

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0528082370](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 23 Circuits, Lead-free

General

Product Family	FFC/FPC Connectors
Series	52808
Overview	ffc_fpc_smt
Product Name	N/A
Physical	
Circuits (Loaded)	23
Circuits (maximum)	23
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
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](#)

This document was generated on 06/05/2010

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F

E

D

C

B

A

F

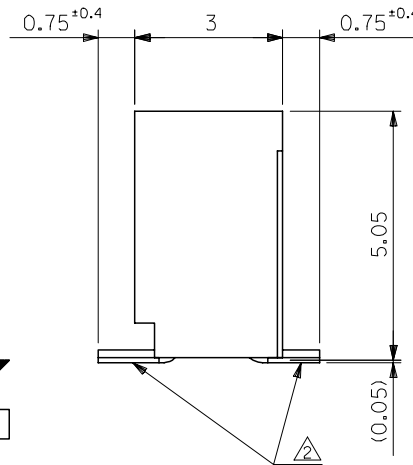
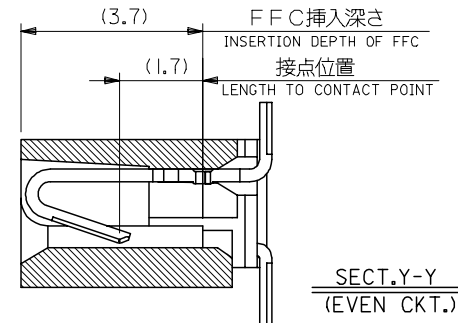
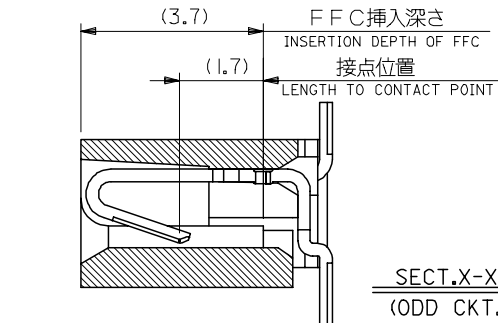
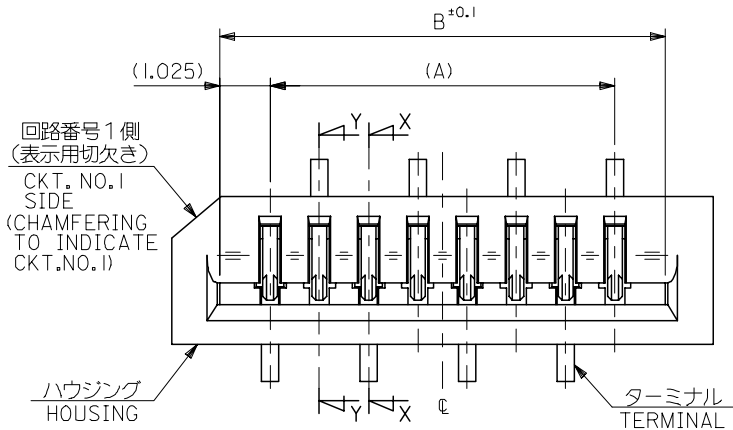
E

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: ニッケル下地鍍ピスマスメッキ

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.

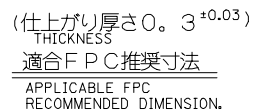
△ 偶数極に適用。

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	MOLEX MOLEX INCORPORATED				
		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								

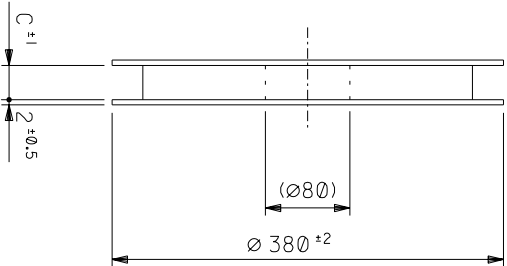
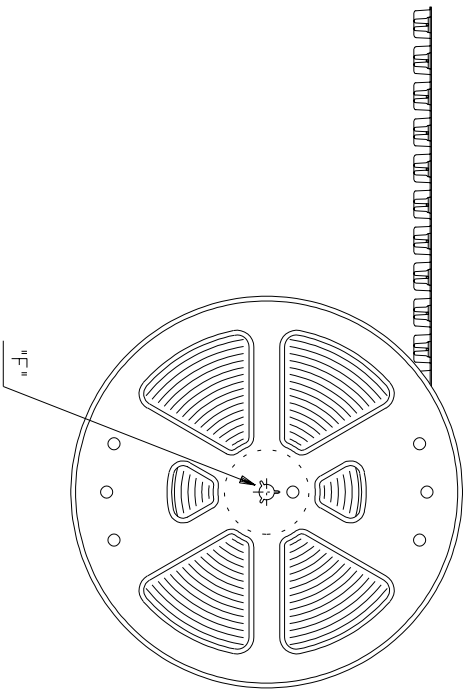


打抜き方向は、導体側から補強板側を推奨いたします。
補強フィルム材質は、ポリイミドを推奨いたします。
接着剤は、熱硬化接着剤を推奨いたします。

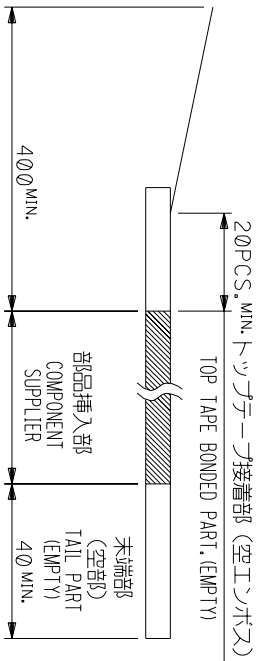
RECOMMENDED MATERIAL :
STIFFENER FILM : POLYIMIDE
BONDING AGENT : TERMOSETTING BONDING AGENT

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

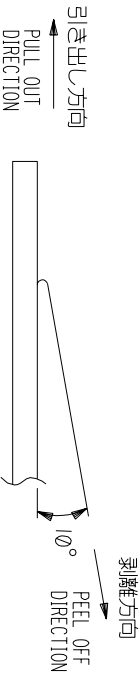


NOTES

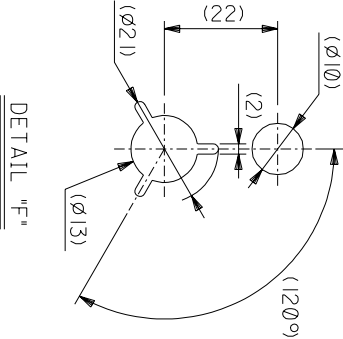
- 製品詳細寸法については図面 SD-52808-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-52808-027
- 梱包数量: 1000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
- リールテープ長さ LEAD TAPE LENGTH
20PCS. MIN. リールテープ接着部 (空エンボス)

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.



- 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>
- 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
10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	適用電線範囲	適用電線範囲
芯線径	芯線径	芯線径	芯線径
INS. RANGE	INS. RANGE	INS. RANGE	INS. RANGE
DRAWN BY	CHK'D BY	DRAWN BY	CHK'D BY
APP'D BY	SCALE	APP'D BY	SCALE
DATE	DATE	DATE	DATE
REVISION RECORD	REVISION RECORD	REVISION RECORD	REVISION RECORD
記号	記号	記号	記号
TR	TR	TR	TR
GENERAL TOLERANCES	GENERAL TOLERANCES	GENERAL TOLERANCES	GENERAL TOLERANCES

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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

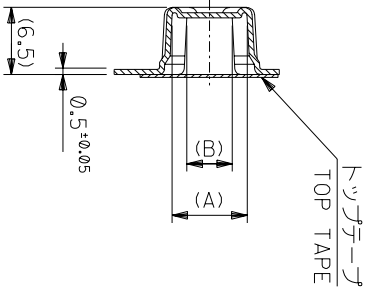
SMT ST Embstd Pkg

-LEAD FREE-

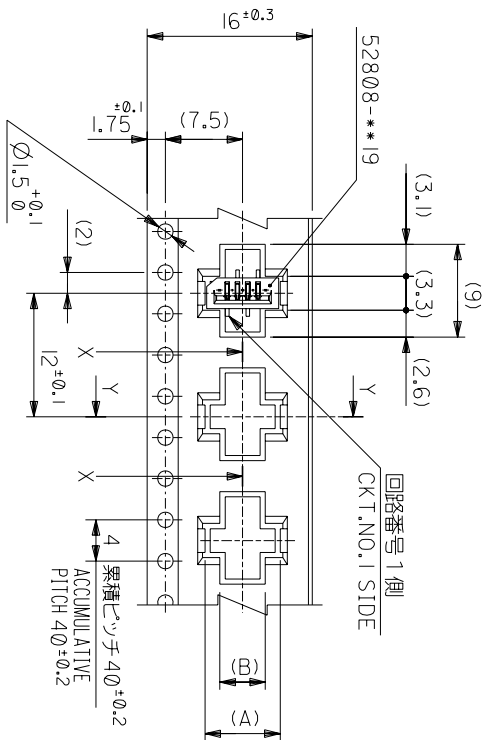
DWG. NO. (SHEET 1 OF 6) REV

SD-52808-028

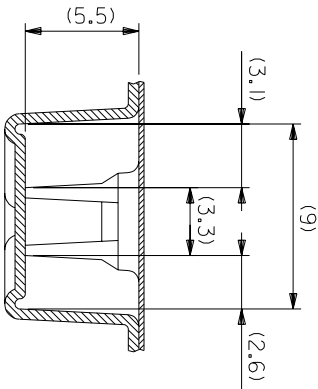
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SECTION-Y-Y



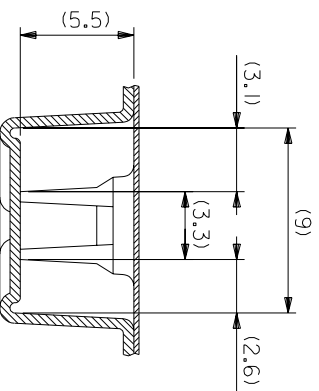
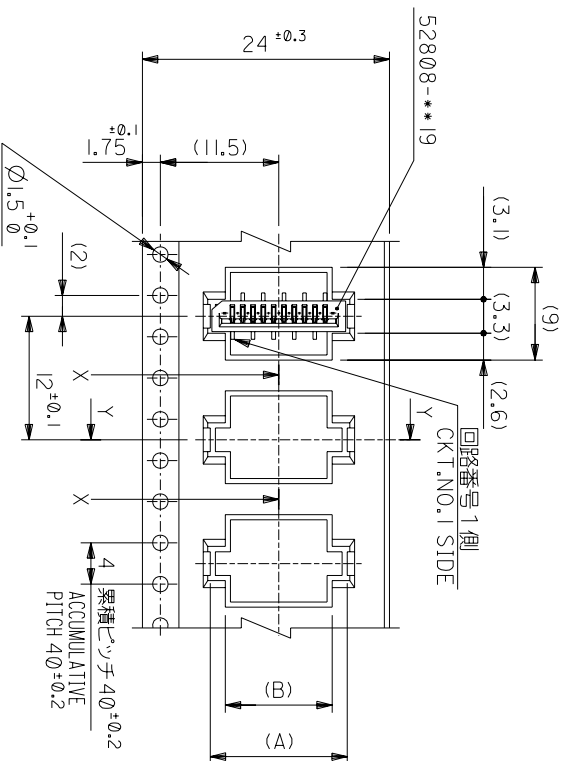
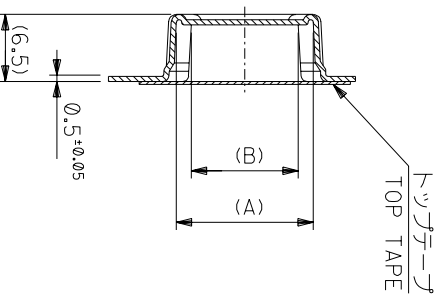
PULL OUT DIRECTION



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)	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		尺度 SCALE —#—				
		DWG. NO. SD-52808-028		(SHEET 2 OF 6) REV 0				
角 度 ANGLE		30°						
30°以上 30°以上		±0.2						
10°以下 10°以下		±0.25						
10°以下 10°以下		±0.2						
GENERAL TOLERANCES		記号 LTR		REVISION RECORD				
		0		新規作成 (12004-2528) REVISION				
		0		変更内容 REVISION RECORD				
		0		DR- CHK.				
		0		DATE				



SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

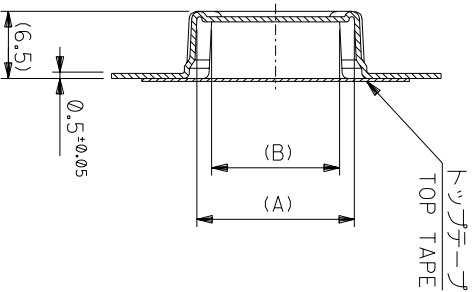
24mm幅キヤリアテープ

24mm WIDTH CARRIER TAPE

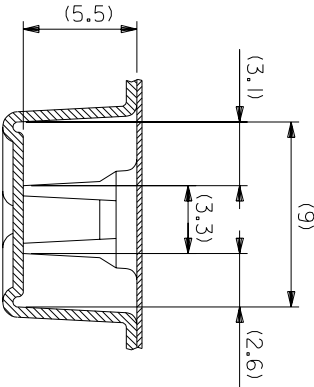
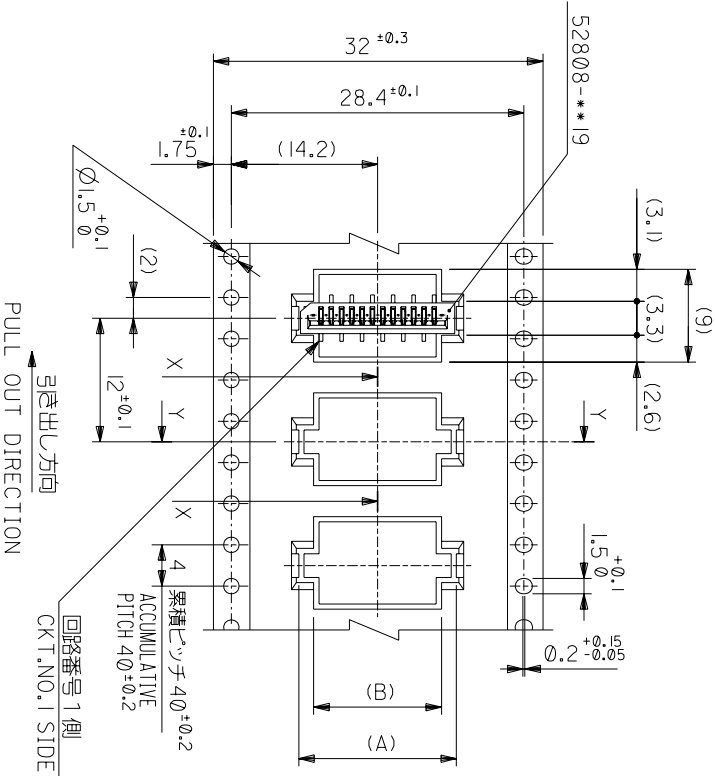
MODEL NO.	C	(B)	(A)	MATERIAL NO.	10
					52808-0670
					52808-0770
					52808-0870
24	25.5	7.4	10.3	52808-0770	7
52808-0770		6.4	9.3	52808-0670	6

[illegible]

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 EN-01C0321MX-J-32



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/2/9
0	リリース	M.S.	M/S/2/9
0	変更内容	DR-CHK.	DATE

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

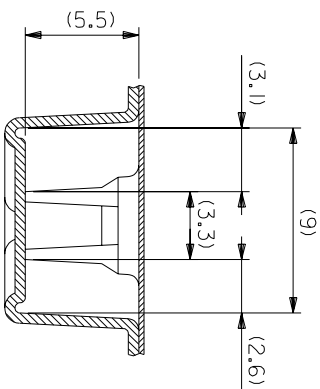
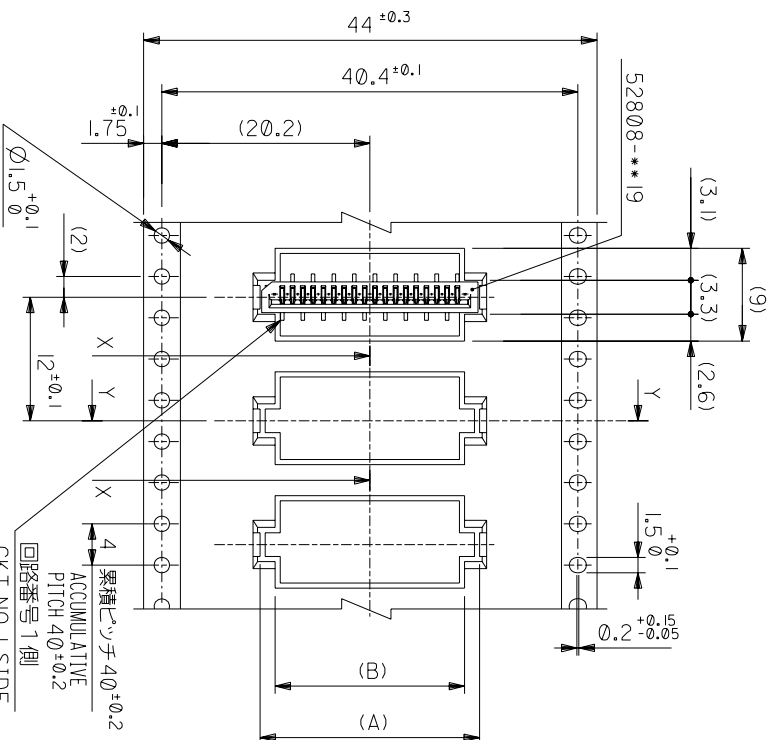
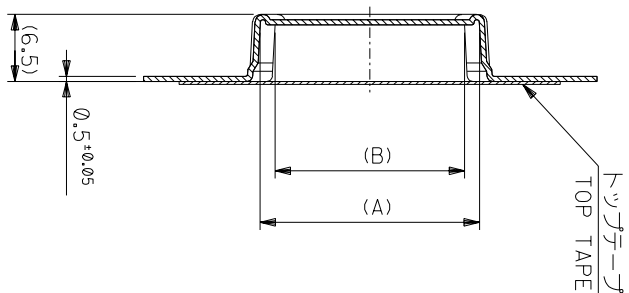
材料
MATERIAL SHEET 10F 6 参照
REFER TO SHEET 10F 6

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

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

尺度
SCALE
M.SASAO

DWG. NO. SD-52808-028 (SHEET 4 OF 6) REV 0



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

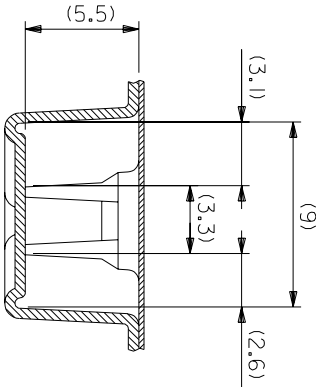
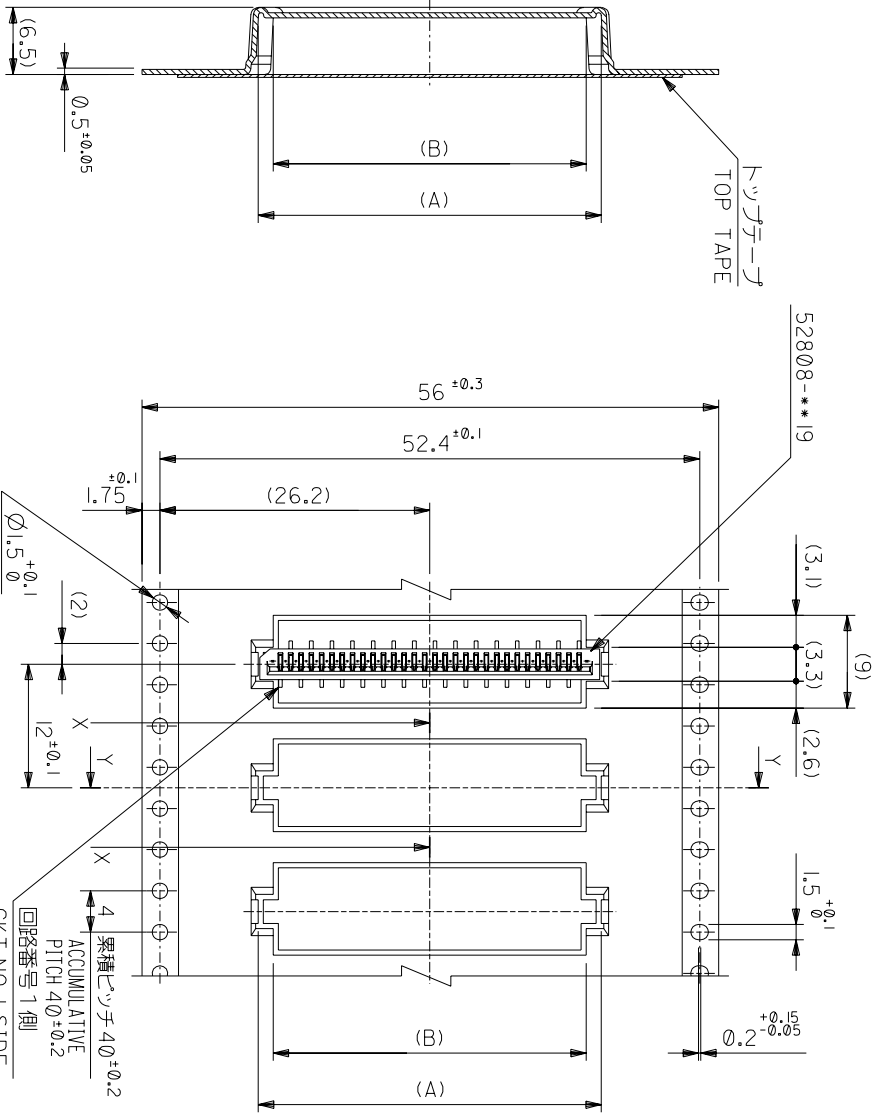
SECT:Y-Y

44mm幅キヤリテージ

[illegible]

 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.NBEL 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		更新作成 (4/2004-2528) (1/25)		REV. NO. (SHEET 5 OF 6) 0	
一般公差 GENERAL TOLERANCES 記号 LTR 変更内容 REVISION RECORD DR. 日付 CHK. DATE APRD BY 04/02/19 尺度 SCALE M.SASAO ————					

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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													