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Part Number: [0528082570](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 25 Circuits, Lead-free

General

Product Family	FFC/FPC Connectors
Series	52808
Overview	ffc_fpc_smt
Product Name	N/A
Physical	
Circuits (Loaded)	25
Circuits (maximum)	25
Color - Resin	Natural
Contact Position	N/A
Durability (mating cycles max)	10
Entry Angle	N/A
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
Sales Drawing	SD-52808-027, SD-52808-028

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

China RoHS



Not Reviewed

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](#)

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F

E

D

C

B

A

F

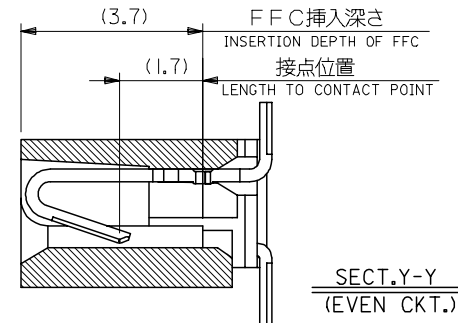
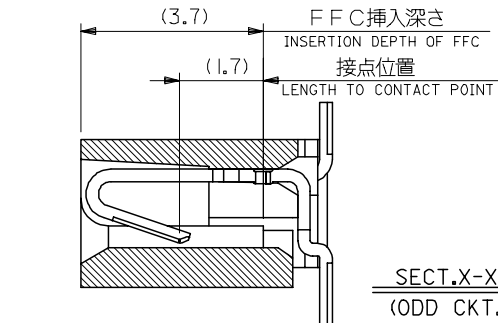
E

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

△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.

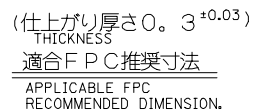
△偶数極に適用。

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							

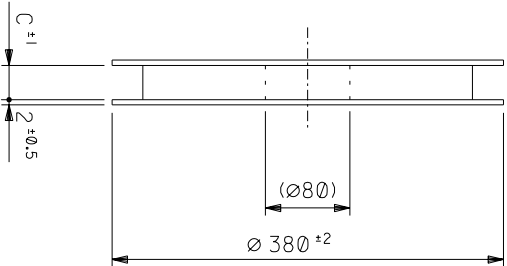
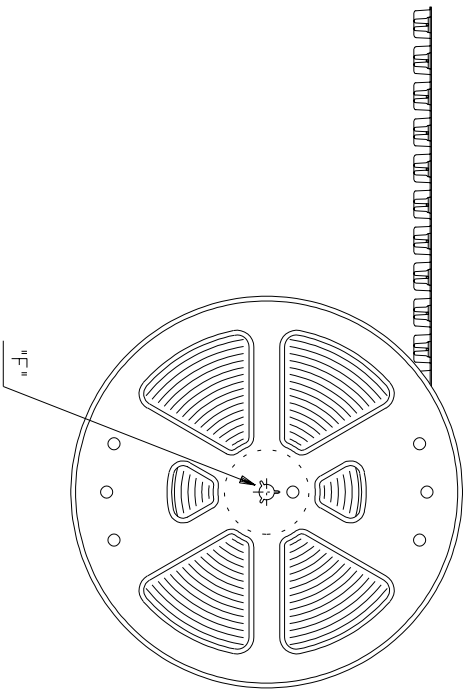


打抜き方向は、導体側から補強板側を推奨いたします。
補強フィルム材質は、ポリイミドを推奨いたします。
接着剤は、熱硬化接着剤を推奨いたします。

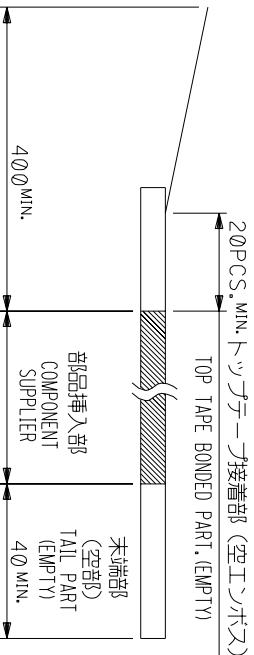
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : TERMOSETTING BONDING AGENT

REVISED EC NO: J2006-1497 DRAWN: NABEI CHK: KIKUYODA 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	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	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

引き出し方向
PULL OUT
DIRECTION



引き出し方向
PULL OUT
DIRECTION



NOTES

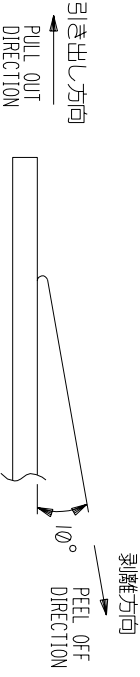
- 製品詳細寸法については図面 SD-52808-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-52808-027
- 梱包数量: 1000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
- リールテープ長さ LEAD TAPE LENGTH
20PCS. MIN. リールテープ接着部 (空エンボス)

4. トッパテープの剥離強度: 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.

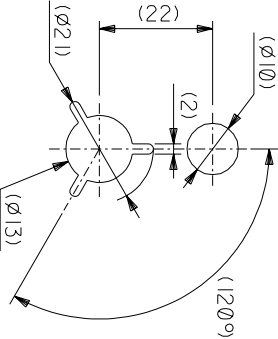


5. 材料(MATERIAL)

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
リール(REEL): ポリスチレン(PS) <リサイクル材を含む>
POLYSTYREN(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

DETAIL "F"



角度	ANGLE
30°以上	±3°
10°以下	±0.3
30°以下	±0.25
10°以下	±0.2

材料	注記参照	材料	注記参照
MATERIAL	SEE NOTES	MATERIAL	SEE NOTES
仕上げ	FINISH	仕上げ	FINISH
適用電線範囲	—	適用電線範囲	—
密着外径	—	密着外径	—
INS. RANGE	—	INS. RANGE	—
DRAWN BY	W/M/2/9	CHK'D BY	W/M/2/9
APP'D BY	M/NABEI	SCALE	M/SASAO
REVISION	RECORD	DR. CHK.	DATE
0	新規作成	0	新規作成
1	変更内容	1	変更内容
2	12004-2528	2	12004-2528
3	12004-2528	3	12004-2528
4	12004-2528	4	12004-2528

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日本モリス株式会社

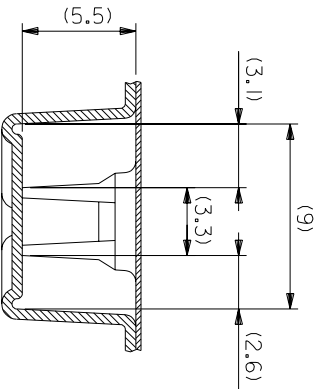
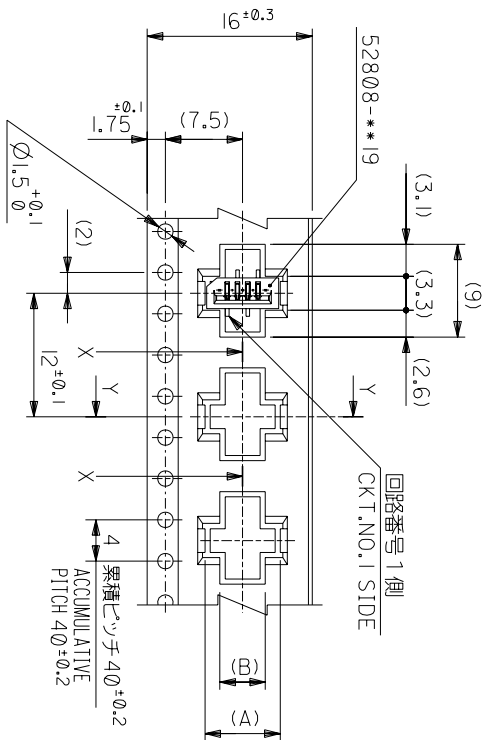
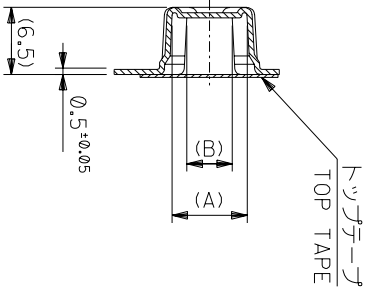
REVISE ONLY ON CAD SYSTEM

TITLE 名称

1.0 FFC Conn NON ZIF

SMT ST Embstd Pkg

-LEAD FREE-

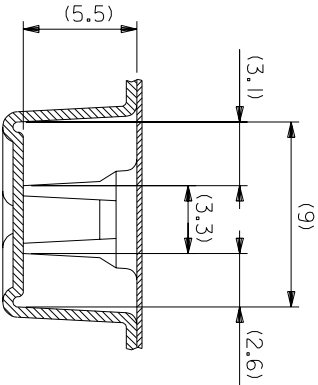
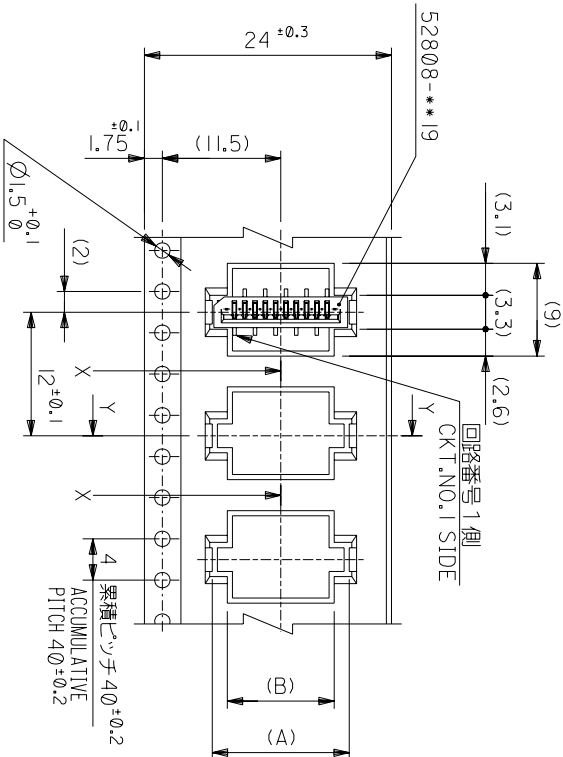
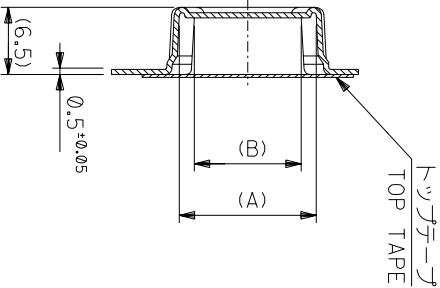


SECT:Y-Y
引き出し方向
PULL OUT DIRECTION

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)	MATERIAL NO. 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		—#—						
適用電線範囲 WIRE RANGE		—#—						
被覆外径 INS. RANGE		—#—						
DRAWN BY 04/02/19 M.NABE1		CHKD BY 04/02/19 M.SASAO		DWG. NO. (SHEET 2 OF 6) REV				
DR. / DATE APP'D BY 04/02/19 M.SASAO		尺度 SCALE		SD-52808-028 0				
角度 ANGLE	±3°	TITLE 名称						
30 以上	±0.3	1.0 FFC Conn NON ZIF						
10 以上 30 以下	±0.35	SMT ST Embstd PKG						
10 未満	±0.2	-LEAD FREE-						
10 以下	0	記号 RELEASED		変更内容 REVISION RECORD		0		
一般公差 GENERAL TOLERANCES		L.T.R		0				



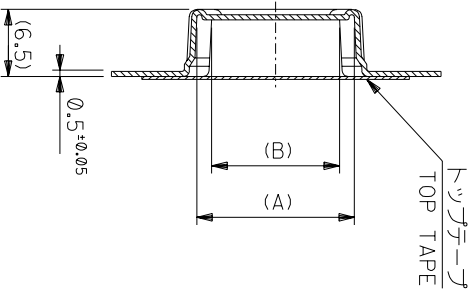
SECT:X-X
(SCALE:4-1)

SECT:Y-Y

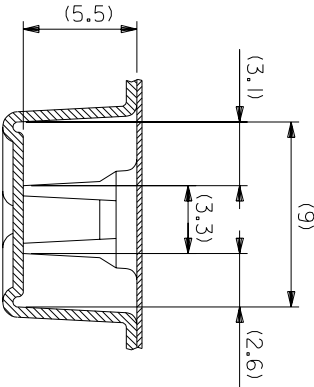
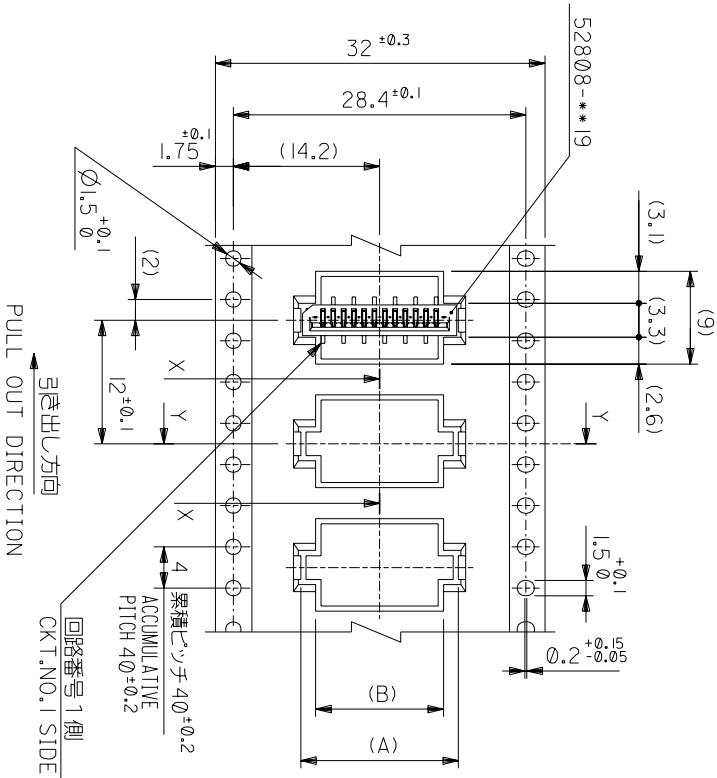
24mm幅キャリアテープ

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. 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 I.O FFC Conn NON ZIF SMT ST Embstp Pkg -LEAD FREE-	
		被覆外径 INS. RANGE		—#—					
		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	
角 度 ANGLE		±3°							
30 以上		±0.2							
10 以上 30 以下		±0.25							
10 未満		±0.2							
10 未満		±0.2							
GENERAL TOLERANCES		記号 LTR		変更内容 REVISION RECORD		DR. CHK.		日付 DATE	



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

記号	変更内容	DR-CHK.	DATE
0	新規作成 (12004-2528)	M.N.	M/W/02/19
0	リリース	M.S.	M/S/02/19
0	変更内容	DR-CHK.	DATE

MODEL NO.	キャリアテープ幅	C	(B)	(A)	MATERIAL NO.	種数
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 INS. RANGE
M.NABEI
DRAWN BY M/W/02/19 CHK'D BY M/S/02/19
APP'D BY M/W/02/19 SCALE M.SASAO
DWG. NO. SD-52808-028 (SHEET 4 OF 6) REV 0

REVISE ONLY ON CAD SYSTEM
TITLE 名称
I.O. FFC Conn NON ZIF
SMT ST Embstp Pkg
-LEAD FREE-



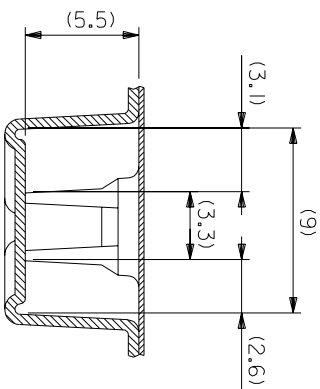
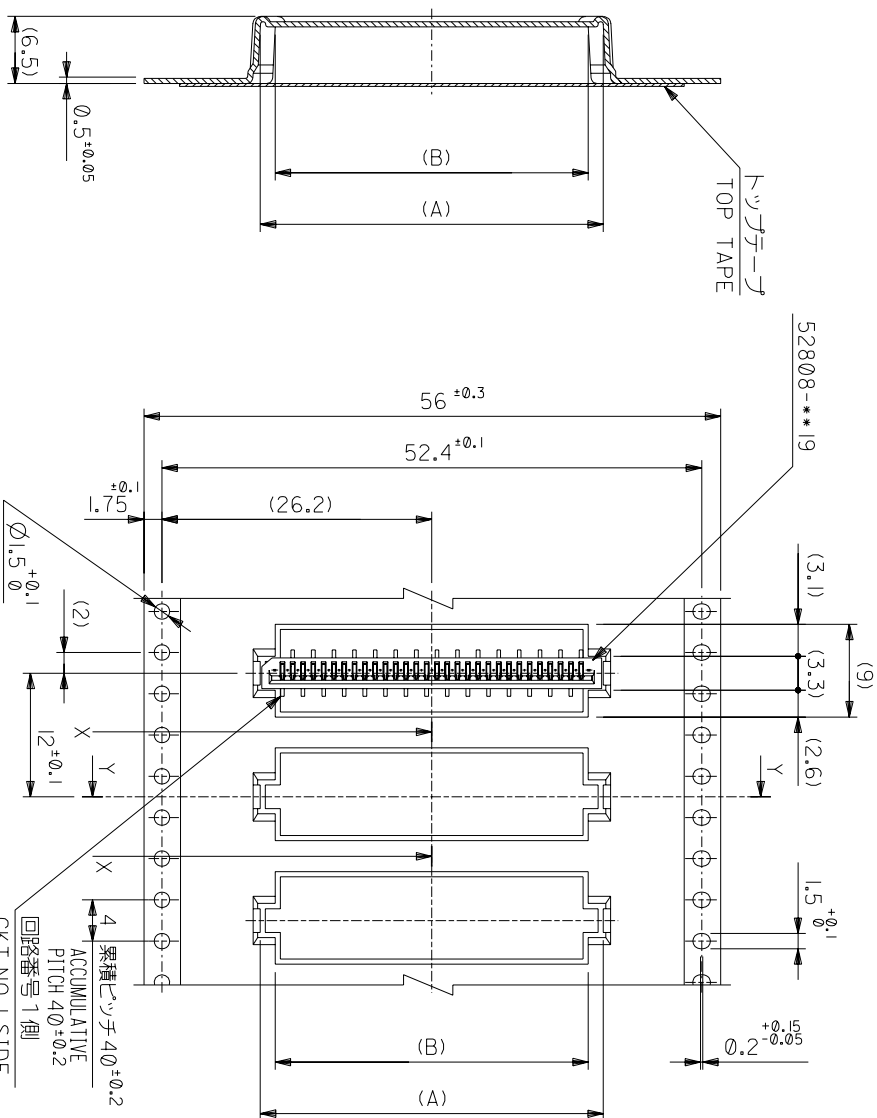
4 累積ピッチ40 $\pm$ 0.2
ACCUMLATIVE
PITCH 40 $\pm$ 0.2
回路番号1側
CKT.NO.1 SIDE

44mm幅キヤリテージ

材料 MATERIAL	SHEET 1 OF 6 参照	 MOLEX-JAPAN CO.,L.TD. 日本モリスツクス株式会社
仕上げ FINISH	REFER TO SHEET 1 OF 6	
		REVISE ONLY ON CAD SYSTEM

角度 ANGLE	30°				適用電線範圍 WIRE RANGE	—#—	I/O FFC Conn NON ZIF SMT ST Embstd Pkg -LEAD FREE-	DWG. NO. (SHEET 5 OF 6) REV SD-52808-028 0
30 以上 OVER	40.2				被覆外徑 INS. RANGE	—#—		
10 以上 30 UNDER	40.25				DRAWN BY 04/02/19 M.N.BEL	CHK'D BY 04/02/19 M.SASAO		
10 UNDER	40.2							
GENERAL TOLERANCES	±0.2							
一般公差 記号	変更内容 REVISION RECORD	DR.	DATE	APPRO'D BY 04/02/19 M.SASAO	尺度 SCALE	—#—		

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 EN-01C032MXJ



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.	キヤリテ-テープ CARRIED TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 C.T.

角度 ANGLE	3°	適用電線範圍 WIRE RANGE	—#—	TITLE 名稱 1.0 FFC Conn NON ZIF SMT ST Embstd Pkg -LEAD FREE-
30 以上 30 COVER	10.0	被覆外径 INS. RANGE	—#—	
10 以上 30 以下 10 COVER 30 UNDER	5.0/25	DRAWN BY 04/02/19 M.(NAME)	CHK.D. BY 04/02/19 M.(NAME)	
10 以下 10 UNDER	0.2	M.N	M.S	
GENERAL TOLERANCES	0	新製/作成 (12/004-2520) REPLA	變更內容 REVISION RECORD	
一般公差	0	DR.	DATE	DWG. NO. (SHEET 6 OF 6)
CK.	DATE	CHK.	SCALE	REV
	APP'D BY 04/02/19 M.(NAME)		1/50	0
	APP'D BY 04/02/19 M.(NAME)		1/50	0

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EN-01032MXJ-32