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Part Number: [0528082870](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 28 Circuits, Lead-free

General

Product Family	FFC/FPC Connectors
Series	52808
Overview	ffc_fpc_smt
Product Name	N/A
Physical	
Circuits (Loaded)	28
Circuits (maximum)	28
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](#)

This document was generated on 06/05/2010

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F

E

D

C

B

A

F

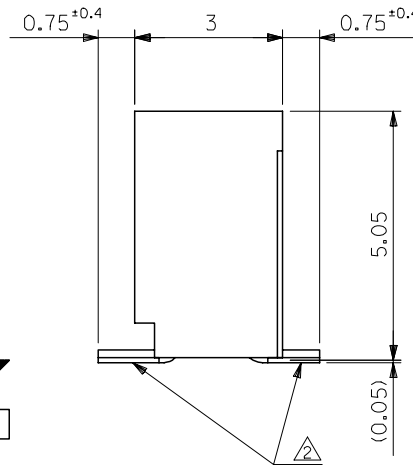
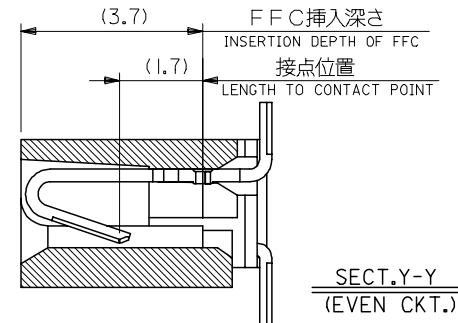
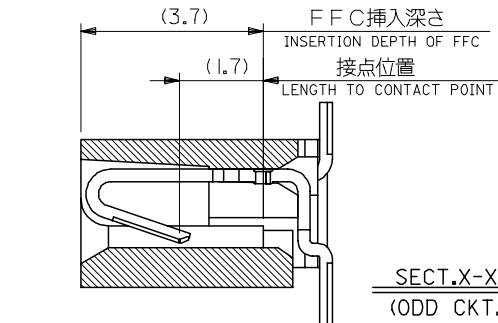
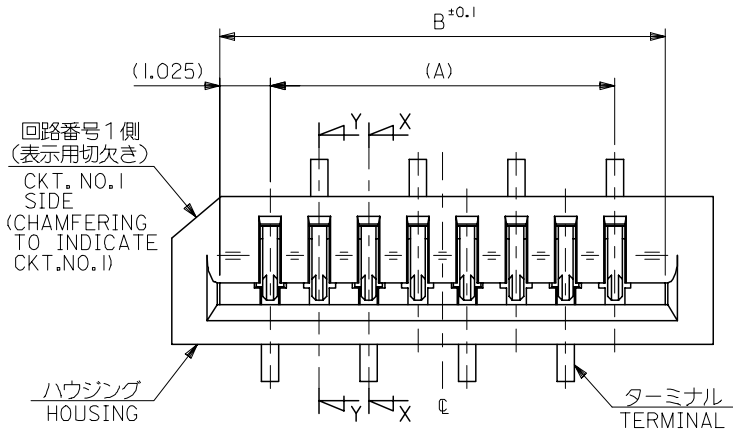
E

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.

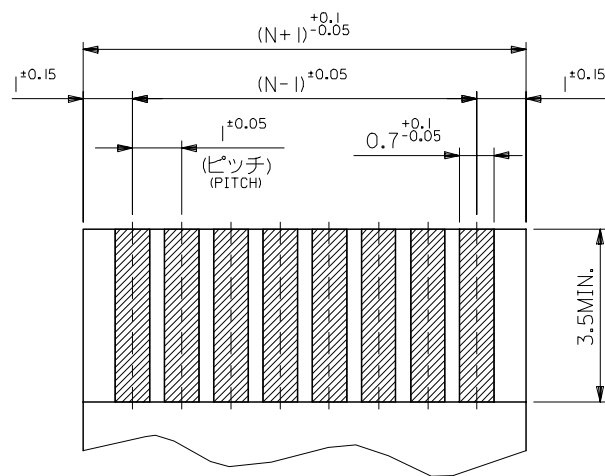
△3 偶数極に適用。

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 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							



(仕上がり)厚さ0.3^{+0.03})
THICKNESS

適合FPC推奨寸法
APPLICABLE FPC
RECOMMENDED DIMENSION.

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、熱硬貨接着剤を推奨いたします。

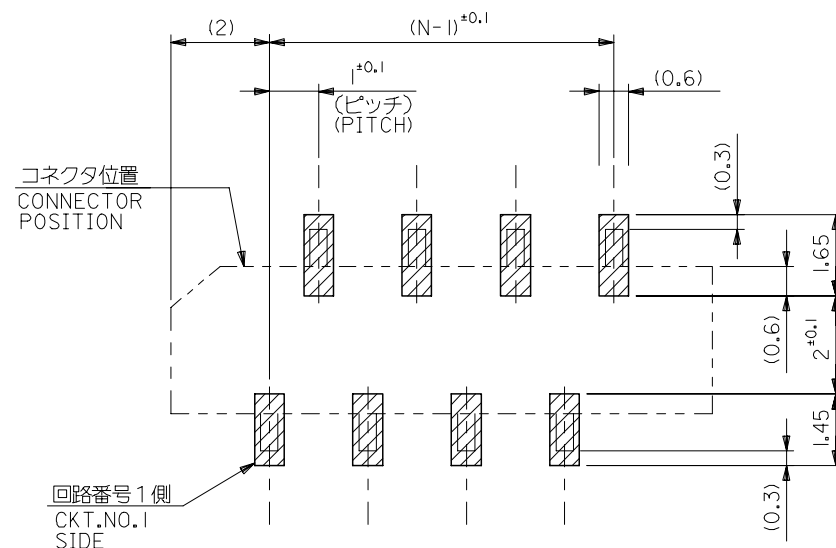
ABOUT FPC :

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

RECOMMENDED MATERIAL :

STIFFENER FILM : POLYIMIDE

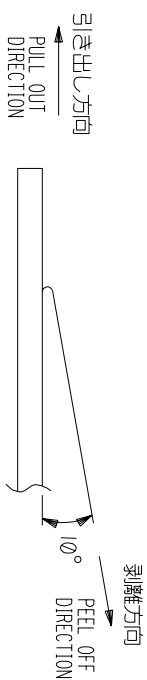
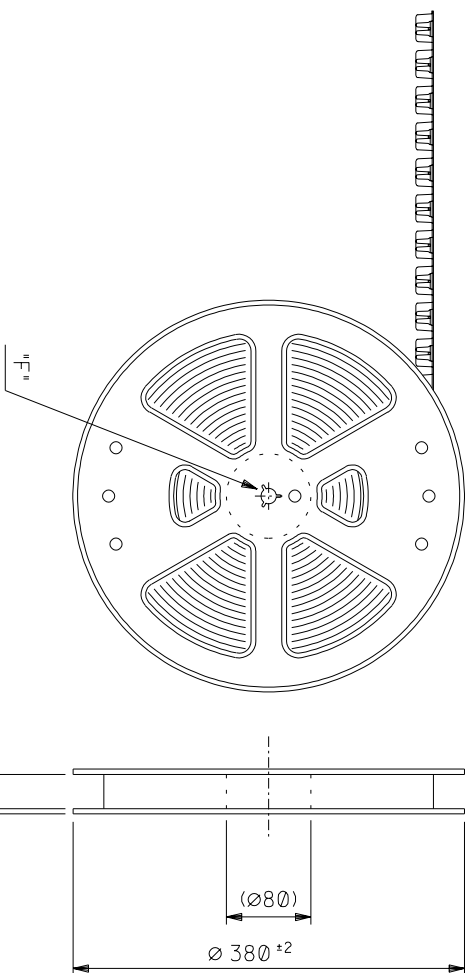
BONDING AGENT : TERMOSETTING BONDING AGENT



参考基板レイアウト（マウント面）

RECOMMENDED P.C.BOARD
PATTERN DIMENSION.(REF.)
(MOUNTING AREA)

REVISED EC NO: J2006-1497 DRAWN: NABEI CHKD: K TOYODA APPR: NUKITA	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	±0.2	M. NABEI	'04/02/19	TITLE 1.0 FFC CONN. NON ZIF SMT. ST. -LEAD FREE-				
		10 OVER 30 UNDER	±0.25	M. SASAO	'04/02/19					
		30 OVER	±0.3	M. SASAO	'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		
	REV	A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							



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)

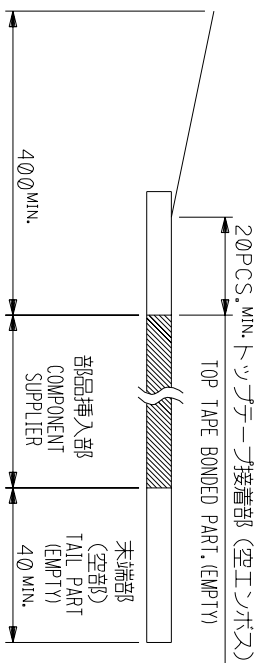
尚、本規格値は出荷時に適用。(但し、輸送時に剥離が発生しないこと。)

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.



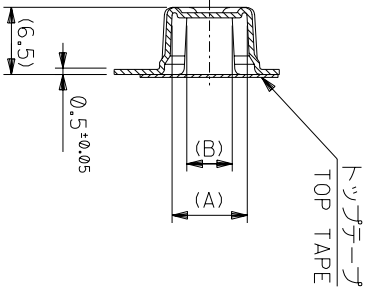
NOTES

1. 製品詳細方法については図面 SD-558008-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-528008-027
2. 梱包数量: 10000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH

52808-***70	
MODEL NO.	
MOLEX-JAPAN CO.,LTD. (molex) 日本モリス株式会社	
TITLE 名称	
DWG. NO. (SHEET 1 OF 6) REV.	
SD-52808-028 0	
MOLEX ONLY ON CAD SYSTEM 1.0 FFC Conn NON ZIF SMT ST Embstd Pkg -LEAD FREE-	
MATERIAL 注記参照 SEE NOTES	
仕上げ	
FINISH	
適用電線範囲	
被覆外径	
INS. RANGE	
DRAWN BY 04/02/9 CHK'D BY 04/02/9	
M.NABEI	
APP'D BY 04/02/9 尺度	
M.SASAO	
M.SASAO	
DATE	
DR. CHK.	
REVISION RECORD	
記号	
LTR	
一般公差	
GENERAL TOLERANCES	
10 UNDER	
10 OVER	
30 OVER	
30 UNDER	
角度 ANGLE	
3.3°	
10.3	
10.25	
10.2	
0	
新増/作成	
RELEASED	
(12004-2528)	
M.N	
M.S	
04/02/9	
DATE	
DR. CHK.	
REVISION RECORD	
記号	
LTR	
一般公差	
GENERAL TOLERANCES	
10 UNDER	
10 OVER	
30 OVER	
30 UNDER	
角度 ANGLE	
3.3°	
10.3	
10.25	
10.2	
0	
新増/作成	
RELEASED	
(12004-2528)	
M.N	
M.S	
04/02/9	
DATE	
DR. CHK.	
REVISION RECORD	
記号	
LTR	
一般公差	
GENERAL TOLERANCES	
10 UNDER	
10 OVER	
30 OVER	
30 UNDER	
角度 ANGLE	
3.3°	
10.3	
10.25	
10.2	
0	
新増/作成	
RELEASED	
(12004-2528)	
M.N	
M.S	
04/02/9	
DATE	
DR. CHK.	
REVISION RECORD	
記号	
LTR	
一般公差	
GENERAL TOLERANCES	
10 UNDER	
10 OVER	
30 OVER	
30 UNDER	
角度 ANGLE	
3.3°	
10.3	
10.25	
10.2	
0	
新増/作成	
RELEASED	
(12004-2528)	
M.N	
M.S	
04/02/9	
DATE	
DR. CHK.	
REVISION RECORD	
記号	
LTR	
一般公差	
GENERAL TOLERANCES	
10 UNDER	
10 OVER	
30 OVER	
30 UNDER	
角度 ANGLE	
3.3°	
10.3	
10.25	
10.2	
0	
新増/作成	
RELEASED	
(12004-2528)	
M.N	
M.S	
04/02/9	
DATE	
DR. CHK.	
REVISION RECORD	
記号	
LTR	
一般公差	
GENERAL TOLERANCES	
10 UNDER	
10 OVER	
30 OVER	
30 UNDER	
角度 ANGLE	
3.3°	
10.3	
10.25	
10.2	
0	
新増/作成	
RELEASED	
(12004-2528)	
M.N	
M.S	
04/02/9	
DATE	
DR. CHK.	
REVISION RECORD	
記号	
LTR	
一般公差	
GENERAL TOLERANCES	
10 UNDER	
10 OVER	
30 OVER	
30 UNDER	
角度 ANGLE	
3.3°	
10.3	
10.25	
10.2	
0	
新増/作成	
RELEASED	
(12004-2528)	
M.N	
M.S	
04/02/9	
DATE	
DR. CHK.	
REVISION RECORD	
記号	
LTR	
一般公差	
GENERAL TOLERANCES	
10 UNDER	
10 OVER	
30 OVER	
30 UNDER	
角度 ANGLE	
3.3°	
10.3	
10.25	
10.2	
0	
新増/作成	
RELEASED	
(12004-2528)	
M.N	
M.S	
04/02/9	
DATE	
DR. CHK.	
REVISION RECORD	

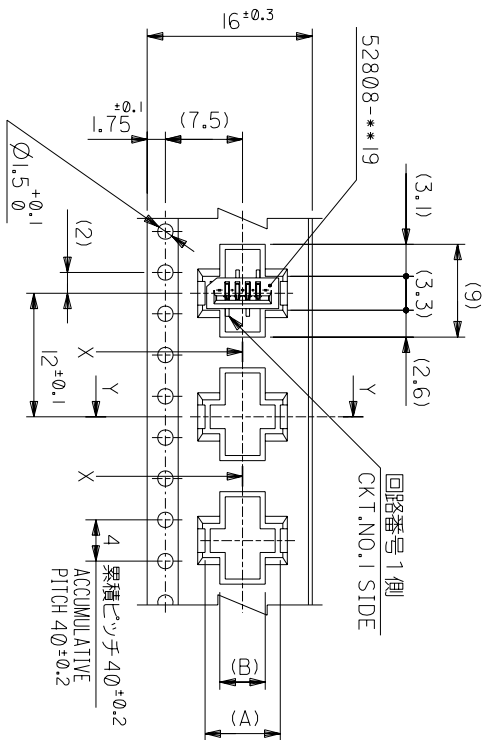
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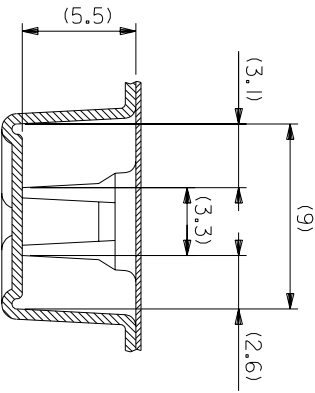


SECTION-Y-Y

16mm幅キャリアテープ
16mm WIDTH CARRIER TAPE

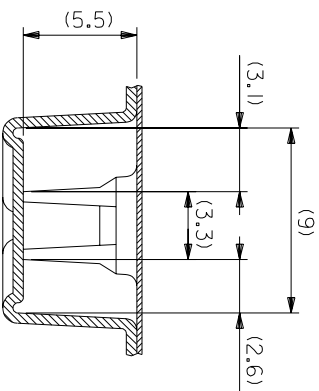
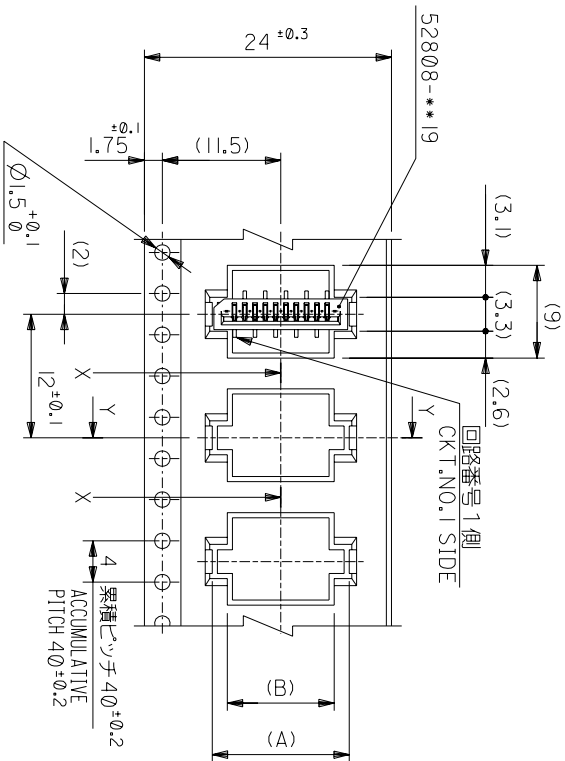
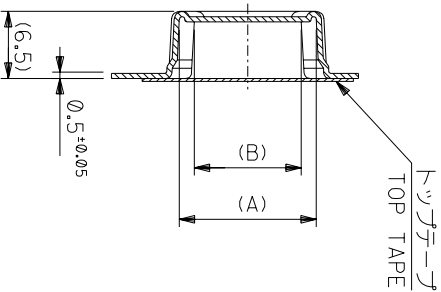


引き出し方向
PULL OUT DIRECTION



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

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		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		
		被覆外径 INS. RANGE		—#—		SMT ST Embstd PKg		
		DRAWN BY 04/02/19 M.NABEI		CHK'D BY 04/02/19 M.SASAO		DWG. NO. (SHEET 2 OF 6) REV		
		記号 LTR		変更内容 REVISION RECORD		SD-52808-028		
		一般公差 GENERAL TOLERANCES		角 度 ANGLE		30°		
		30°以上 30°OFF		±0.2				
		10°OFF 10°UNDER		±0.25				
		未通 10°UNDER		±0.2				



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

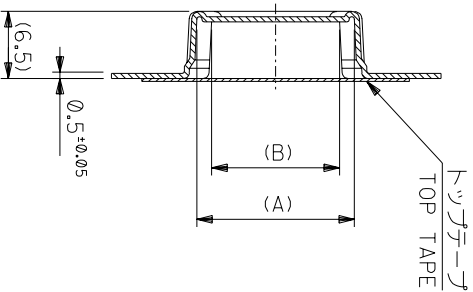
SECT:Y-Y

引き出し方向
PULL OUT DIRECTION

24mm幅キャリアテープ
24mm WIDTH CARRIER TAPE

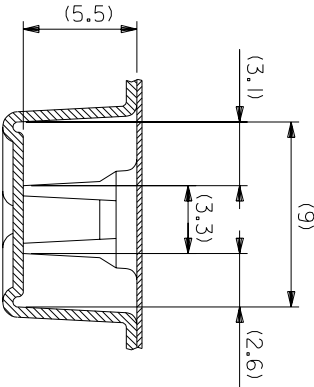
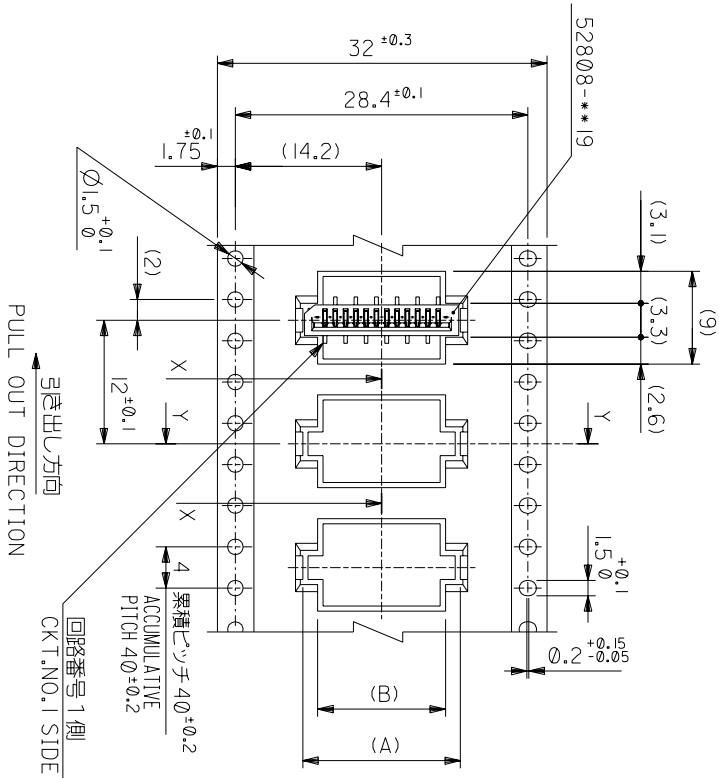
52808-***70	24	25.5	10.4	13.3	52808-1070	10
			9.4	12.3	52808-0970	9
			8.4	11.3	52808-0870	8
			7.4	10.3	52808-0770	7
			6.4	9.3	52808-0670	6
MODEL NO.	モリステープ幅	C	(B)	(A)	MATERIAL NO.	極数 Ckt.

角度	ANGLE	3°	仕上げ	FINISH	—#—	TITLE 名称	1.0 FFC Conn NON ZIF
30 以上	30 DEGREE	18.2	適用電線範囲	WIRE RANGE	—#—	SMT ST Embstd Pkg	
10 以上	10 DEGREE	5.625	絞線外径	INS. RANGE	—#—	—LEAD FREE—	
未指定	未指定	未指定	DRAWN BY 04/02/9	CHK'D BY 04/02/9	尺 寸	DWG. NO.	(SHEET 3 OF 6) REV
10 以下	10 UNDER	0.2	新規格作成 (12004-2528)	RELEASED	DATE	SD-52808-028	0
GENERAL TOLERANCES	一般公差	0	REVISION RECORD	DR. CHK. DATE	SCALE		



SECT:Y-Y

32mm幅キャリアテープ
32mm WIDTH CARRIER TAPE



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

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

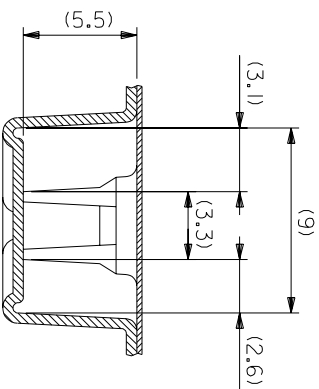
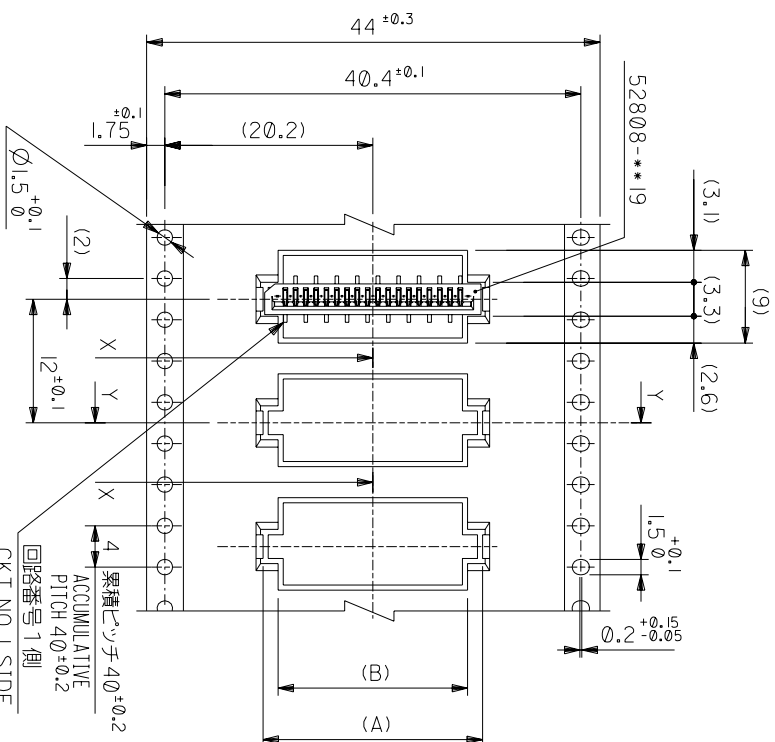
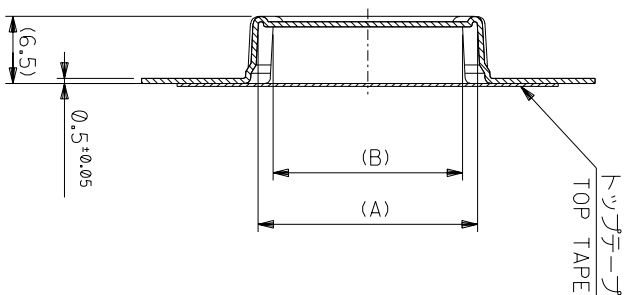
DRAWN BY 04/02/19 CHK'D BY 04/02/19
M.NABEI M.SASAO

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角度 ANGLE	3°
30°以上	1.2
10°以下	1.25
10°以下	0.2
10°以下	0.2

記号	0	新規格 REVISION	変更内容 REVISION RECORD	DR- CHK.	DATE
記号	0	新規格 REVISION	変更内容 REVISION RECORD	DR- CHK.	DATE

記号	0	新規格 REVISION	変更内容 REVISION RECORD	DR- CHK.	DATE
記号	0	新規格 REVISION	変更内容 REVISION RECORD	DR- CHK.	DATE



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

SECT:Y-Y

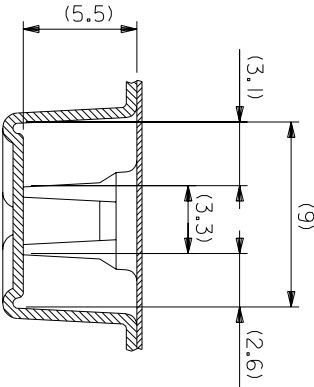
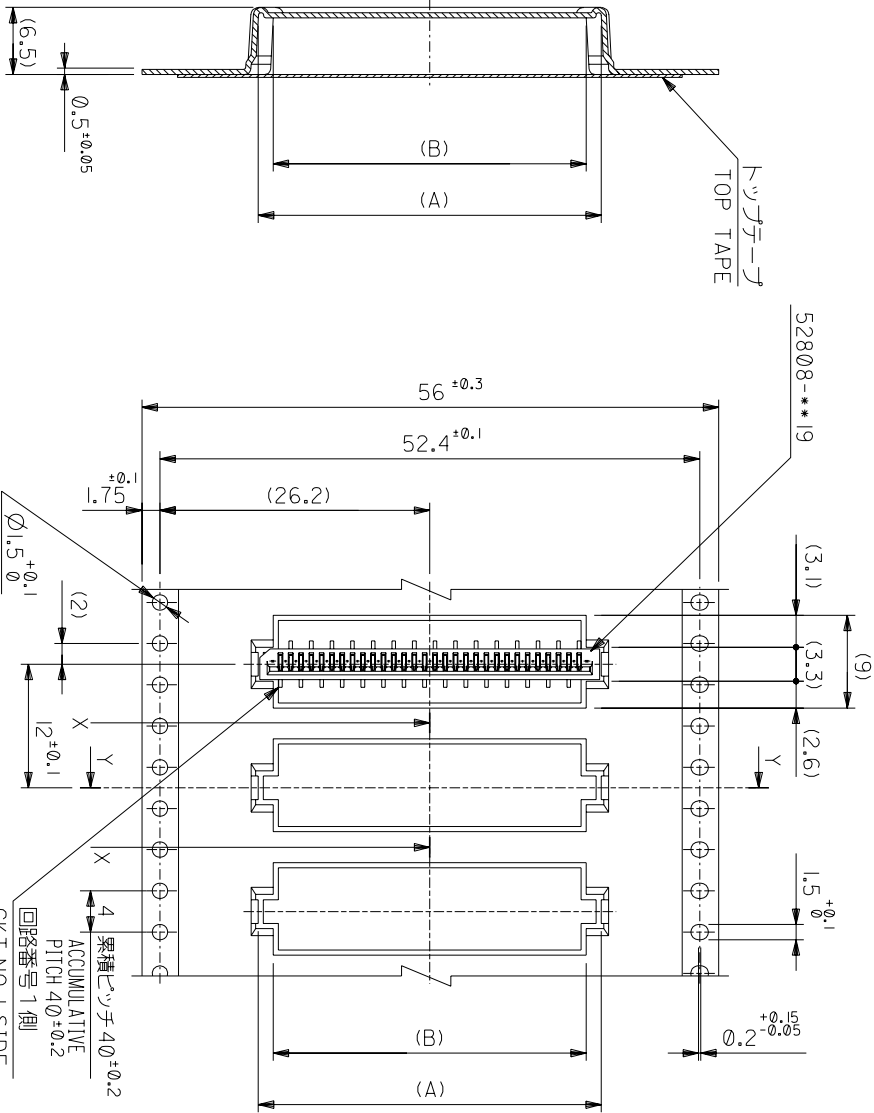
引き出し方向
PULL OUT DIRECTION

ヒッチ40 $\pm$ 0.2
IMULATIVE
H40 $\pm$ 0.2
号1側
10.1 SIDE

44mm幅キヤリテージ

[illegible][illegible]

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 EN-01C032MXJ-32



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-**-19		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											
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