

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0528081170

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 11 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)

11

Circuits (maximum)

11

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

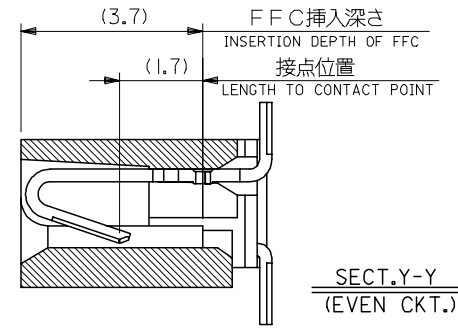
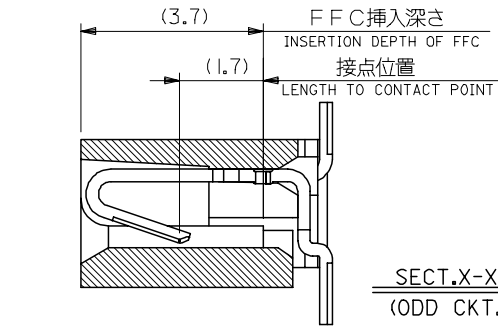
E

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.

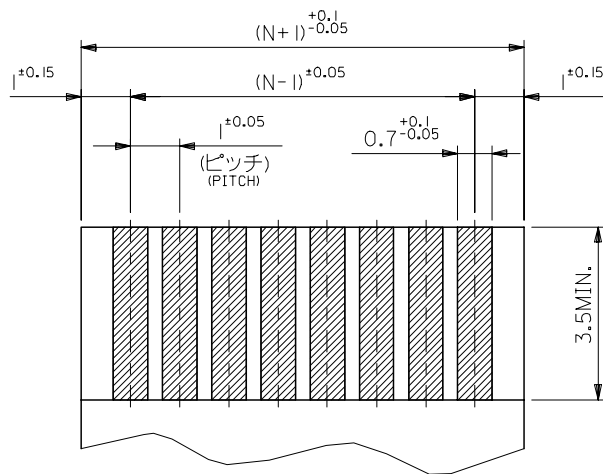
△偶数極に適用。

APPLY FOR EVEN CKT.

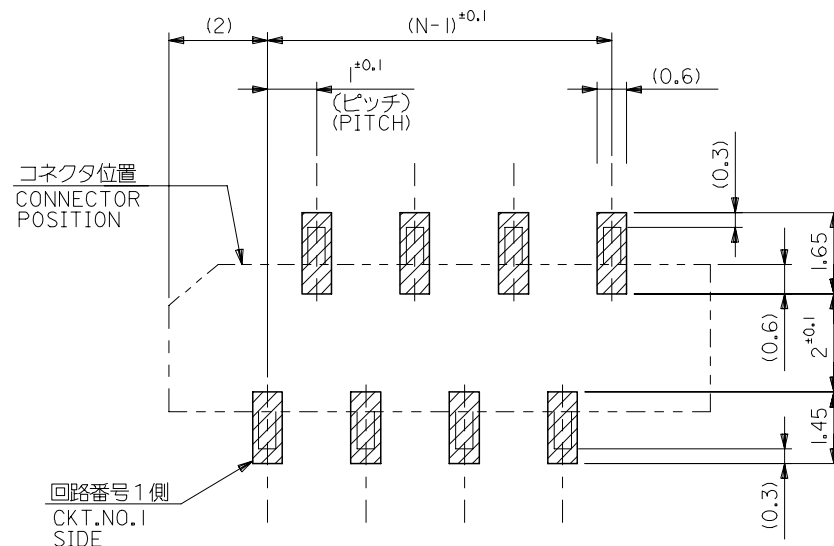
4. 本製品は52808-**-10の鉛フリー品である。

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

REVISED EC NO: J2006-1497 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:

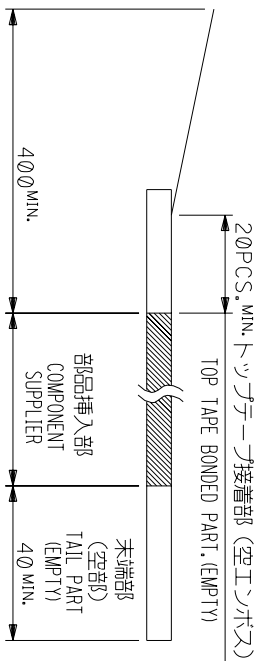
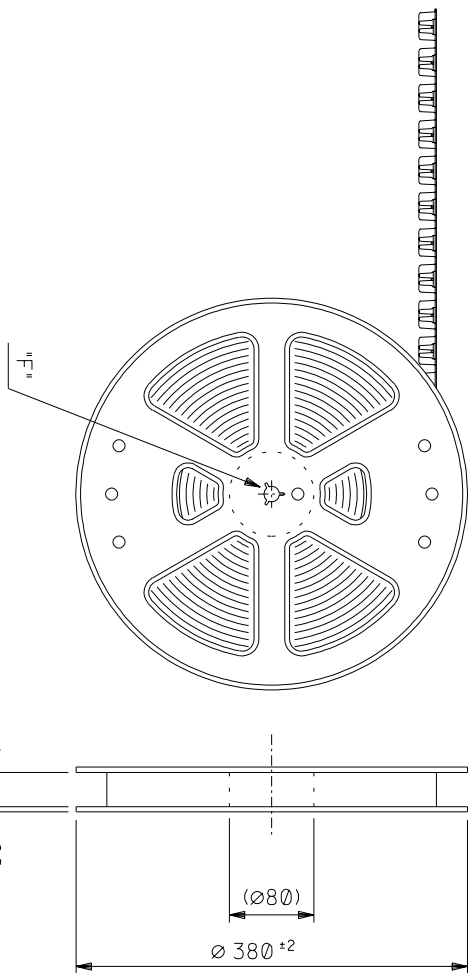
RECOMMENDED PUNCHER DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.

RECOMMENDED MATERIAL:

STIFFENER FILM: POLYIMIDE

BONDING AGENT: THERMOSETTING BONDING AGENT

REVISED EC NO: J2006-1497 DRAWN:MABEL CHKD:KTOYODA APPR:NUKITA	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	MOLEX INCORPORATED				
		ANGULAR ±3 °		MATERIAL NO.						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52808-027			2 OF 2	
	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



NOTES

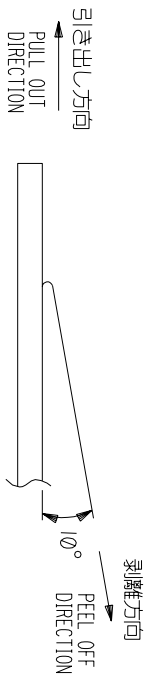
1. 製品詳細方法については図面 SD-52808-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-52808-027
2. 梱包数量: 1000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH

4. トツプテアの剥離強度: 0.1 ~ 1.3N (10 ~ 130gf)

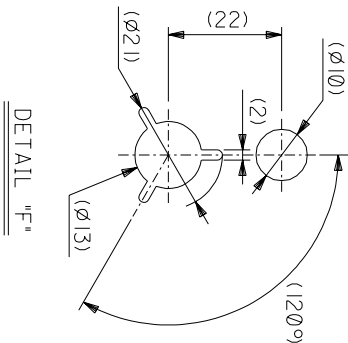
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)

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

PEEL OFF SHOULD NOT BE ALLOWED , DURING TRANSPORTATION.



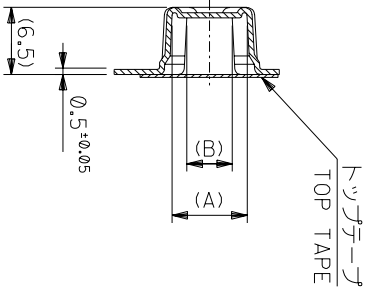
5. 材料(MATERIAL)
キャリアテープ(CARRIER TAPE): ポリプロピレン(POLYPROPYLENE)
トップテープ(TOPTAPE): PET・PE・PEF
リール(REEL): ポリスチレン(PS) <リサイクル材を含む>
POLYSTYRENES) <RECYCLE MATERIAL CONTAINED>
6. 本製品は52808-＊＊900の鉛フリップである。
THIS PRODUCT IS LEAD FREE OF 52808-＊＊90



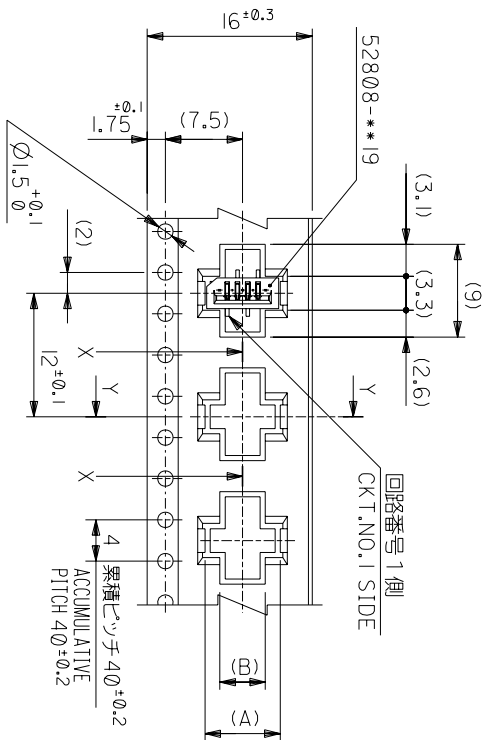
角度 ANGLE	=3
30 以上	=0
10 以上 30 UNDER	=0
10 UNDER	=0
一般公差 GENERAL TOLERANCES	

	MATERIAL	材料	MOLEX-JAPAN CO.,LTD. molex 日本モレック株式会社
	SEE NOTES	注記参照	
FINISH	仕上げ	— //	TITLE 名称
WIRE RANGE	適用電線範囲	— //	IØ FFC Conn NON ZIF
CNS. RANGE	被覆外径	— //	SMT ST Embstd Pkg
DRAWN BY M/NABEI	CHKD BY M/SASAO		-LEAD FREE-
DATE 04/02/9	M.N.		DWG. NO. (SHEET 1 OF 6) REV
REVISION RECORD	変更内容 DR. CHK. DATE	尺度 SCALE — // —	SD-52808-028 Ø
①新規作成 QJ004-23(8)			

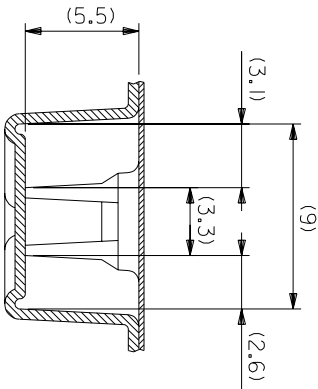
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEXYLAPLAN AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
EN-01C032IMXJ-32



SECTION-Y-Y



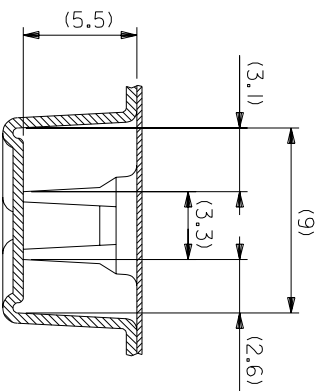
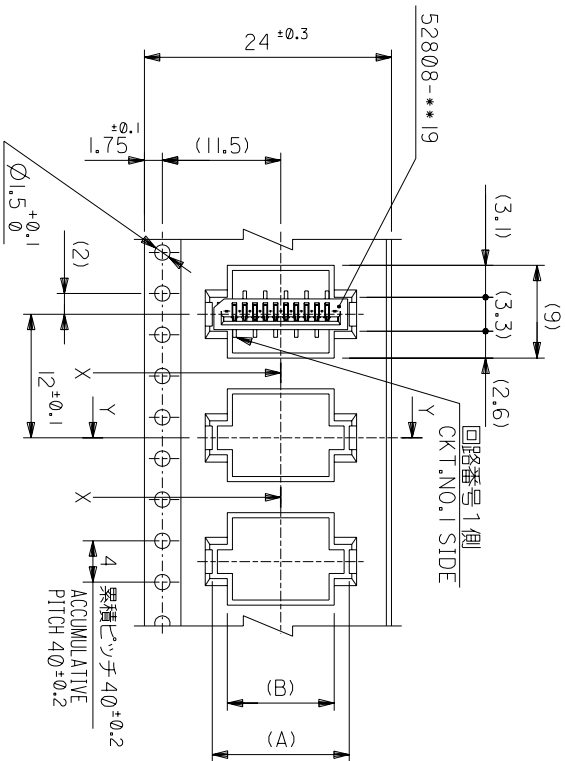
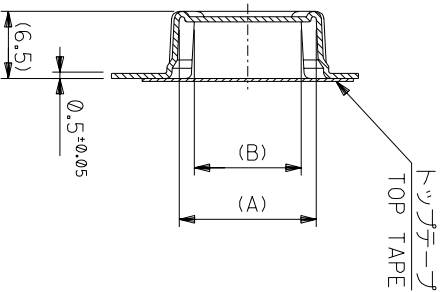
PULL OUT DIRECTION



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)		極数	
										MATERIAL NO.		極数	
												CKT.	



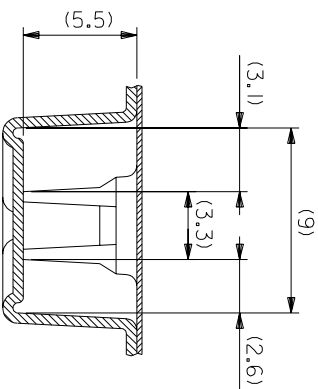
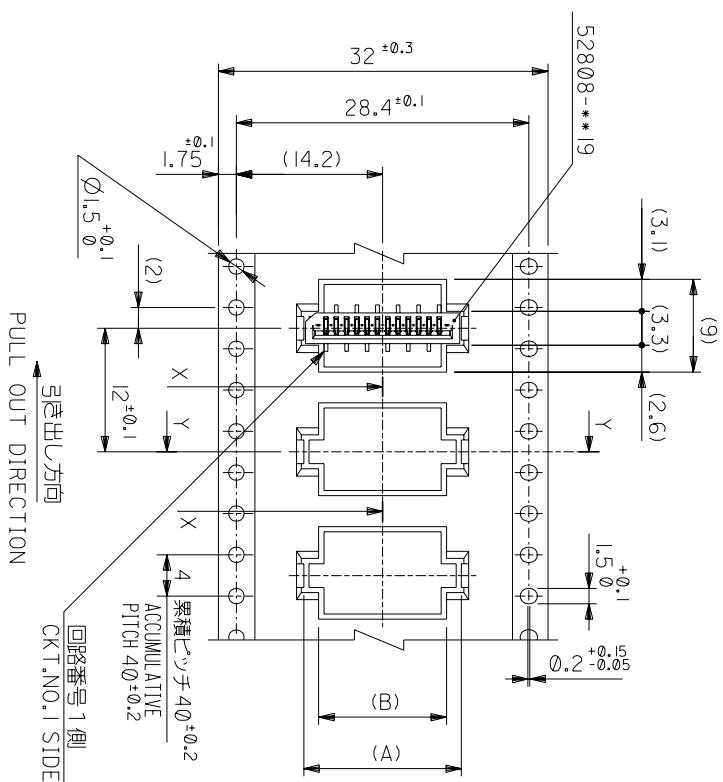
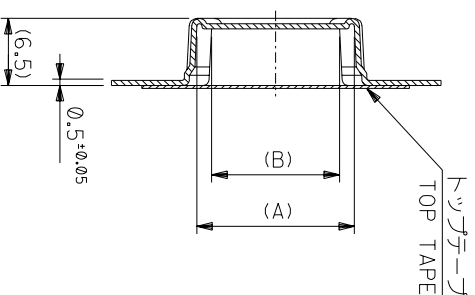
SECT:X-X
(SCALE:4-1)

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.	モリステープ幅	C	(B)	(A)	MATERIAL NO.	極数 Ckt.

角度	ANGLE	3°
30°以上	30°以上	1.2
10°以下	30°以下	1.25
未指定	未指定	1.25
10°以下	未指定	1.2
GENERAL TOLERANCES	一般公差	1.2
LT	記号	0
REVISION RECORD	変更内容	新規作成 (12004-2528)
DR. CHK. DATE	DATE	04/02/19
DRAWN BY 04/02/19 CHK'D BY 04/02/19		
APP'D BY M.NABEI M.SASAO		
SCALE 1:1		
DWG. NO. SD-52808-028		
SHEET 3 OF 6		
REV		


$$\frac{\text{SECT:X-X}}{(\text{SCALE:4-1})}$$

SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

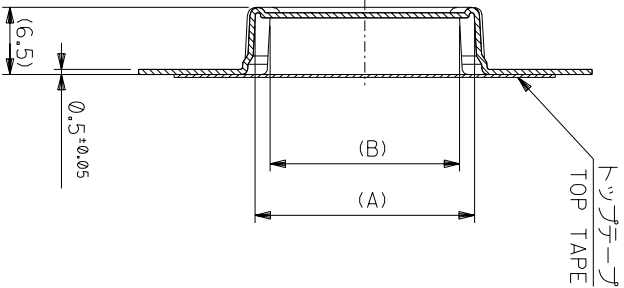
回路番号1側
CKT.NO.1 SIDE

32mm幅キヤリテータ
32mm WIDTH CARRIER TAPE

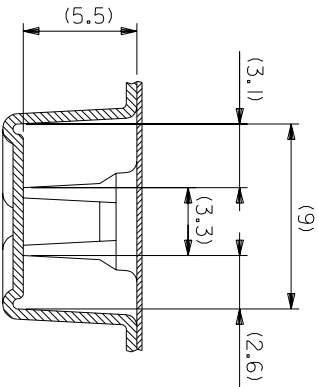
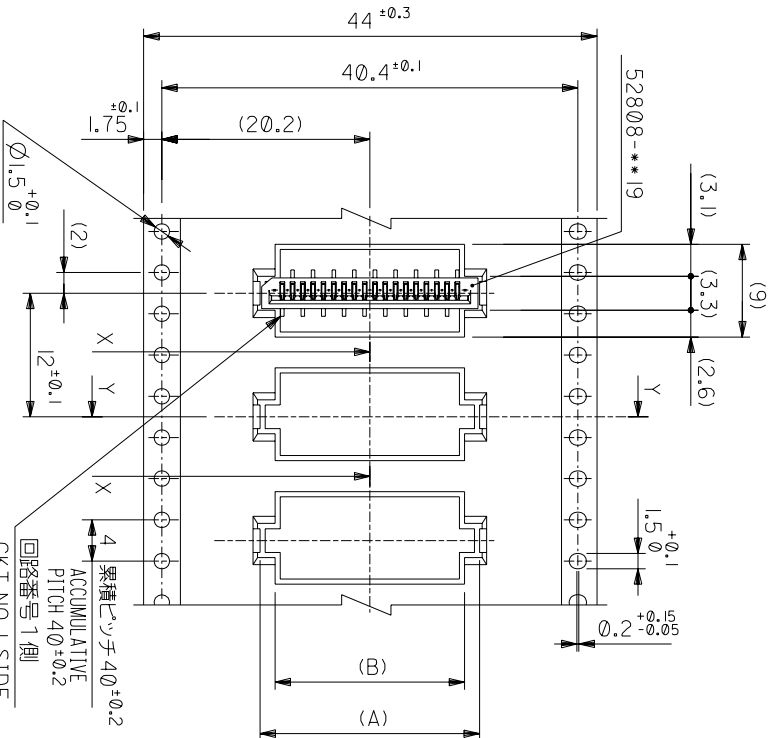
52808-**70	32	33.5	15.4	18.3	52808-1570	15
			14.4	17.3	52808-1470	14
			13.4	16.3	52808-1370	13
			12.4	15.3	52808-1270	12
MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 Ckt.
52808-**70			11.4	14.3	52808-1170	11

[illegible]

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 本図面は日本モリス(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-0(C)032MXJ-32



SECT:Y-Y



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

44mm幅キャリアテープ
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	変更内容	DR-CHK.	DATE
0	新規作成 (12004-2528)	M.N.	10/02/19
1	10°以下	M.S.	10/02/19
2	10°以下	M.S.	10/02/19
3	10°以下	M.S.	10/02/19
4	10°以下	M.S.	10/02/19

仕上げ	FINISH
適用電線範囲	—#—
線径	—#—
線径範囲	—#—
線径	—#—
線径範囲	—#—

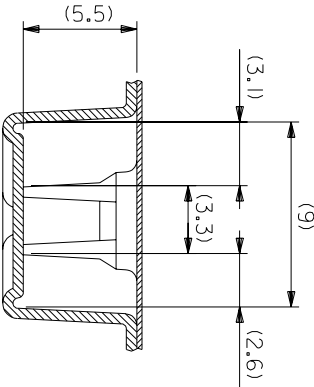
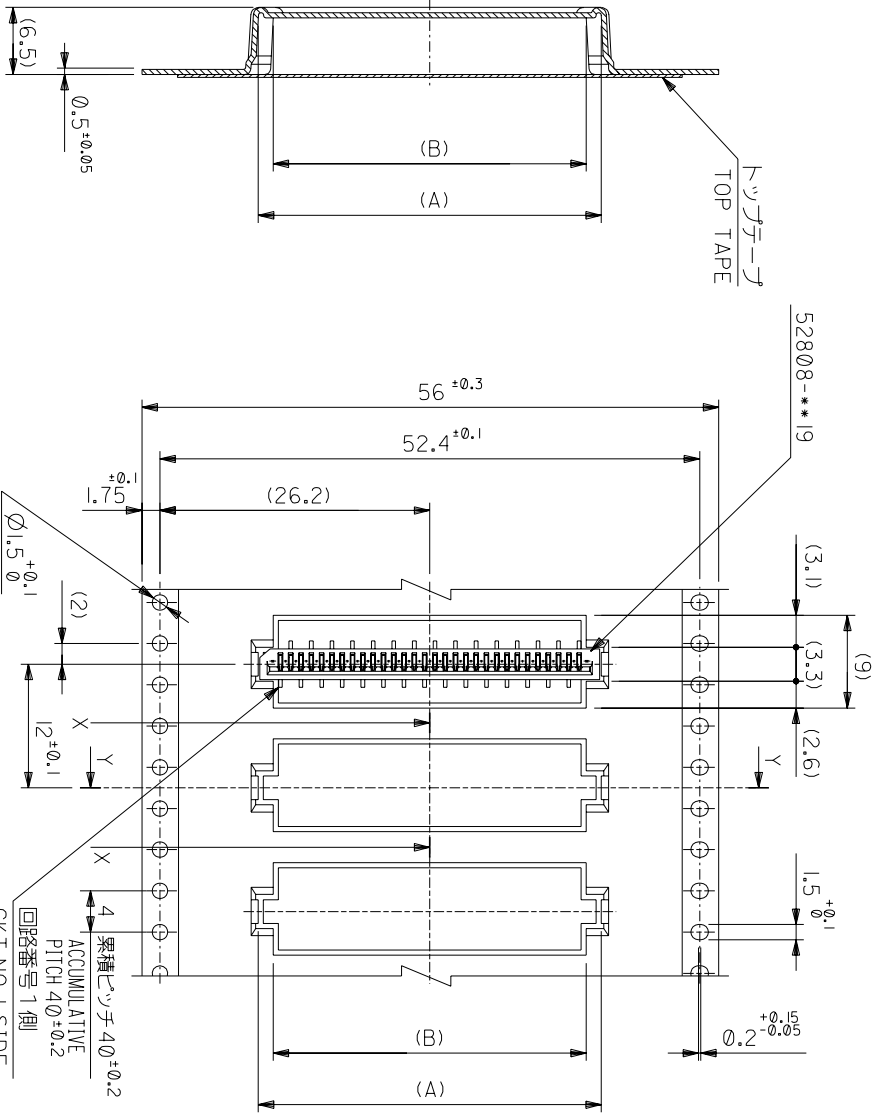
記号	変更内容	DR-CHK.	DATE
0	新規作成 (12004-2528)	M.N.	10/02/19
1	10°以下	M.S.	10/02/19
2	10°以下	M.S.	10/02/19
3	10°以下	M.S.	10/02/19
4	10°以下	M.S.	10/02/19

MODEL NO.	52808-**-70
CARRIER TAPE WIDTH	44

MATERIAL	44
REFER TO SHEET 1 OF 6	45.5

仕上げ	FINISH
適用電線範囲	—#—
線径	—#—
線径範囲	—#—
線径	—#—
線径範囲	—#—

記号	変更内容	DR-CHK.	DATE
0	新規作成 (12004-2528)	M.N.	10/02/19
1	10°以下	M.S.	10/02/19
2	10°以下	M.S.	10/02/19
3	10°以下	M.S.	10/02/19
4	10°以下	M.S.	10/02/19



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		MOLEX-JAPAN CO.,LTD.	
REFER TO SHEET 1 OF 6				MOLEX 日本モリックス株式会社	
仕上り FINISH		—#—		REVISE ONLY ON CAD SYSTEM	
適用電線範囲 WIRE RANGE		—#—		TITLE 名称	
被覆外径 INS. RANGE		—#—		1.0 FFC Conn NON ZIF SMT ST EmbstP Pkg -LEAD FREE-	
DRAWN BY 04/02/19 M.NABEI		CHK'D BY 04/02/19 M.SASAO		DWG. NO. (SHEET 6 OF 6) REV	
M.N. / M.S. / 04/02/19		M.N. / M.S. / 04/02/19		SD-52808-028 0	
DR. / CHK. / DATE		R.D. / SCALE / #			
APPROVED BY 04/02/19 M.SASAO					
REVISION RECORD		変更内容 REVISION RECORD			
L.T.R.		0			
GENERAL TOLERANCES		10.2			
10 UNDER		±0.2			
10 以上 30 UNDER		±0.5			
30 以上		±0.5			
角度 ANGLE		±30°			

Данный компонент на территории Российской Федерации

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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

Офис по работе с юридическими лицами:

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moschip.ru_9