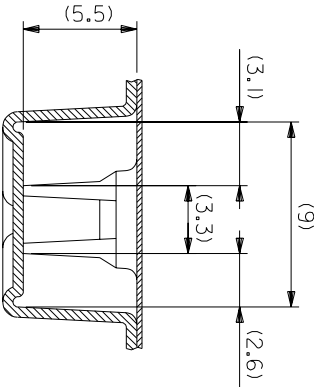
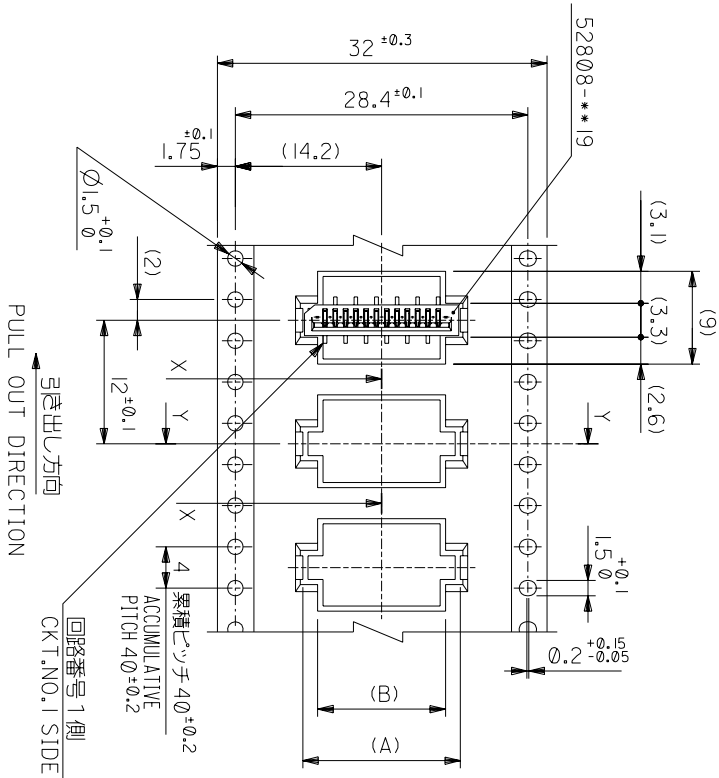
引き出し方向
PULL OUT DIRECTION

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	
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		
		絶縁外径 INS. RANGE	—#—			I.O FFC Conn NON ZIF		
		DRAWN BY 04/02/9	CHK'D BY 04/02/9	M.SASAO		DWG. NO. (SHEET 3 OF 6)		REV
		M.NABEI	M.SASAO			SD-52808-028		0
		M.S						
		04/02/9						
		新機作成 (L2004-2528)						
		変更内容 REVISION RECORD						
		記号 LTR						
一般公差 GENERAL TOLERANCES								
角度 ANGLE		±3°						
30°以上		±0.2						
10°以上 30°以下		±0.25						
10°以下		±0.2						
10°以下		±0.2						



SECT:Y-Y



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

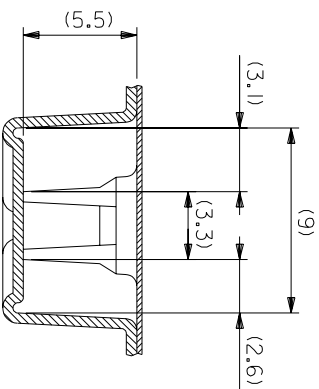
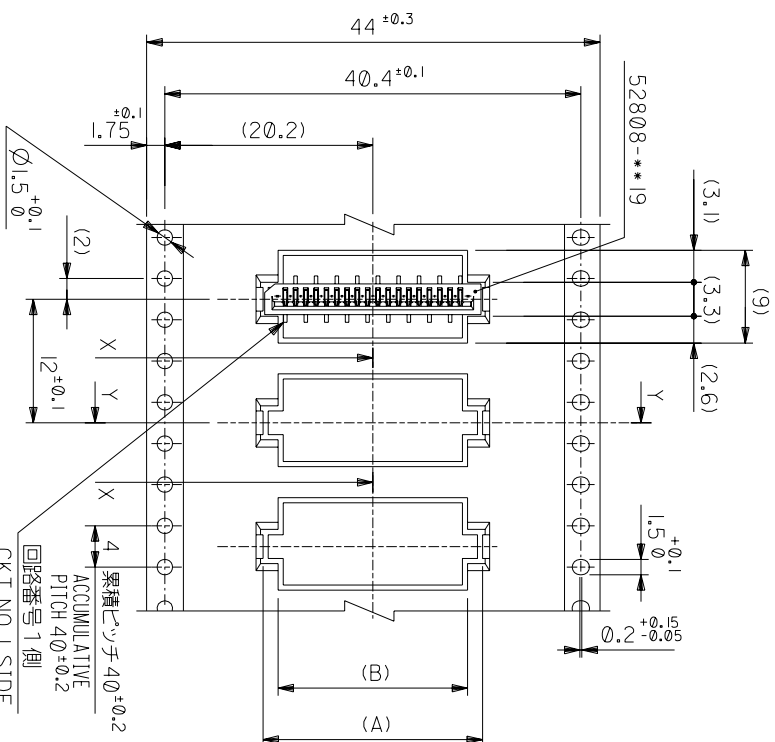
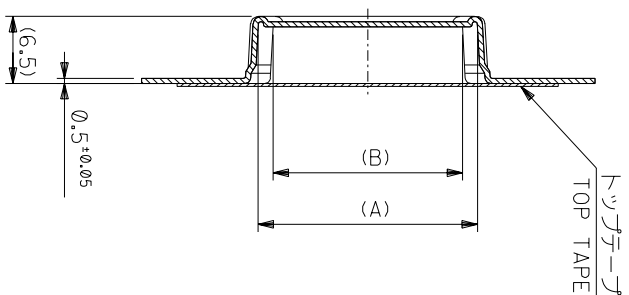
32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

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
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	—#—
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
M.SASAO	—#—
DWG. NO. SD-52808-028	(SHEET 4 OF 6) REV 0



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

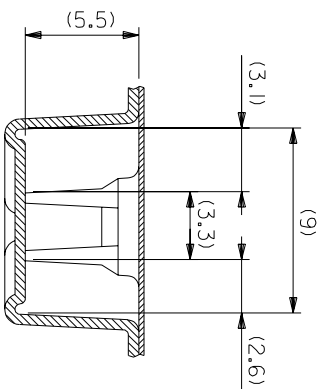
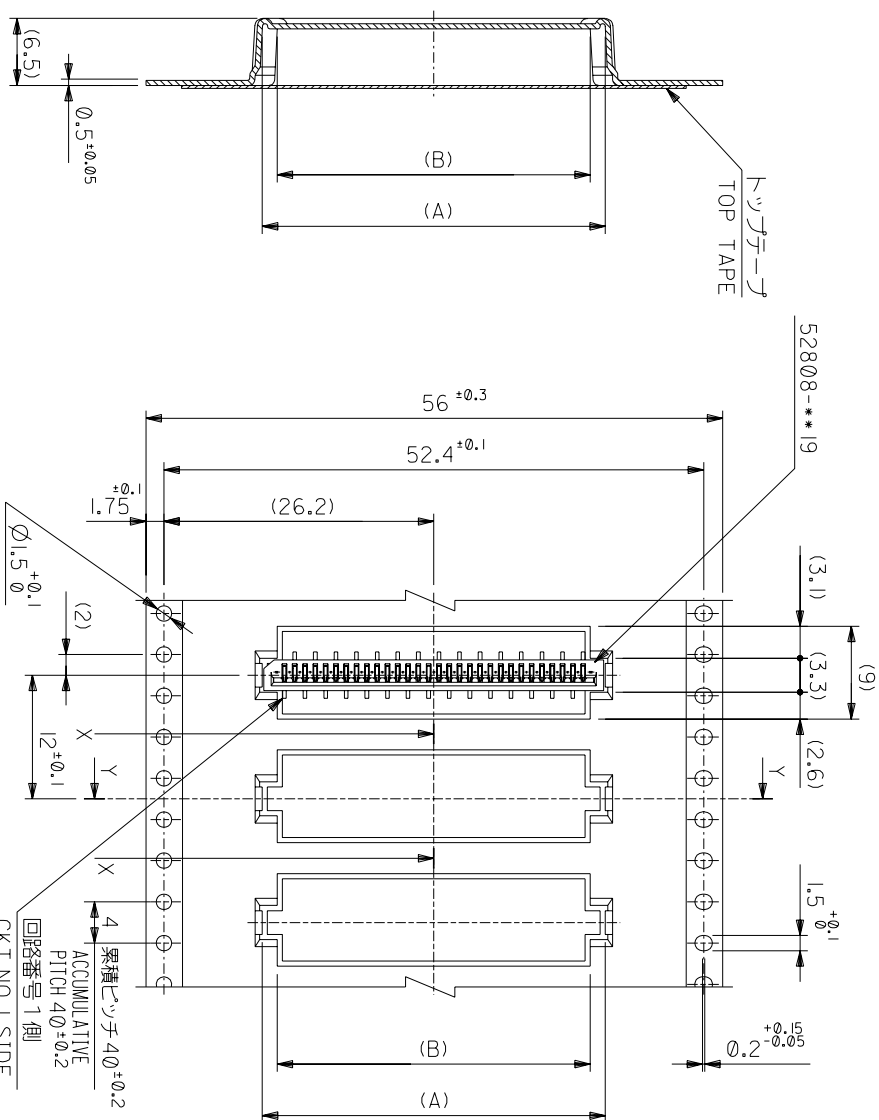
SECT:Y-Y

44mm幅キヤリテージ

ラッチ40±0.2 ACTIVE 0±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
52808-**70						
MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	巻数 C/T.

[illegible]

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 EN-01C0321MX-J-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 UNDER	0.25	DRAWN BY 04/02/19	CHK'D BY 04/02/19	
10 UNDER	0.2	M.N. 04/02/19	M.S. 04/02/19	
GENERAL TOLERANCES	0	新規作成 (12/004-2520) REL'D		
一般公差		變更內容 LTR	DR. 04/02/19	
REVISION RECORD		CHK. DATE	APP'D BY 04/02/19	尺度 1/8"
			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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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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