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Part Number:

0528081570

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 15 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)

15

Circuits (maximum)

15

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

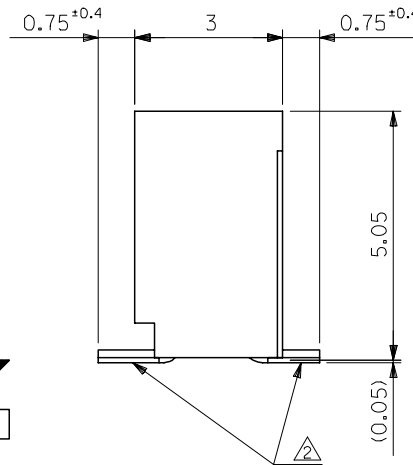
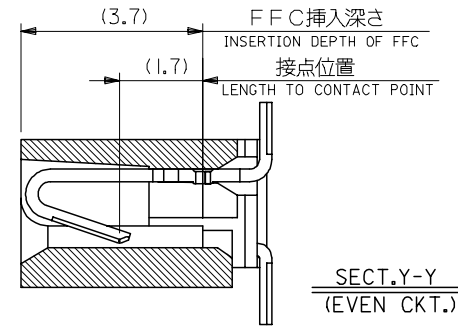
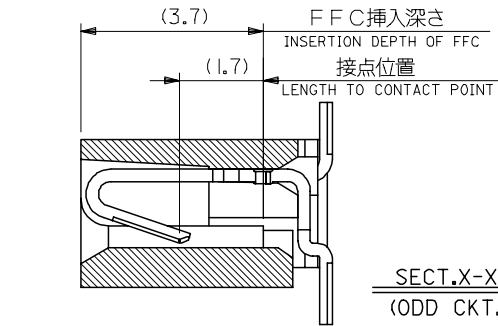
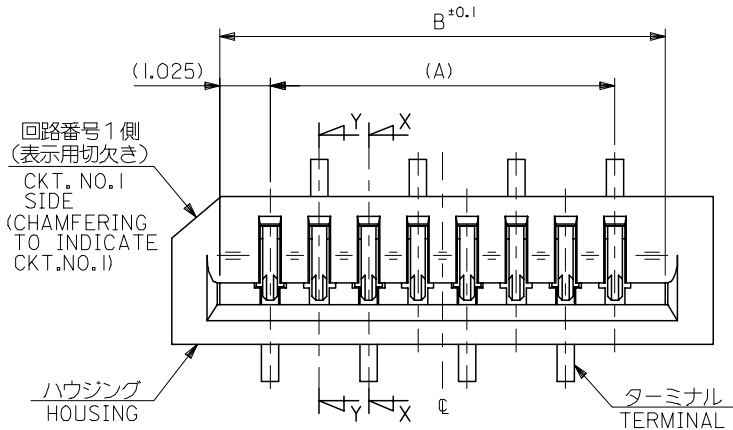
E

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: ニッケル下地鍍ピスマスメッキ

PLATING: TIN-BISMUTH OVER NICKEL

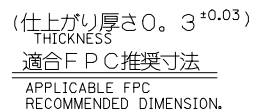
△2 基準面 [E] からのソルダーテールの半田付け面のズレ量は、上方向に0.1MAX. 下方向0.15MAX. とする。

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

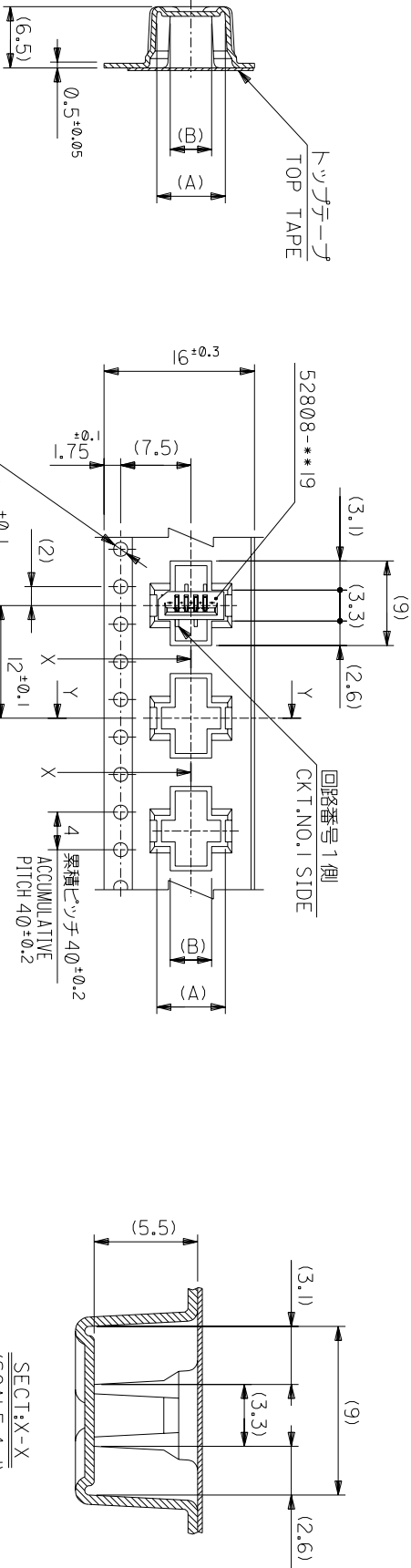
52808-***19		C	B	A	MATERIAL NO.	極数 CIRCUIT
MODEL NO.						
DIMENSION STYLE MM ONLY			SCALE ---	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
DRAWN BY M. NABE I	DATE '04/02/19	TITLE 1.0 FFC CONN. NON ZIF SMT. ST. -LEAD FREE-				
CHECKED BY M. SASAO	DATE '04/02/19					
APPROVED BY M. SASAO	DATE '04/02/19					
				MOLEX INCORPORATED		
MATERIAL NO. SEE CHART			DOCUMENT NO. SD-52808-027			SHEET NO. 1 OF 1
SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



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。

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

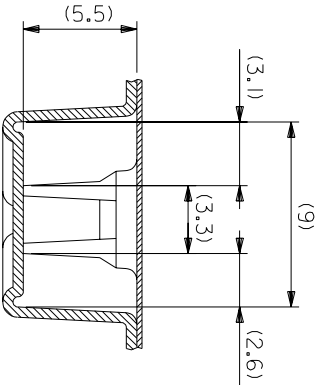
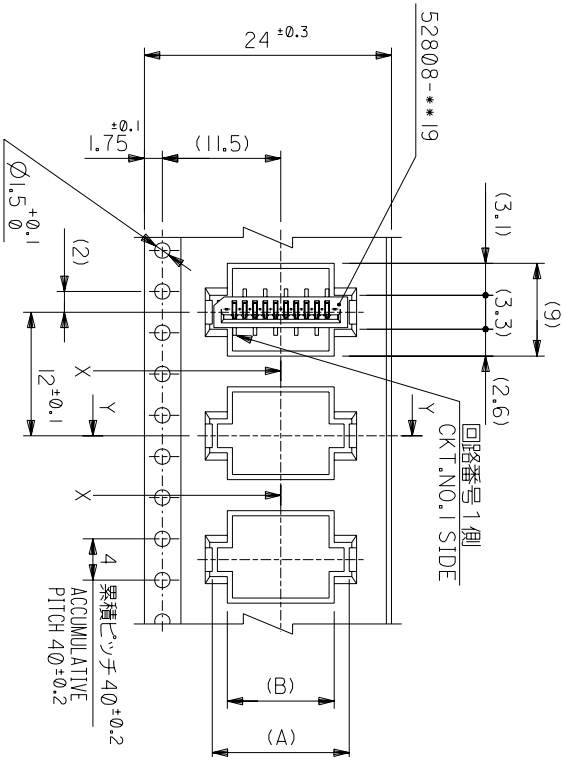
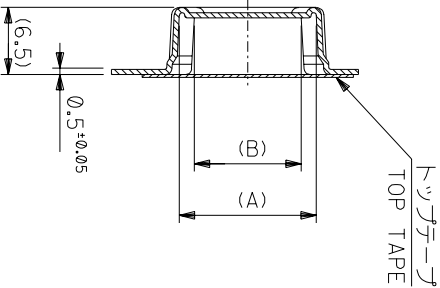
REVISED EC NO: J2006-1497 DRAWN: NABEI CHKD: KTOYODA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	M. NABEI	DATE '04/02/19	TITLE 1.0 FFC CONN. NON ZIF SMT. ST. -LEAD FREE-				
		10 OVER 30 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		
	A	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



SECT:Y-Y

16mm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)	MATERIAL NO.	極数 CKT.
		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 04/02/19 CHK'D BY 04/02/19 M.NABEI M.SASAO		尺 SCALE				
		DWG. NO. SD-52808-028		(SHEET 2 OF 6) REV				
記号 LTR		0		新規作成 (12004-2528) REVISION RECORD				
GENERAL TOLERANCES		角 度 ANGLE		±3°				
		30 OVER		±0.2				
		10 OVER 30 UNDER		±0.25				
		10 UNDER		±0.2				

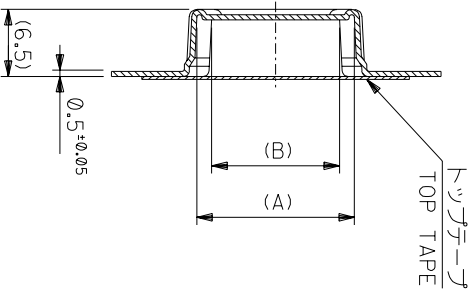


SECT:X-X
(SCALE:4-1)

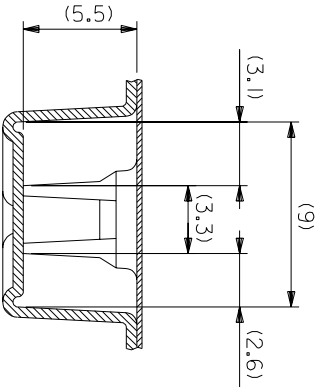
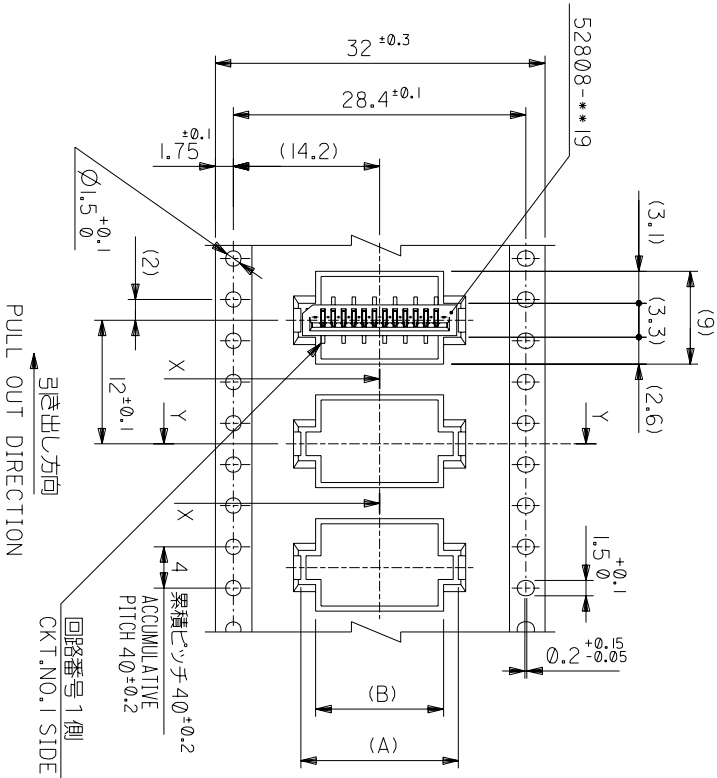
SECT:Y-Y

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.		キャリアテープ幅 CARRIER TAPE WIDTH		C		(B)		(A)	
		材料 MATERIAL		SHEET 1 OF 6 参照 REFER TO SHEET 1 OF 6				MOLEX-JAPAN CO.,LTD. molex 日本モリス株式会社	
		仕上げ FINISH		—#—				REVISE ONLY ON CAD SYSTEM	
		適用電線範囲 WIRE RANGE		—#—				TITLE 名称 I.O FFC Conn NON ZIF	
		被覆外径 INS. RANGE		—#—				SMT ST Emb+D PKg	
		DRAWN BY 04/02/9		CHK'D BY 04/02/9				DWG. NO. (SHEET 3 OF 6) REV	
		M.NABEI		M.SASAO				SD-52808-028	
		M.SASAO		SCALE —#—				0	
GENERAL TOLERANCES		角 度 ANGLE		±3°					
		30 以上		±0.2					
		10 以下 30 未満		±0.25					
		10 未満		±0.2					
		記号		新規格作成 (12004-2528)					
		LTR		REVISION RECORD					
		DR-CHK.		DATE					



SECT:Y-Y



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

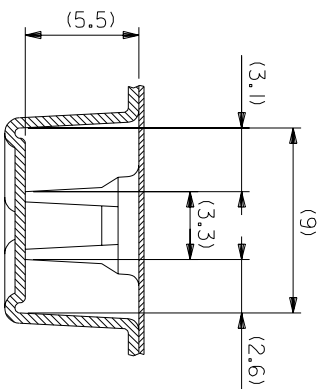
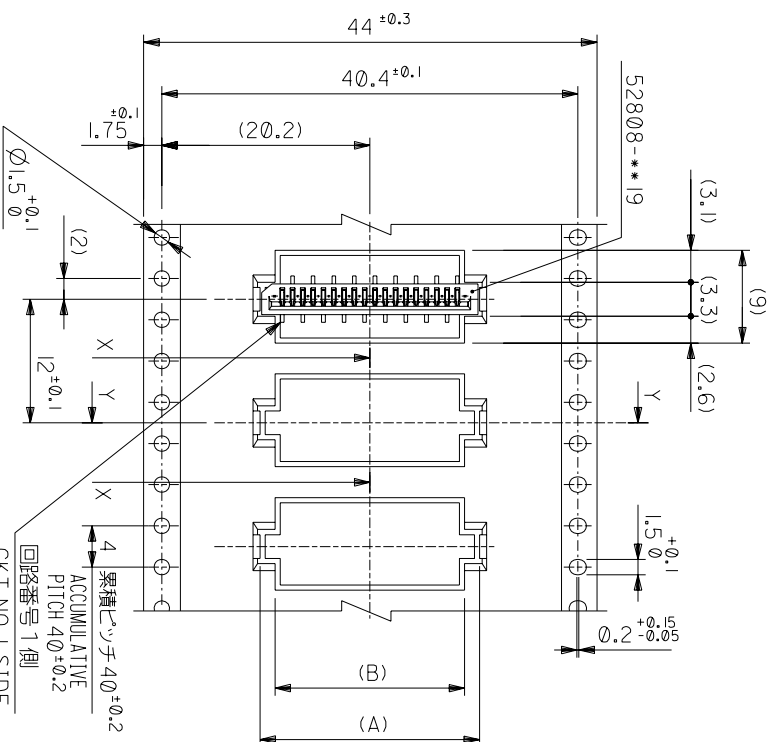
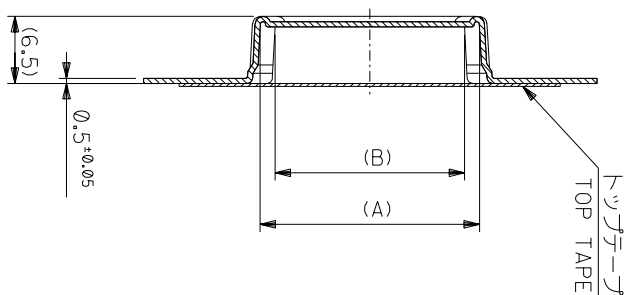
32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE

MODEL NO.	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	MOLEX-JAPAN CO.,LTD. molex 日本モリス株式会社
仕上げ FINISH	—#—	REVISE ONLY ON CAD SYSTEM
適用電線範囲 WIRE RANGE	—#—	
絶縁外径 INS. RANGE		
DRAWN BY 04/02/19 M.NABEI	CHK'D BY 04/02/19 M.SASAO	DWG. NO. (SHEET 4 OF 6) REV
APP'D BY 04/02/19 M.SASAO	SCALE —#—	SD-52808-028

角度 ANGLE	30°以上 30° OVER	未達 未達 10° OVER 30° UNDER
30°	10.2	10.25
10°	10.2	10.25

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



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

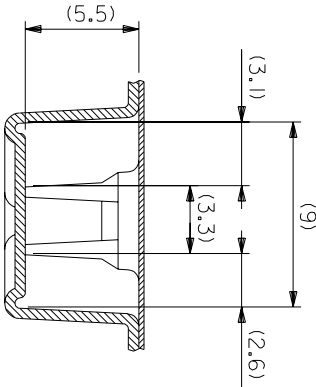
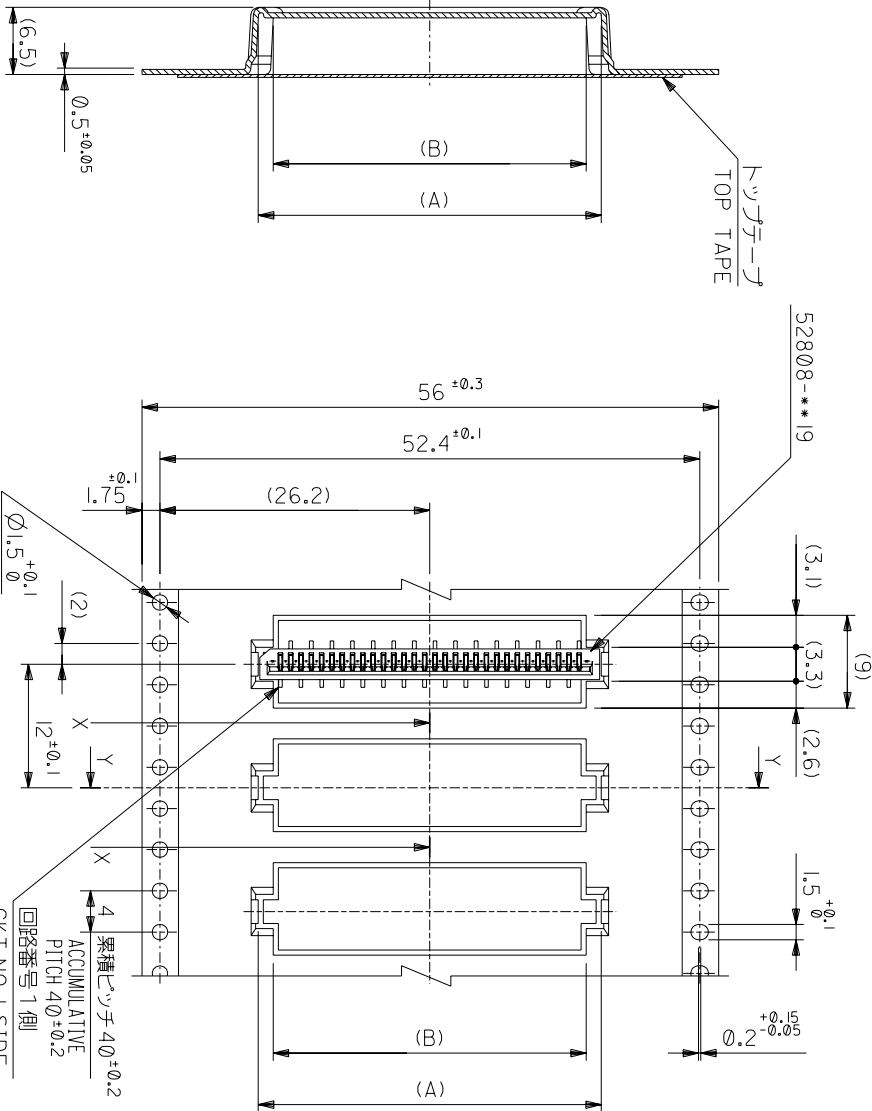
SECT:Y-Y

44mm幅キヤリテージ

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			
52808-70			16.4	19.3	52808-1670	16
MODEL NO.	キヤリ-テープ CARRIER TAPE WIDTH	C				種数 CKT.

 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.NABEL 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		記号 LTR 変更内容 REVISION RECORD DR. CHK. DATE		APPRO'D BY 04/02/19 尺度 SCALE M.SASAO	
一般公差 GENERAL TOLERANCES		0		REV	

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 EN-01C032MXJ



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

SECT:Y-Y

56mm幅キャリアテープ

56mm WIDTH CARRIER TAPE

52808-**-70		56		57.5		30.4		33.3		52808-3070		30	
MODEL NO.		キャリアテープ幅		C		(B)		(A)		MATERIAL NO.		種数	
52808-**-70		56		57.5		30.4		33.3		52808-3070		30	
MATERIAL		SHEET 1 OF 6 参照		REFER TO SHEET 1 OF 6									
FINISH		—#—											
適用電線範囲		—#—											
INS. RANGE		—#—											
DRAWN BY		CHK'D BY											
M.NABEI		M.SASAO											
DWG. NO.		(SHEET 6 OF 6) REV											
SD-52808-028													