

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0528083070](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 30 Circuits, Lead-free

General

Product Family	FFC/FPC Connectors
Series	52808
Overview	ffc_fpc_smt
Product Name	N/A
Physical	
Circuits (Loaded)	30
Circuits (maximum)	30
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

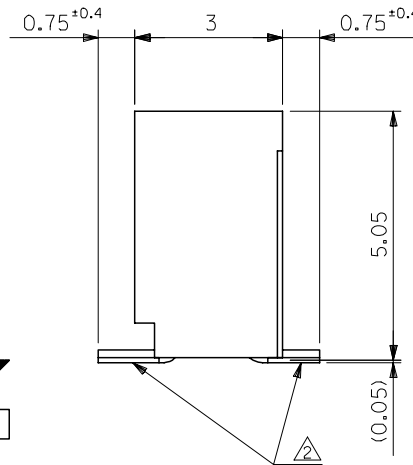
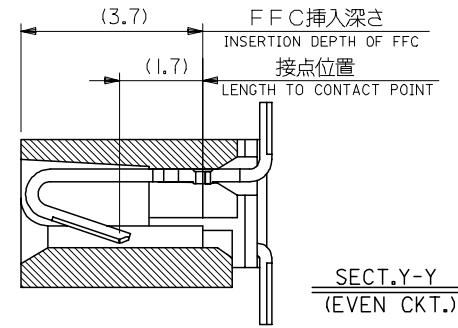
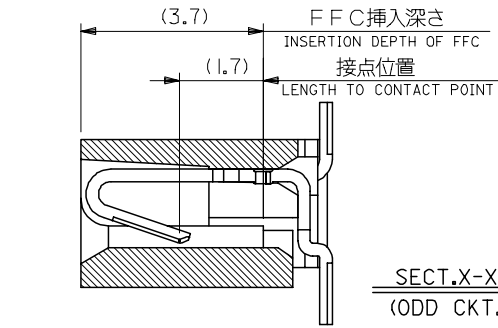
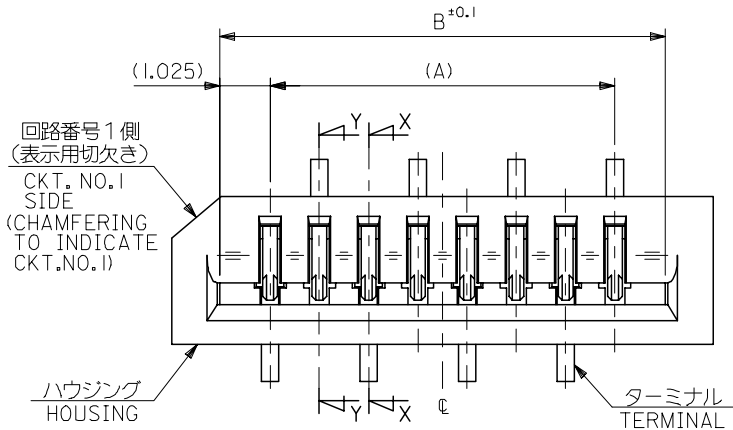
E

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

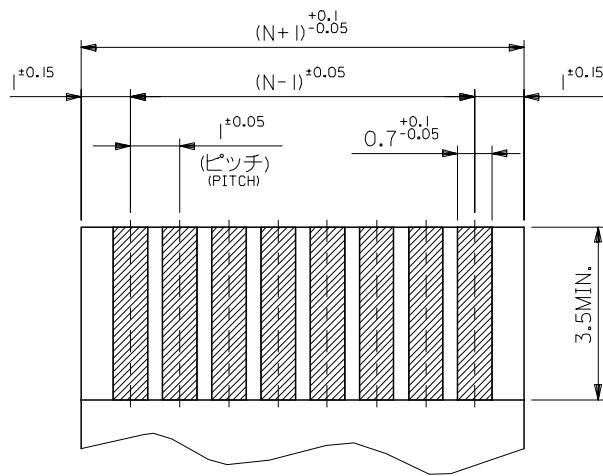
△基準面 [E] からのソルダーテールの半田付け面のズレ量は、上方向に0.1MAX. 下方向0.15MAX. とする。

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

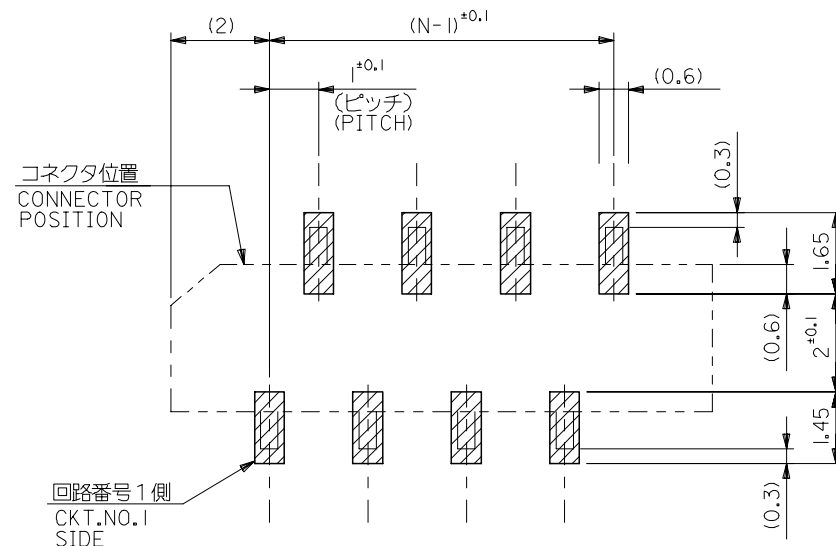
△偶数極に適用。
APPLY FOR EVEN CKT.

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							



(仕上がり厚さ0.3 $\pm$ 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:

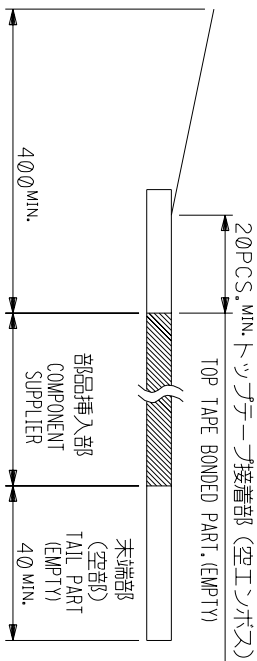
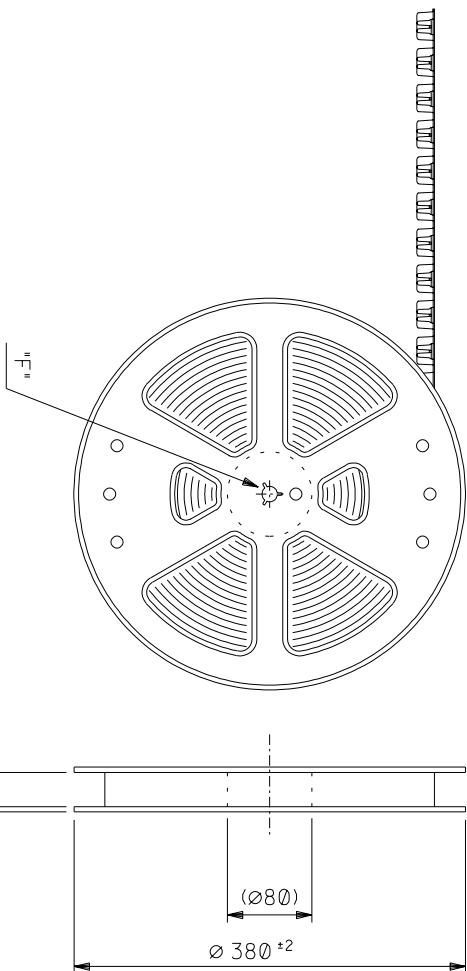
RECOMMENDED PUNCHER DIRECTION: FROM CONDUCTOR SIDE TO
STIFFENER BOARD SIDE.

RECOMMENDED MATERIAL:

STIFFENER FILM: POLYIMIDE

BONDING AGENT: THERMOSETTING BONDING AGENT

REVISED EC NO: J2006-1497 DRAWN:MABEL CHKD:KTOYODA APPR:NUKITA	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.					
	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							



NOTES

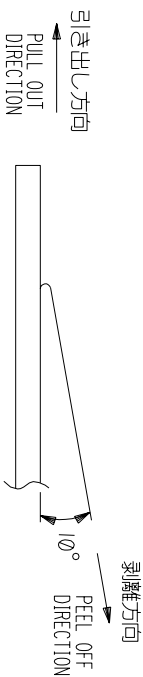
1. 製品詳細方法については図面 SD-52808-027 を参照下さい。
RE DETAILED DIMENSION, SEE SD-52808-027
2. 梱包数量: 10000個/リール
NUMBER OF CONNECTORS : 1000PCS/REEL
3. リーダーテープ長さ LEAD TAPE LENGTH

4. トリプターズの剥離性強度: 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、輸送時に剥離力発生しないこと。)

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(TOP TAPE): PET, PE, PEF
リール(REEL):ポリスチレン(PS)＜リサイクル材を含む＞

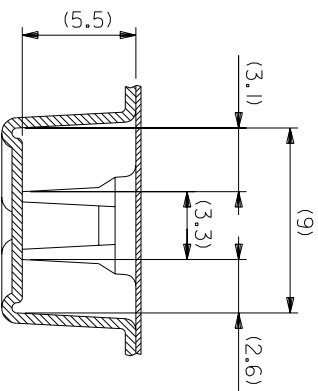
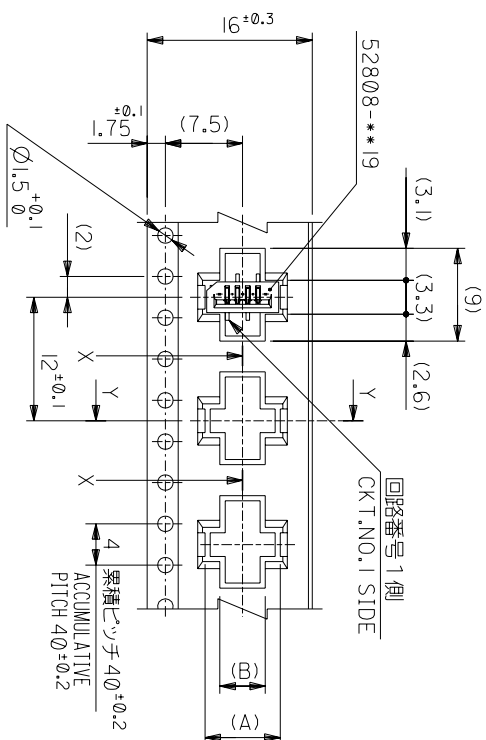
6. 本製品は52808-**900の鉛711-品である。

THIS PRODUCT IS LEAD FREE OF 52808--**90

52808-***70	
MODEL NO.	
MOLEX-JAPAN CO.,LTD. (molex) モレックス株式会社	
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	0

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EN-01032MXJ-32



引き出し方向
PULL OUT DIRECTION

16mm幅キヤリテージ

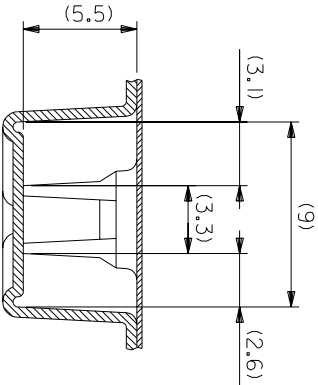
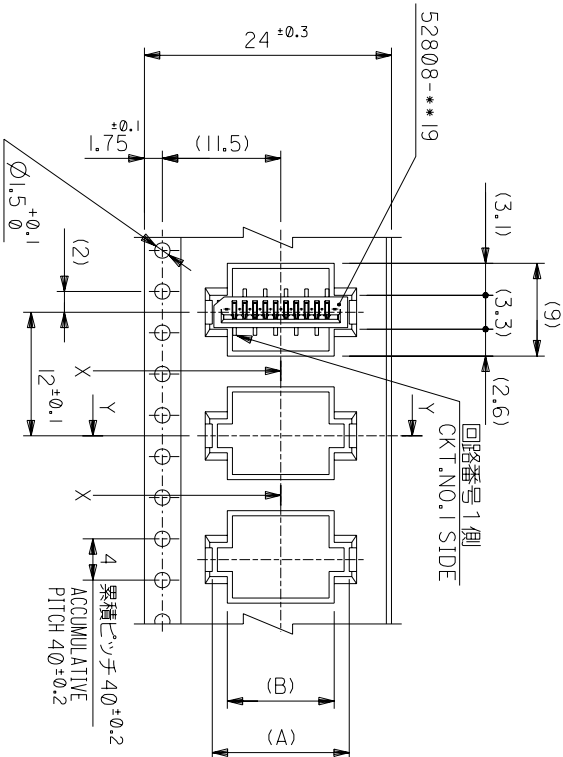
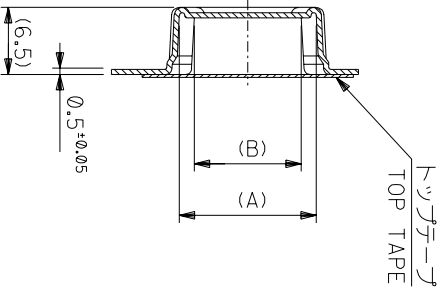
16mm WIDTH CARRIER TAPE

材料 MATERIAL	SHEET 1 OF 6 参照 REFER TO SHEET 1 OF 6	 MOLEX-JAPAN CO.,L.TD. モレックス株式会社
仕上げ FINISH	—#—	
REVISION ONLY ON CAD SYSTEM		TITLE 名称

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

— 般 公 差
GENERAL TOLERANCES

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 EN-01C(032)MXJ-32



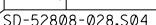
SECT:X-X
(SCALE:4-1)

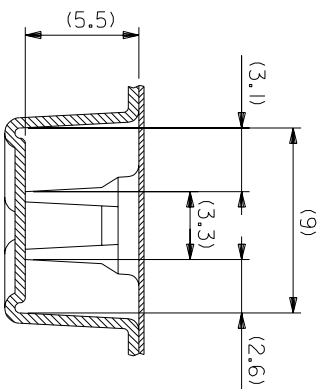
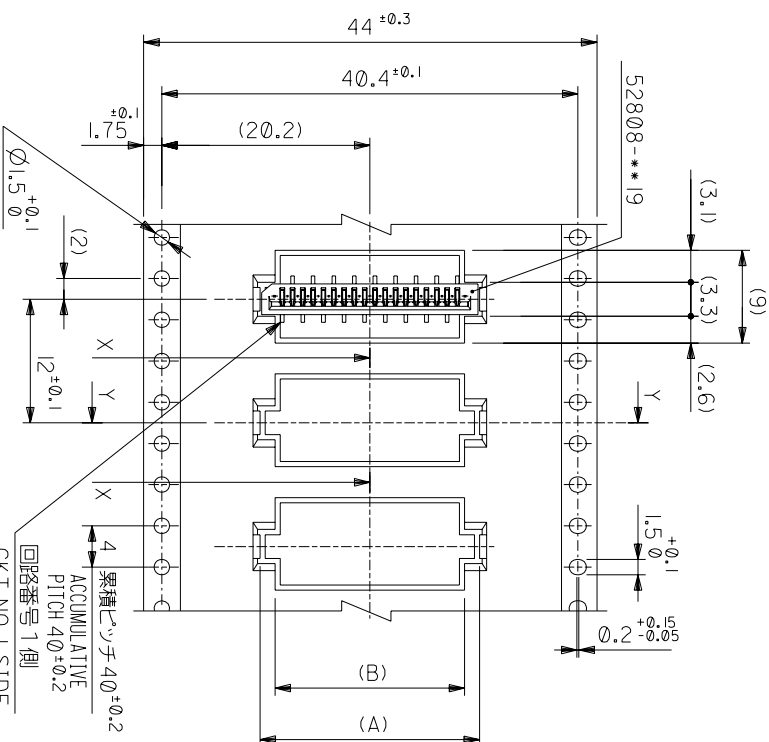
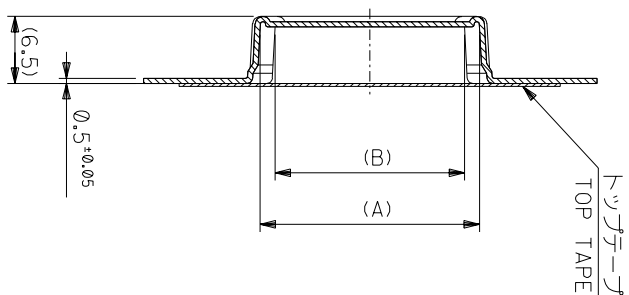
SECT:Y-Y

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	
MODEL NO.	キャリアテープ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 CKT.	
52808-***70			6.4	9.3	52808-0670	6	

材料			MATERIAL SHEET 1 OF 6 参照			MOLEX-JAPAN CO.,LTD.		
仕上げ			FINISH			モレックス株式会社		
適用電線範囲			—#—			REVISE ONLY ON CAD SYSTEM		
芯線外径			—#—			TITLE 名称		
INS. RANGE			—#—			1.0 FFC Conn NON ZIF		
DRAWN BY 04/02/9			CHK'D BY 04/02/9			SMT ST EmbStd Pkg		
M.NABEI			M.SASAO			-LEAD FREE-		
APP'D BY 04/02/9			SCALE —#—			DWG. NO.		
M.SASAO			—#—			SD-52808-028		
DR. 0			DATE 04/02/9			(SHEET 3 OF 6)		
REVISION RECORD			REV. 0			REV		
GENERAL TOLERANCES			L.T.R.			0		





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

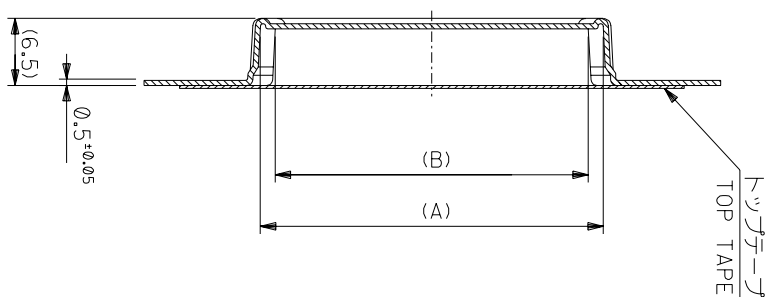
SECT:Y-Y

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			
16.4	19.3	52808-1670	16			
MODEL NO.	52808-70					
CARRIER TAPE WIDTH	52808-70					
C						

 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 (42004-2528) (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 ————		REVISE ONLY ON CAD SYSTEM		TITLE 名称	

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 EN-01C032MXJ



56mm幅キヤリアダート

56mm WIDTH CARRIER TAPE

52808-***70
MODEL NO.

角度	ANGLE	
30 以上	30 OVER	$\pm 3^{\circ}$
10 以上 30 未満	10 OVER 30 UNDER	$\pm 0.5^{\circ}$
10 未満	10 UNDER	$\pm 0.2^{\circ}$

— 公差
GENERAL TOLERANCES

引き出し方向
PULL OUT DIRECTION

4 累積ピッチ 40 ±0.2
↑
ACCUMULATIVE
PITCH 40 ±0.2
回路番号 1 側
CKT.NO.1 SIDE

MOLEX-JAPAN CO.,LTD.
日本モリックス株式会社
molex

仕上り FINISH	—#—	REVISE ONLY ON CAD SYSTEM
京田 龍 雄 筑 田		TITLE 名称

WIRE RANGE	—#—	1.0 FCC Conn NON ZIF
被覆外径	—#—	SMT ST Embstp Pkg
INS. RANGE		-LEAD FREE-

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

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