

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0528081270

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 12 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)

12

Circuits (maximum)

12

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

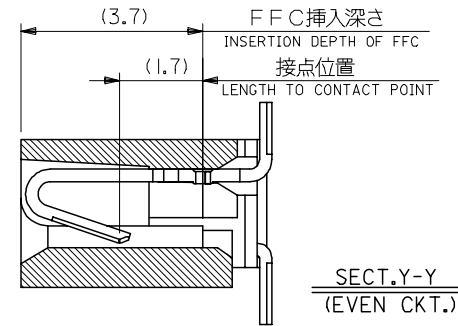
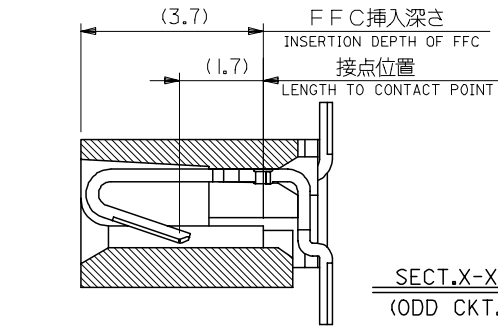
E

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

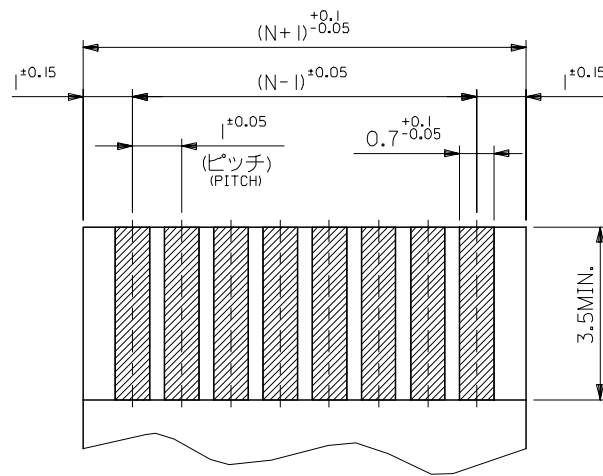
△基準面 [E] からのソルダーテールの半田付け面のズレ量は、上方向に0.1MAX. 下方向0.15MAX. とする。

MISALIGNMENT OF SOLDER TAIL FROM [E]: UPPER DIRECTION 0.1 MAX., LOWER DIRECTION 0.15 MAX.

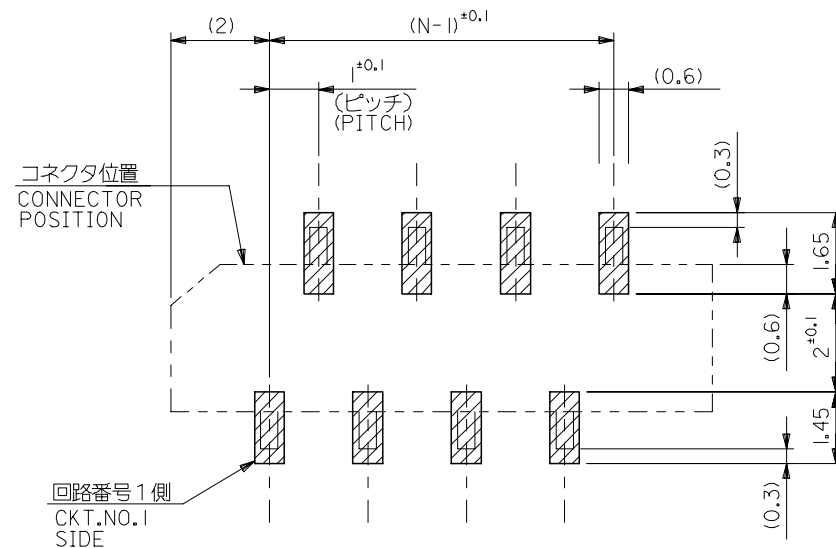
△偶数極に適用。
APPLY FOR EVEN CKT.

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									



(仕上がり厚さ $0.3 \begin{smallmatrix} +0.03 \\ -0.03 \end{smallmatrix}$)
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:

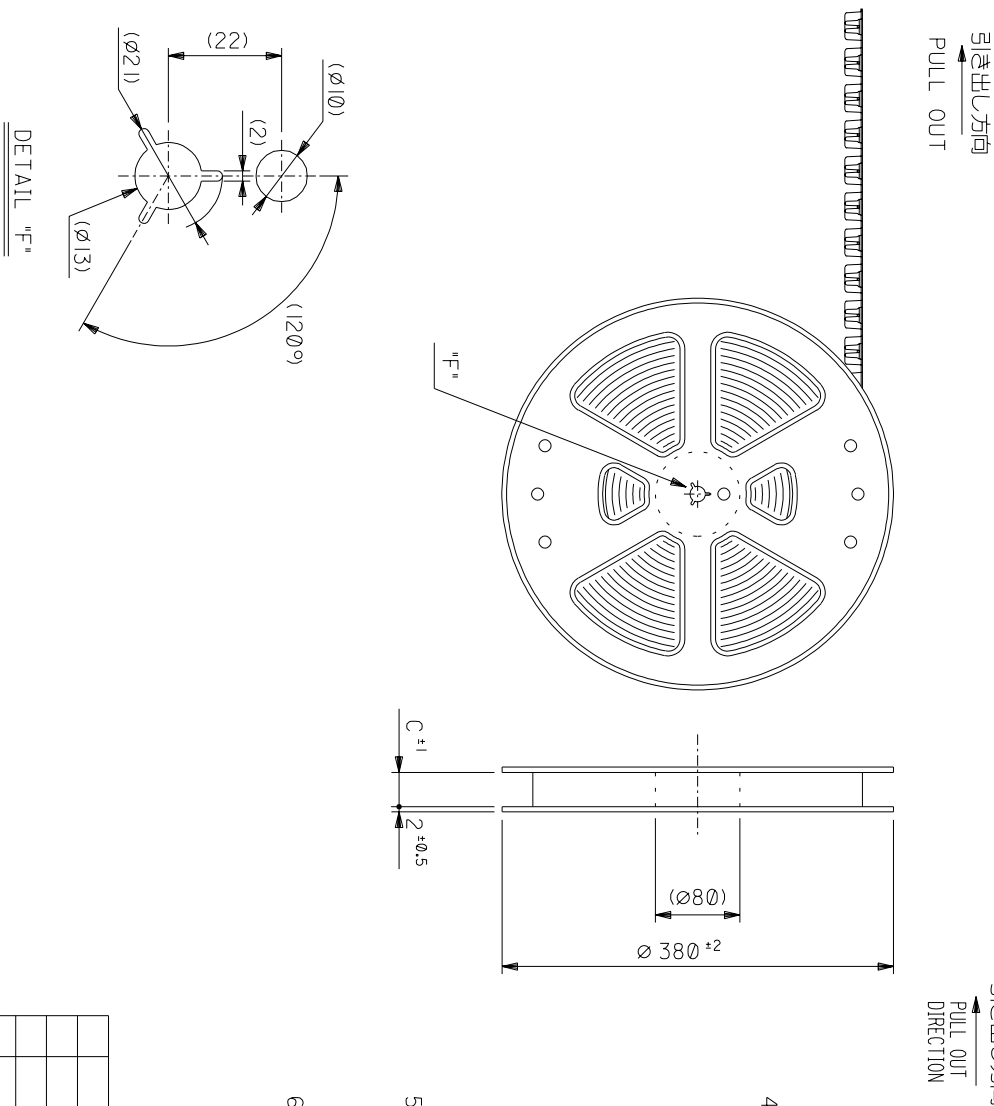
RECOMMENDED PUNCHER DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.

RECOMMENDED MATERIAL:

STIFFENER FILM: POLYIMIDE

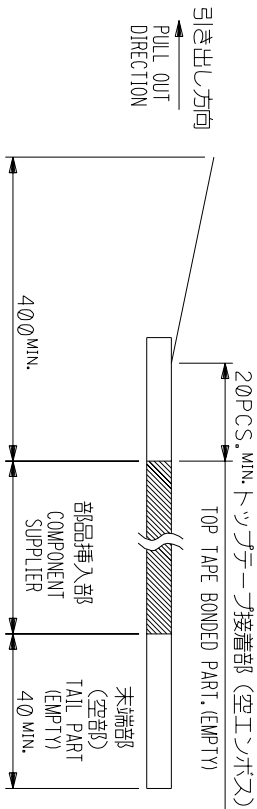
BONDING AGENT: THERMOSETTING BONDING AGENT

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. NABE I	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						

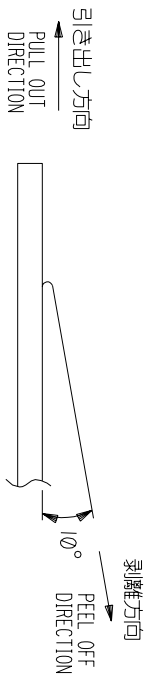


NOTES

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. トッテナーズの剥離強度: $0.1 \sim 1.3N$ (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: $0.1 \sim 1.3N$ (10 ~ 130gf)
- (PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
- THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT.
- PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.



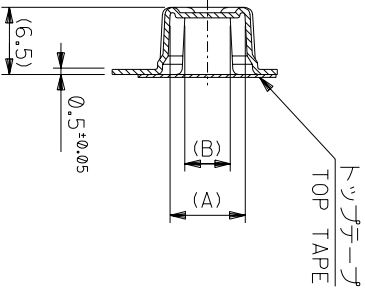
5. 材料(MATERIAL)
キャリアテープ(CARRIER TAPE): ポリプロピレン(POLYPROPYLENE)
トップテープ(TOPTAPE): PET・PE・PEF
リール(REEL): ポリスチレン(PS) <リサイクル材を含む>
ポリスチレン(POLYSTIRENPS) <RECYCLE MATERIAL CONTAINED>
6. 本製品は52808-＊＊900の鉛フリップである。
THIS PRODUCT IS LEAD FREE OF 52808-＊＊90

52808-***70	
MODEL NO.	
 MOLEX-JAPAN CO.,LTD. (MOLEX) 日本モリス株式会社	
REVISE ONLY ON CAD SYSTEM	
TITLE 名称 1.0 FFC Conn NON ZIF SMT ST Embd+D PKg -LEAD FREE-	
DWG. NO. SD-52808-028	(SHEET 1 OF 6) REV 0

4
3
2
1

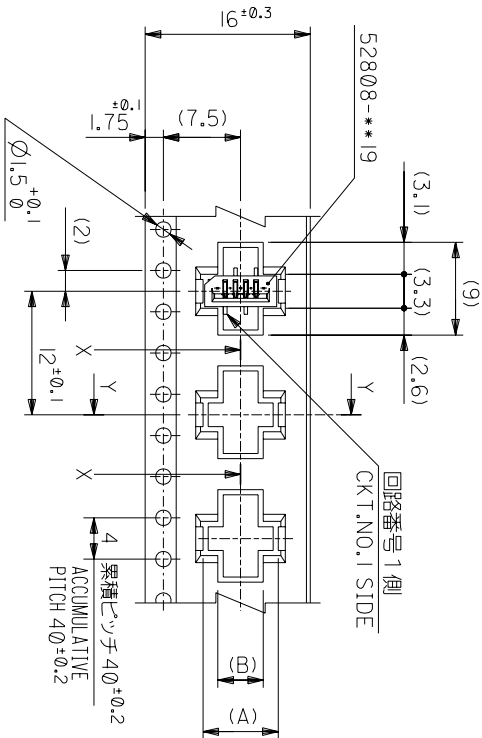
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX(CORP) AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
EN-01C(032)MXJ-32

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。

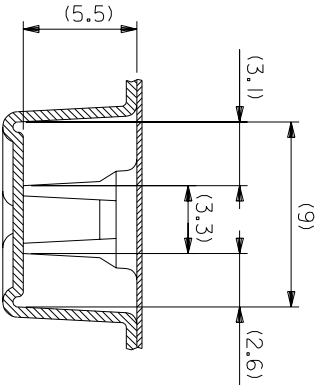


SECT:Y-Y

1 6mm幅キヤリテープ
16mm WIDTH CARRIER TAPE

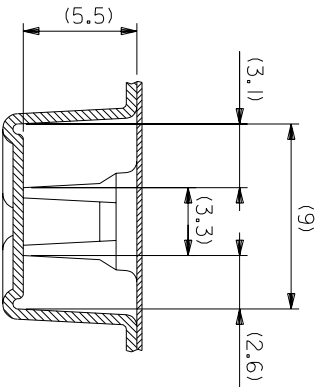
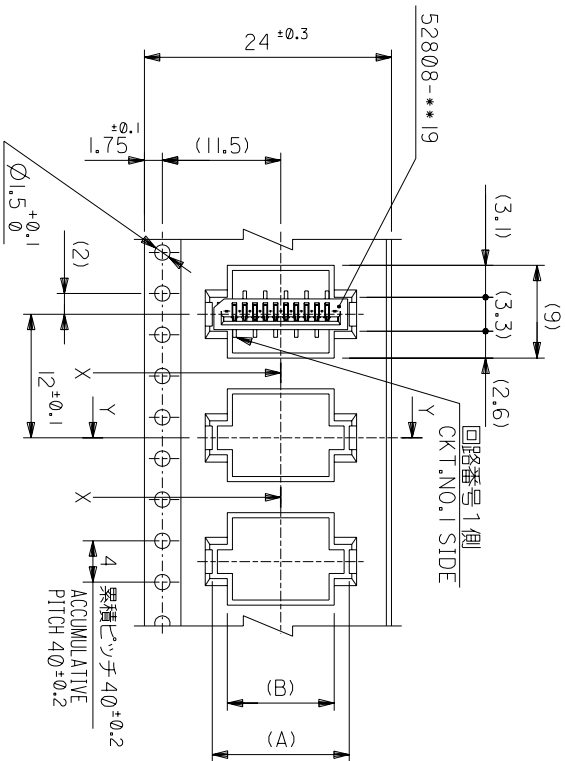
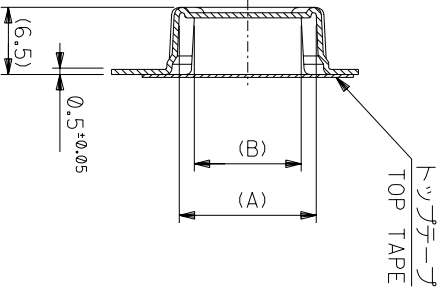


引き出し方向
PULL OUT DIRECTION



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

52808-**-70		16		17.5	5.4	8.3	52808-0570	5
MODEL NO.		キヤリテープ幅		CARRIER TAPE WIDTH	C	(B)	(A)	極数 CKT.
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		1.0 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.		SD-52808-028		(SHEET 2 OF 6)		REV		
GENERAL TOLERANCES		角 度		ANGLE		°30		
		30 OVER		30 OVER		±0.2		
		10 OVER		10 OVER		±0.25		
		10 UNDER		10 UNDER		±0.2		
		記号		REVISION RECORD		DR-CHK. DATE		
		0		新規作成 (12004-2528)		M.NABEI		
				変更内容		M.SASAO		
				LTR		M.SASAO		



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

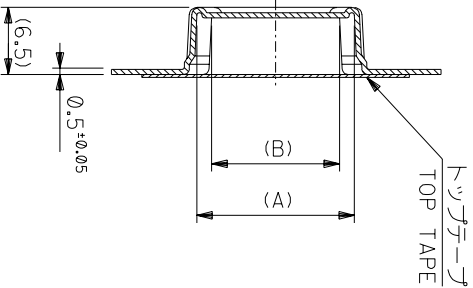
SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

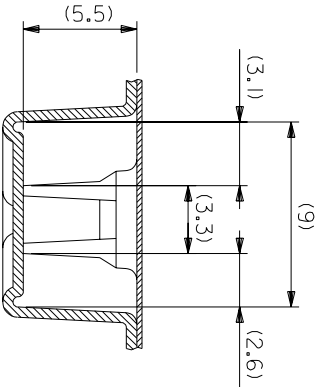
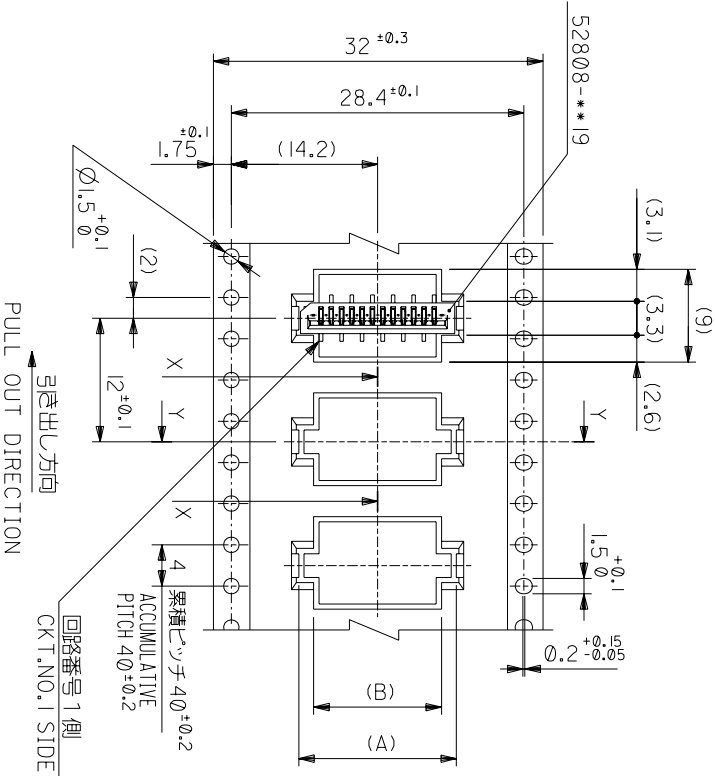
24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

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		MOLEX-JAPAN CO.,LTD.	
REFER TO SHEET 1 OF 6				MOLEX 日本モリックス株式会社	



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°
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

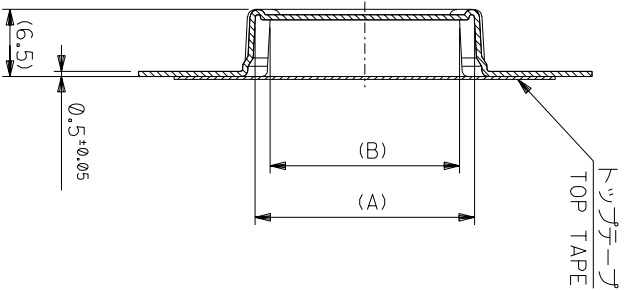
材料
MATERIAL SHEET 1 OF 6 参照
REFER TO SHEET 1 OF 6

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

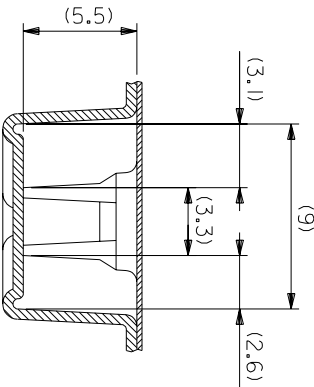
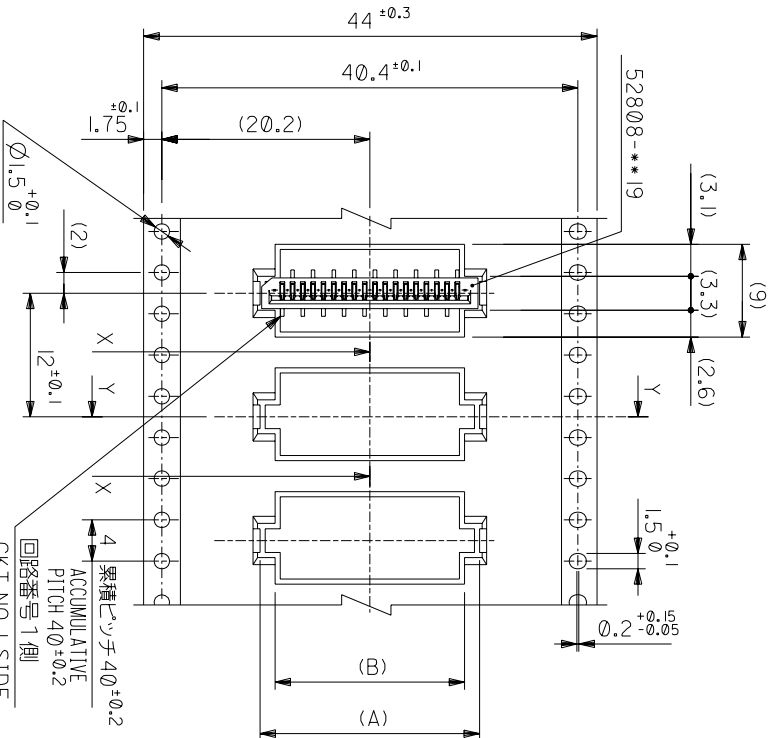
DRAWN BY M/W/2/9 CHK'D BY M/W/2/9
M.NABEI
M.SASAO

尺
SCALE
M.SASAO

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



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.	M.S.	10/02/19
0	参照	M.N.	M.S.	10/02/19
0	参照	M.N.	M.S.	10/02/19
0	参照	M.N.	M.S.	10/02/19

MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	種数 CKT.
52808-**-70	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

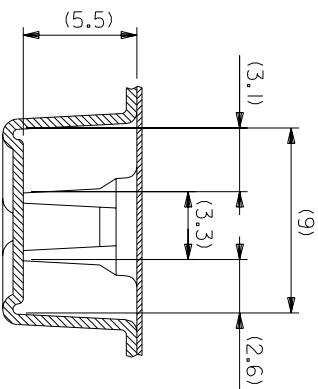
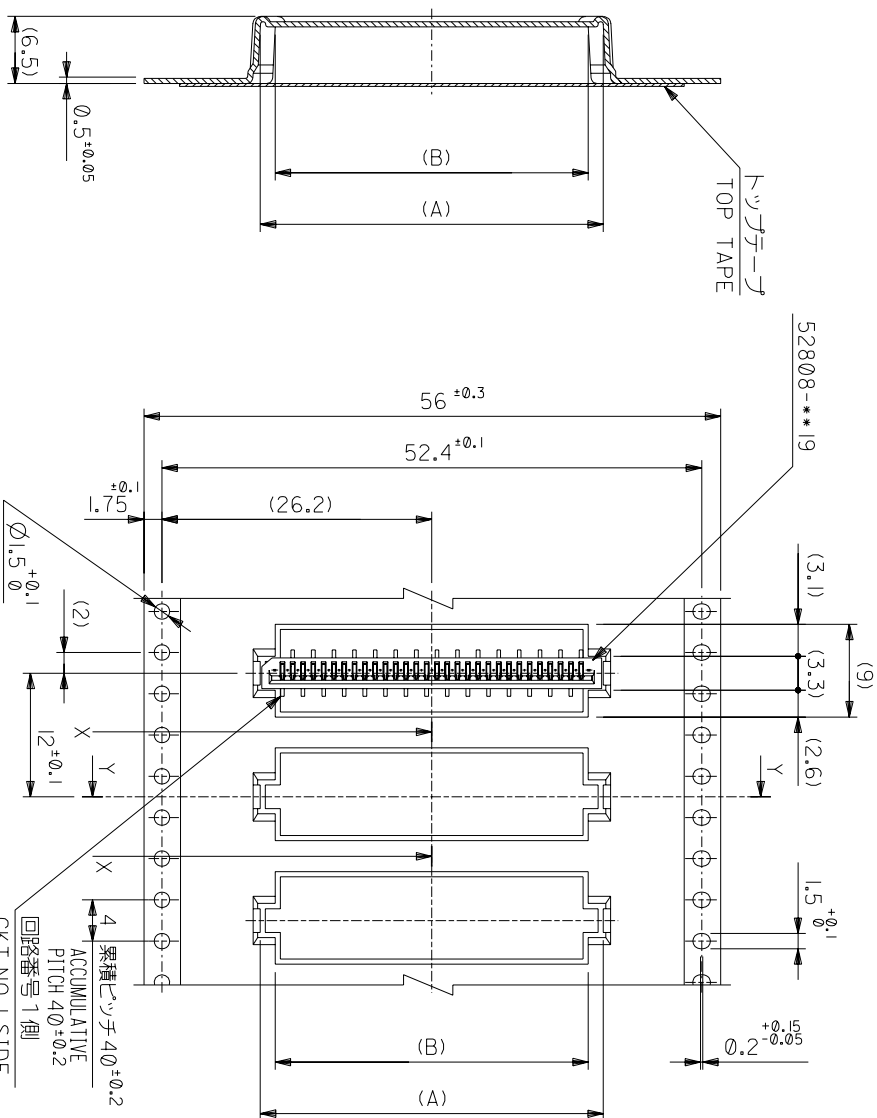
材料
MATERIAL SHEET 1 OF 6 参照
REFER TO SHEET 1 OF 6

仕上げ
FINISH

適用電線範囲
WIRE RANGE

検査外径
INS. RANGE

DRAWN BY 10/02/19 CHK'D BY 10/02/19
M.NABEI M.SASAO



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

SECT:Y-Y

56mm幅キヤリテータ

56mm WIDTH CARRIER TAPE

	56	57.5	30.4	33.3	52808-3070	30
MODEL NO.	キヤリアー幅 CARRIED TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 C.T.
52808-**70			29.4	32.3	52808-2970	29

角度 ANGLE	3°		適用電線範圍 WIRE RANGE	—#—	TITLE 名稱 I.O FFC 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		被覆外徑 INS. RANGE	—#—					
10 以上 30 UNDER	±0.3		DRAWN BY 04/02/9 M.VANBEI	CHK'D BY 04/02/9 M.SASAO					
10 UNDER	±0.2		M.N.	M.S				04/02/9	
GENERAL TOLERANCES	0		新製/作成 (J2004-2520)	變更內容 REVISION RECORD				DATE	DRG. CHK.
一般公差	LTR		REVISION RECORD	APPROD BY 04/02/9 M.SASAO				SCALE	#

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 EN-01C(0321MX)-32

Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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.

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На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

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Факс: +7 495 668-12-70 (доб.304)

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