

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0528082170

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 21 Circuits, Lead-free

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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)

21

Circuits (maximum)

21

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

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F

E

D

C

B

A

F

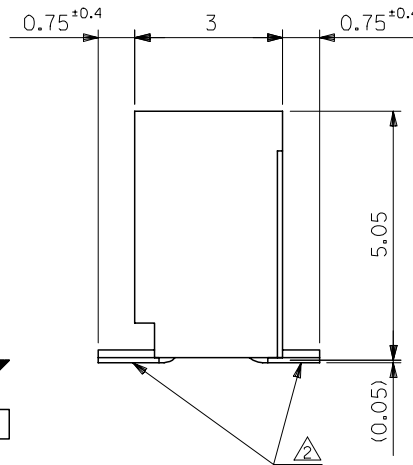
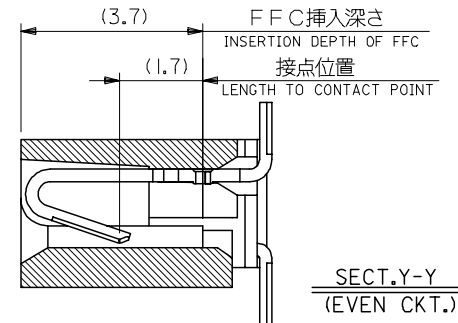
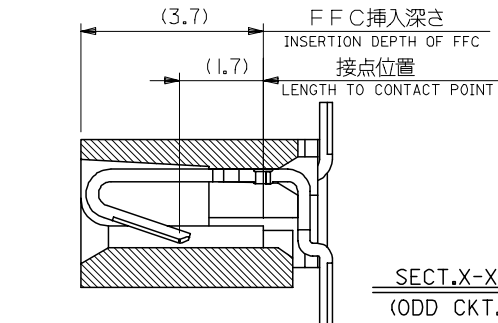
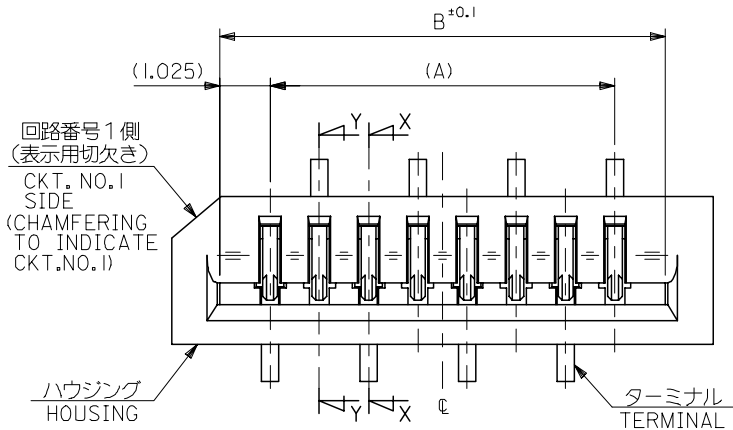
E

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

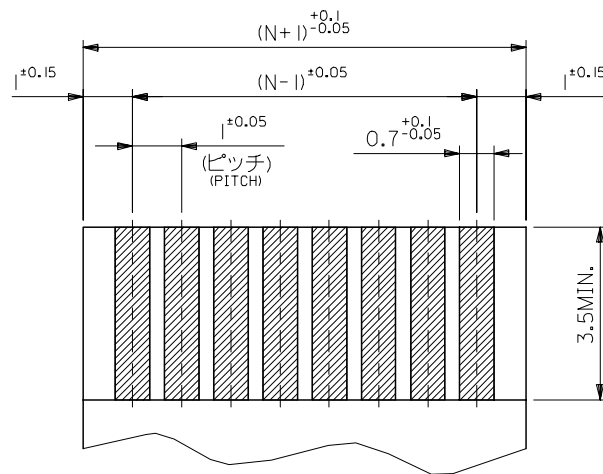
△2 基準面 [E] からのソルダーテールの半田付け面のズレ量は、上方向に0.1MAX. 下方向0.15MAX. とする。

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

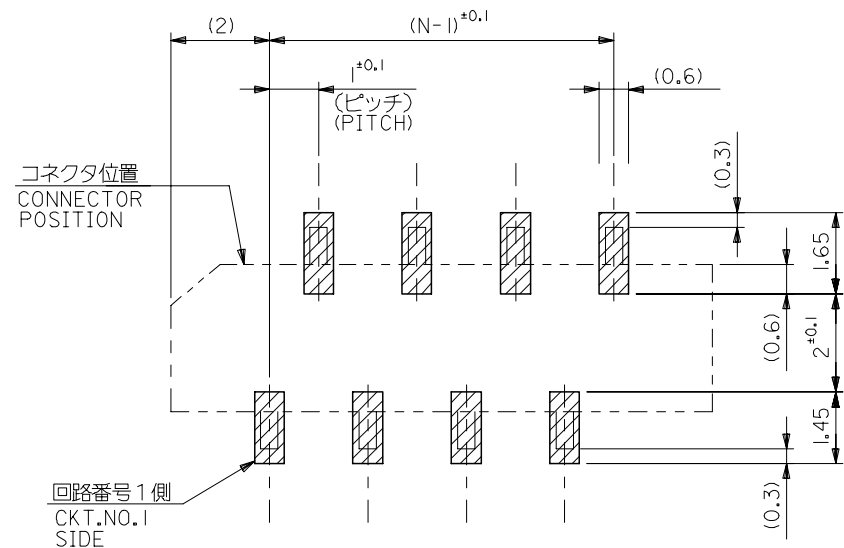
△3 偶数極に適用。
APPLY FOR EVEN CKT.

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 DRAWN: NABE1 CHKD: KTOYODA 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:

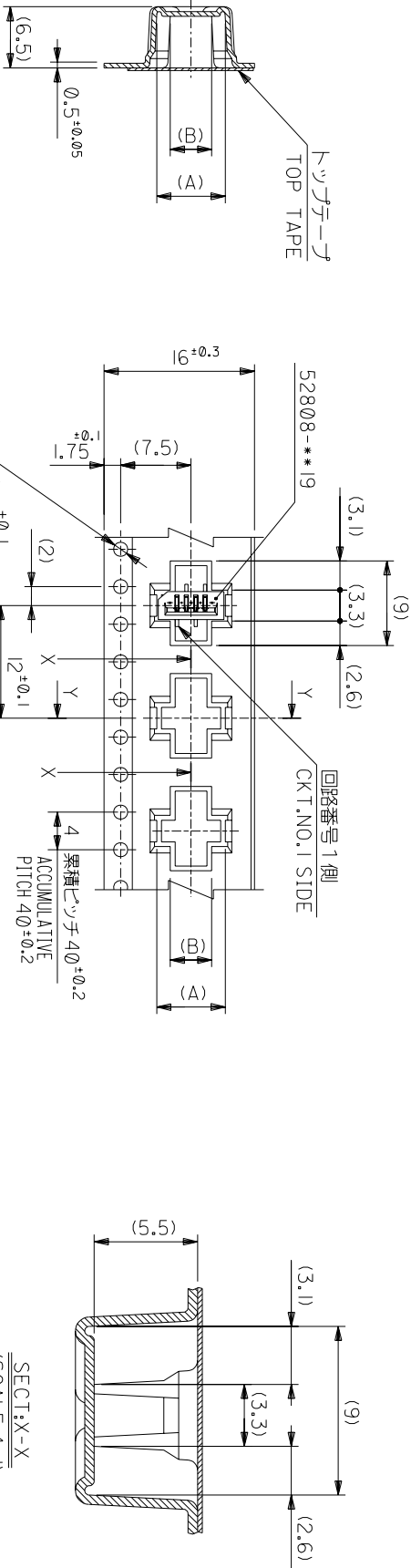
RECOMMENDED PUNCHER DIRECTION: FROM CONDUCTOR SIDE TO STIFFENER BOARD SIDE.

RECOMMENDED MATERIAL:

STIFFENER FILM: POLYIMIDE

BONDING AGENT: THERMOSETTING BONDING AGENT

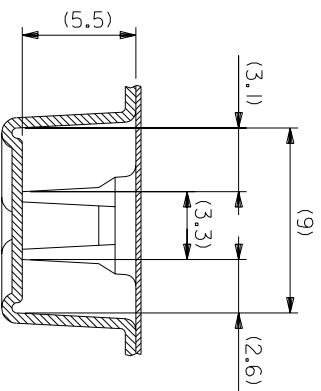
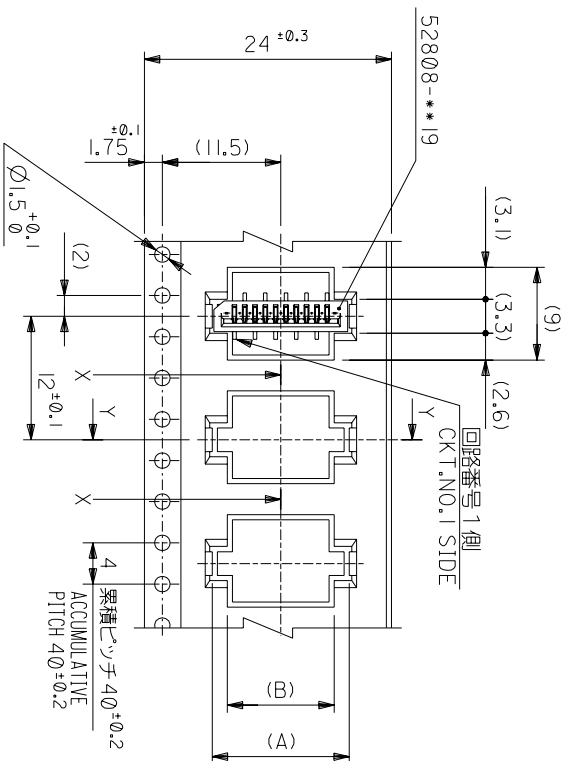
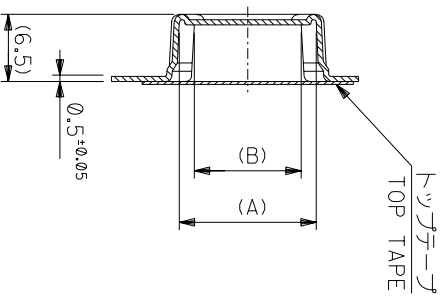
REVISED EC NO: J2006-1497 DRAWN:MABEL CHKD:KTOYODA APPR:NUKITA	2005/11/04 2005/11/07 2005/11/11	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
			10 UNDER	±0.2	DRAWN BY M.NABE I	DATE '04/02/19	TITLE 1.0 FFC CONN. NON 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			
A	REV			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



SECT:Y-Y
PULL OUT DIRECTION
引き出し方向

16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

52808-**-70		16		17.5	5.4	8.3	5.2808-0570	5
MODEL NO.		キャリアテープ幅 CARRIER TAPE WIDTH		C	(B)	(A)	52808-0470	4
		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	種数 CKT.	
		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 SMT ST Embstd PKg -LEAD FREE-		
		検査外径 INS. RANGE		—#—				
		DRAWN BY 04/02/19 M.NABEI		CHK'D BY 04/02/19 M.SASAO		DWG. NO. SD-52808-028	(SHEET 2 OF 6) REV	
		APPR'D BY 04/02/19 M.SASAO		尺度 SCALE —#—				
		記号 LTR		0				
		新規作成 REVISION		(12004-2528)				
		変更内容 REVISION RECORD						
		DR- CHK.		M.N. M.S.				
		04/02/19		04/02/19				
		DATE						
		GENERAL TOLERANCES						
		角 度 ANGLE		±3°				
		30 以上 30 DEGREE		±0.2				
		10 00FEET 30 未満 10 00FEET 30 UNDER		±0.25				
		10 未満 10 UNDER		±0.2				



SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

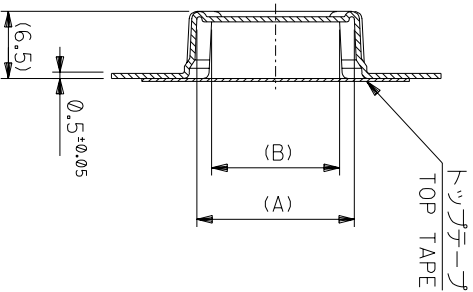
24mm幅キヤリアテープ

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 CARTER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 Ckt.

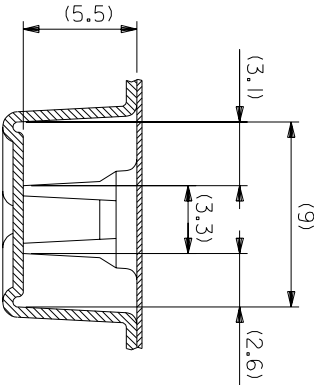
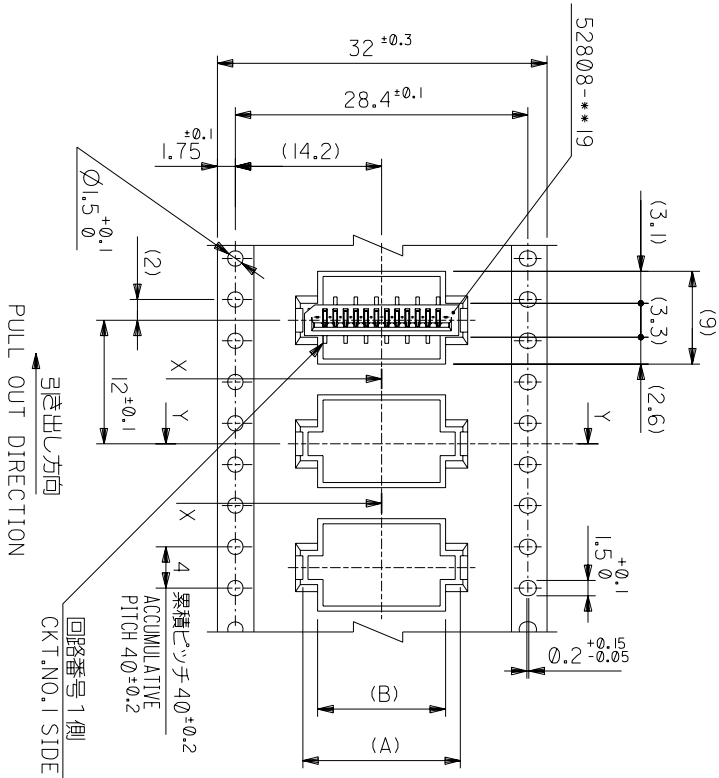
材料		SHEET 1 OF 6 参照		MOLEX-JAPAN CO.,LTD.	
MATERIAL		REFER TO SHEET 1 OF 6		MOLEX 日本モリス株式会社	
仕上げ		—#—		TITLE 名称	
FINISH		適用線幅範囲		I.O FFC Conn NON ZIF	
WIRE RANGE		—#—		SMT ST Embd+D PKg	
被覆外皮		—#—		-LEAD FREE-	
INS. RANGE		DRAWN BY 04/02/9		DWG. NO. (SHEET 3 OF 6) REV	
M.S. 04/02/9		CHK'D BY 04/02/9		SD-52808-028 0	
M.ABEL		M.SASAO			
APP'D BY 04/02/9		SCALE —#—			
M.SASAO					
DATE					
CHK					
DR.					
REVISION RECORD					
記号					
LTR					
—般公差					
GENERAL TOLERANCES					
10 UNDER		0			
10 COVER		±0.25			
30 COVER		±0.3			
30 OVER		±0.3			
ANGLE		±3°			

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 EN-01C032MXJ-32



SECT:Y-Y

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE



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

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 10F 6 参照
REFER TO SHEET 10F 6

仕上げ
FINISH —#—

適用電線範囲
WIRE RANGE —#—

絶縁外径
INS. RANGE

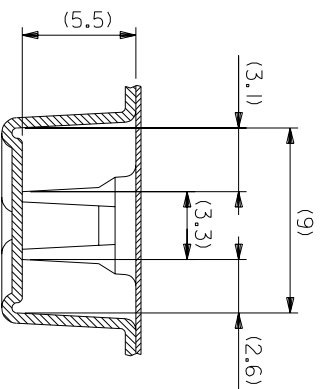
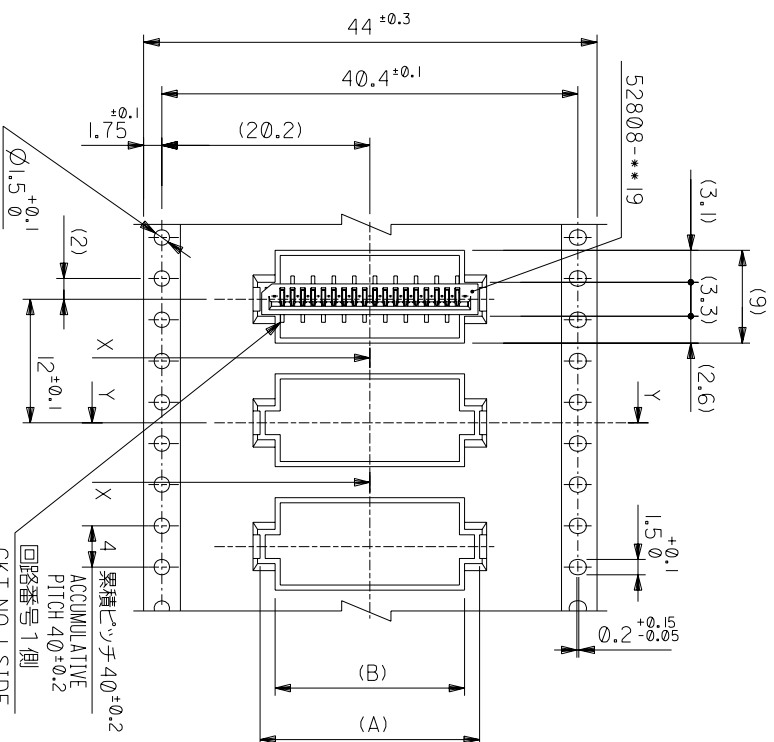
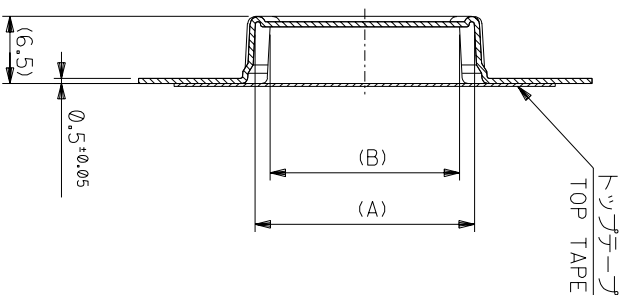
DRAWN BY 04/02/19 CHK'D BY 04/02/19
M.NABEI M.SASAO

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

記号 LTR	変更内容 REVISION RECORD	DR- CHK.	日付 DATE
0	新規作成 (12004-2528) RELEASE	M.N. M.S.	04/02/19

記号 LTR	変更内容 REVISION RECORD	DR- CHK.	日付 DATE
0	新規作成 (12004-2528) RELEASE	M.N. M.S.	04/02/19



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

SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

10.1 SIDE

44mm幅キヤリテージ

	C	(B)	(A)	MATERIAL NO.	極数 Ckt.
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		SHEET 1 OF 6 参照		MOLEX-JAPAN CO.,L.TD.	
REFER TO SHEET 1 OF 6				MOLEX 日本モレックス株式会社	
仕上げ		—#—		REVISE ONLY ON CAD SYSTEM	
FINISH				TITLE 名称	
適用電線範囲		—#—		1.0 FFC Conn NON ZIF	
WIRE RANGE				SMT ST Embstd Pkg	
被覆外径		—#—		-LEAD FREE-	
INS. RANGE				DWG. NO. (SHEET 5 of 6) REV	
DRAWN BY 04/02/19		CHK'D BY 04/02/19		SD-52208-028 0	
M.N.ABEL		M.SASAO			
RELEASED					
M.N.		04/02/19			
M.S.					
DR.		DATE			
CHK		SCALE			
M.SASAO		—#—			
APP'D BY 04/02/19					
GENERAL TOLERANCES					
— 一般公差 —					
記号		変更内容			
LTR		REVISION RECORD			
0		(12/004-2528)			
10 UNDER		新規作成			
10 OVER		0.25			
30 OVER		0.3			
30以上		0.3			
角度 ANGLE		-3°			

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 EN-01C0321MX-J-32

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Офис по работе с юридическими лицами:

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