

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0528082470](#)
Status: **Active**
Overview:
Description: 1.00mm (.039") Pitch FFC/FPC Connector, SMT, Vertical, Non-ZIF Receptacle, 24 Circuits, Lead-free

General

Product Family	FFC/FPC Connectors
Series	52808
Overview	ffc_fpc_smt
Product Name	N/A
Physical	
Circuits (Loaded)	24
Circuits (maximum)	24
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

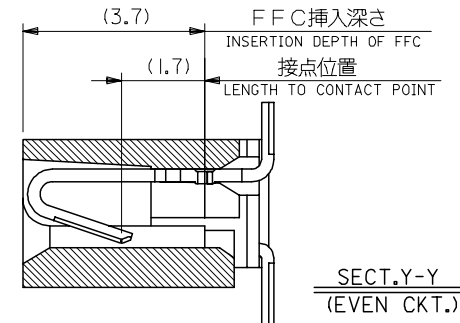
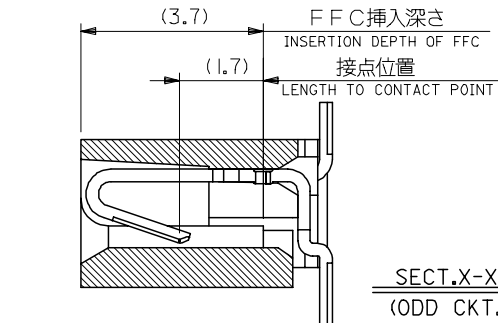
E

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.

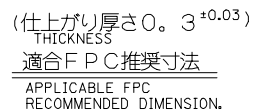
△3 偶数極に適用。

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

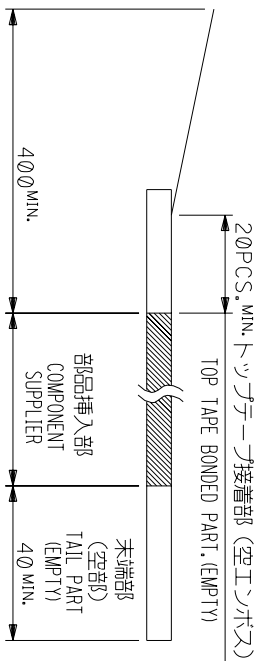
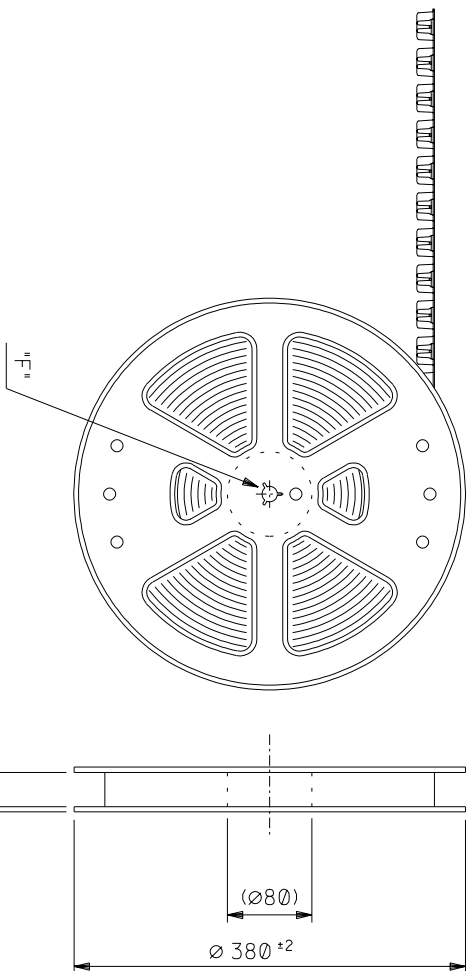
REVISED EC NO: J2006-1497 DRAWN: NABE1 CHKD: KTOYODA APPR: NUKITA	DESCRIPTION 2005/11/04 2005/11/07 2005/11/11	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		10 UNDER	±0.2	DRAWN BY M. NABE1	DATE '04/02/19	TITLE 1.0 FFC CONN. NON 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

tb_frame_A3_J_ME_S
Rev. D 2004/04/02



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強度: 0.1 ~ 1.3N (10 ~ 130gf)

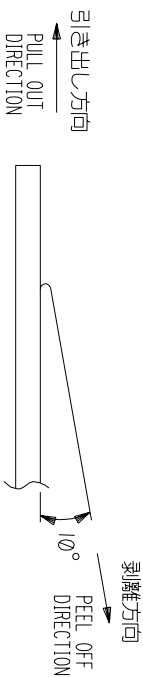
尚、本規格値は出荷時に適用。(但し、輸送時に剥離力発生しないこと。)

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.

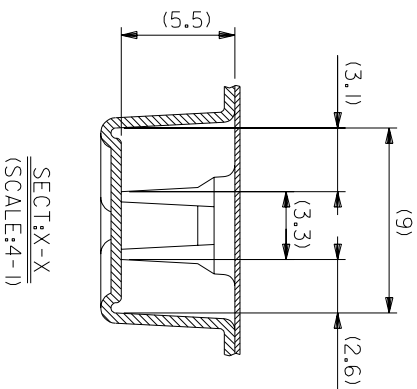
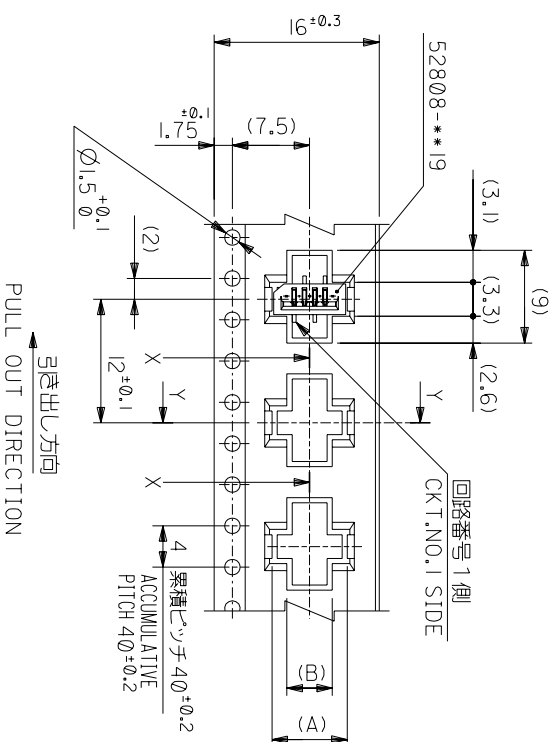
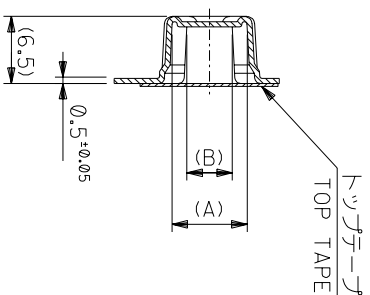
PEEL OFF SHOULD NOT BE ALLOWED, DURING TRANSPORTATION.

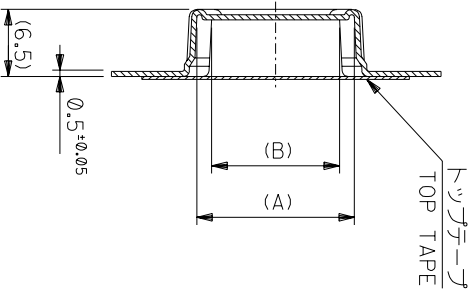


5. 材料(MATERIAL)
キャリアテープ(CARRIER TAPE): ポリプロピレン(POLYPROPYLENE)
トップテープ(TOPTAPE): PET, PE, PEF
リール(REEL): ポリステレン(P.S) <リサイクル材を含む>
POLYSTYRENEPS) RECYCLE MATERIAL CONTAINED)
6. 本製品は52808-* * 90の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 52808-***90

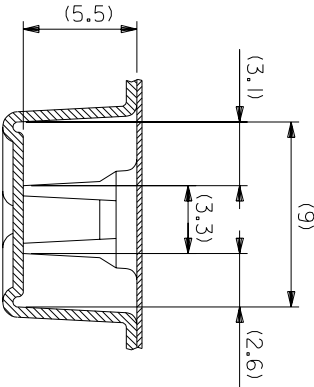
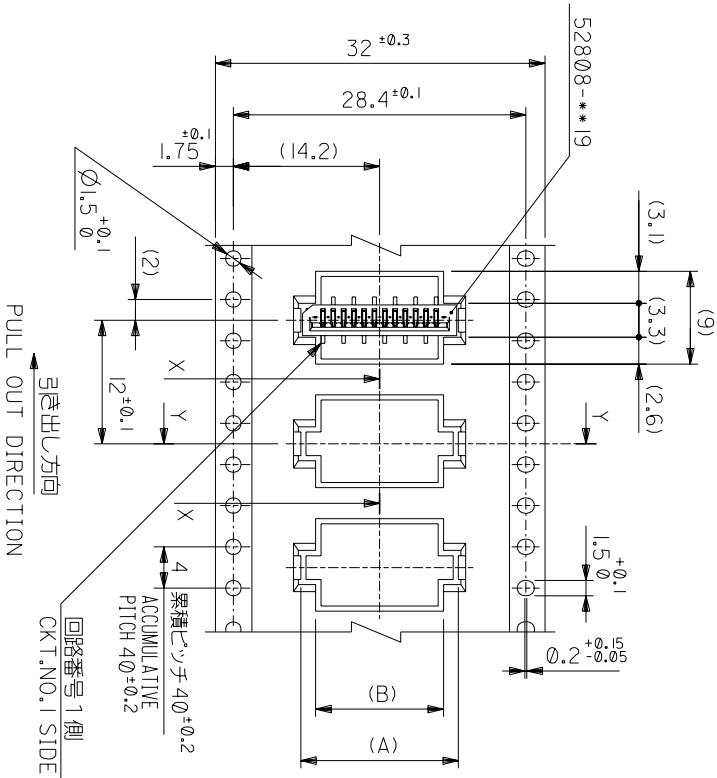
52808-***70	
MODEL NO.	
 MOLEX-JAPAN CO.,LTD. モレックス株式会社 TITLE 名称 I.Ø FFC Conn NON ZIF SMT ST EmbStd Pkg -LEAD FREE- DWG. NO. (SHEET 1 OF 6) REV SD-52808-028 0	
REVISE ONLY ON CAD SYSTEM	
材料 注記参照 MATERIAL SEE NOTES	仕上げ FINISH — //
適用電線範囲 WIRE RANGE — //	被覆外径 INS. RANGE — //
DRAWN BY 04/02/19 CHK'D BY 04/02/19 M.NABEI M.SASAO APP'D BY 04/02/19 尺度 M.SASAO SCALE — //	M.N 04/02/19 M.S 04/02/19 Dr. 日付 CHK. DATE
角度 ANGLE 30° 30 以上 10 以上 30 UNDER 10.25 10 UNDER 10.2 一般公差 GENERAL TOLERANCES	記号 LTR 変更内容 REVISION RECORD 12004-2320 新規作成 RELEASED

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 EN-01032MXJ-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°
10°以下	10°
10°以下	10°

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	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

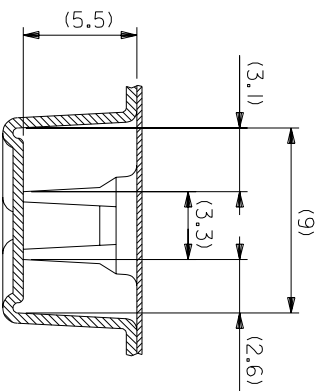
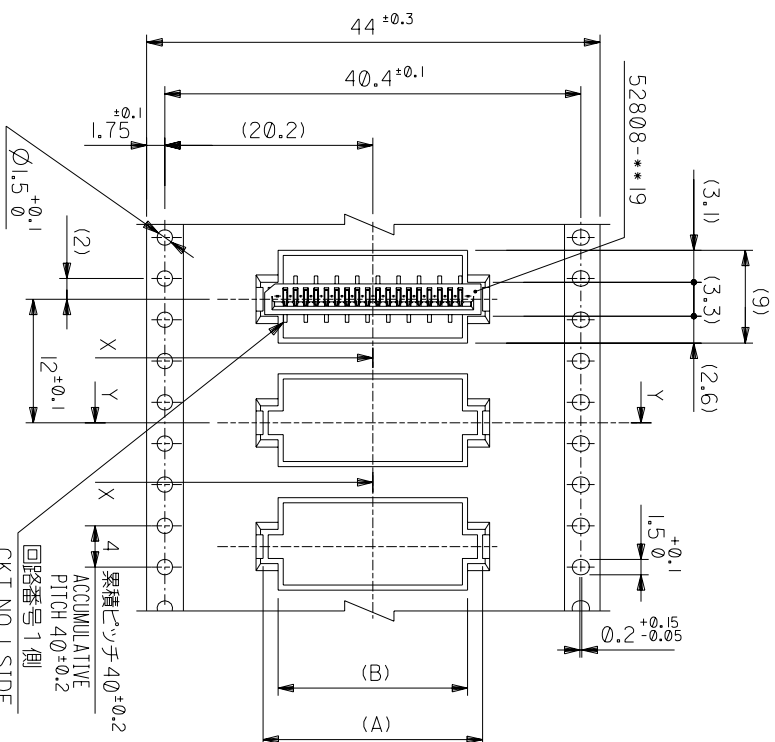
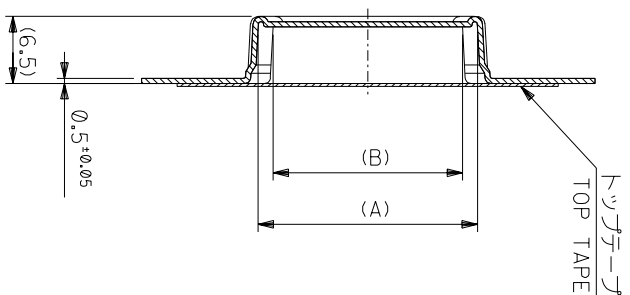
材料 MATERIAL SHEET 10F 6 参照
REFER TO SHEET 10F 6

仕上げ FINISH
適用電線範囲 INS. RANGE
—#—

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

尺度 SCALE —#—
M.SASAO

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



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

SECT:Y-Y

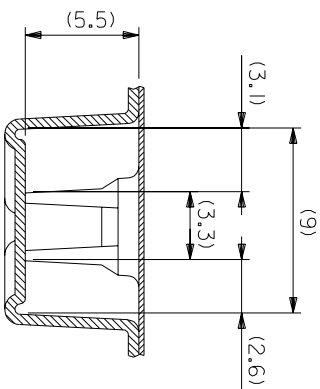
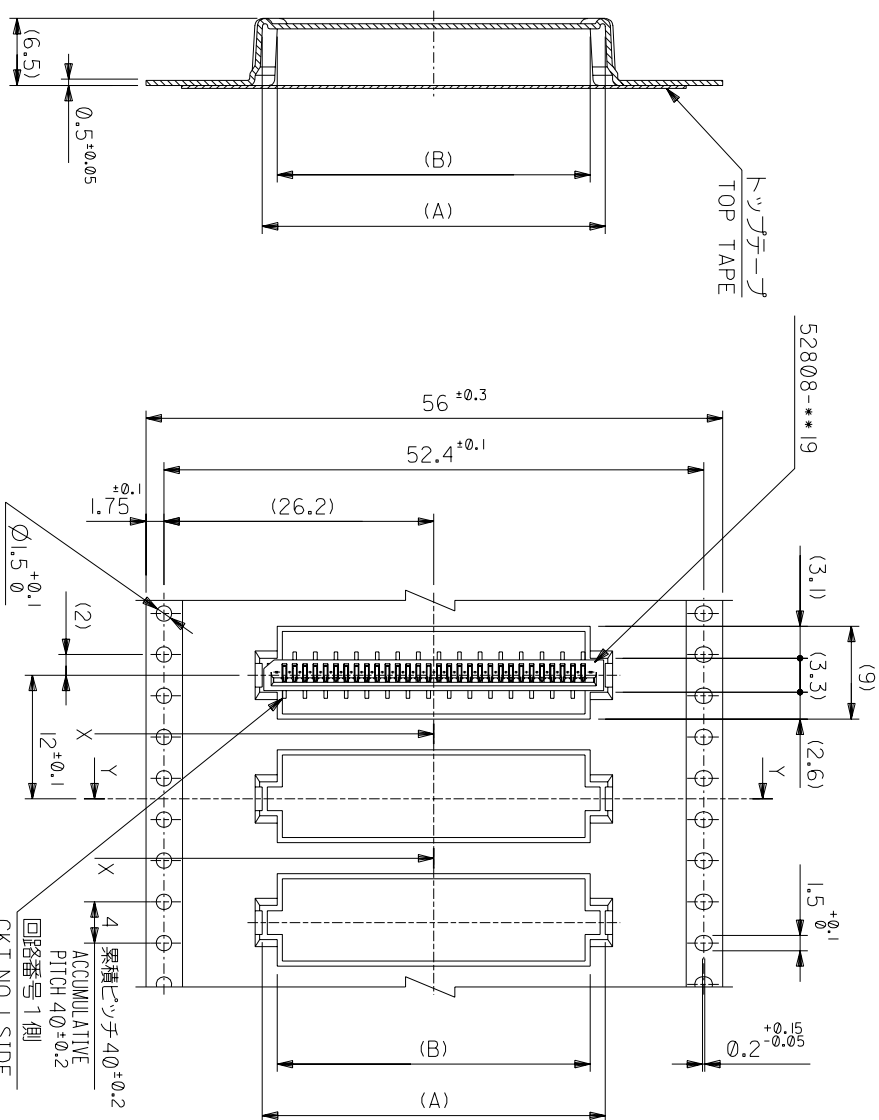
44mm幅キヤリテージ

44mm WIDTH CARRIER TAPE

リッチ40±0.2 RELATIVE 0±0.2 1側 1 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
52808-1770	18.4	21.3	52808-1870	18		
	17.4	20.3	52808-1770	17		
	16.4	19.3	52808-1670	16		
MODEL NO.	CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	極数 Ckt.

材料 MATERIAL		SHEET 1 OF 6 参照		MOLEX-JAPAN CO.,LTD.	
REFER TO SHEET 1 OF 6				MOLEX 日本モロックス株式会社	
仕上げ FINISH		—#—		REVISE ONLY ON CAD SYSTEM	
適用電線範囲 WIRE RANGE		—#—		TITLE 名称	
被覆外径 INS. RANGE		—#—		1.0 FFC Conn NON ZIF	
DRAWN BY 04/02/19 CHK'D BY 04/02/19				SMT ST Embstd Pkg	
M.NABEI M.SASAO				-LEAD FREE-	
DWG. NO. (SHEET 5 OF 6)		REV			
SD-52808-028		0			

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 EN-01C0321MX-J-32



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.	キヤリ子ノリ幅 CARRIER TAPE WIDTH	C	(B)	(A)	MATERIAL NO.	種数 CCT.

角度 ANGLE	30°	適用電線範圍 WIRE RANGE	—#—	1.0 STC Conn NON ZIF SMT ST Embstd Pkg -LEAD FREE- DWG. NO. (SHEET 6 OF 6) SD-52808-028 REV 0
30以上	0.3	被覆外径 INS. RANGE	—#—	
10以上 30 UNDER	0.25	DRAWN BY 04/02/19	CHK'D BY 04/02/19	
10 UNDER	0.2	M.N. (M, NABE)	M.S. (M, SASAO)	
GENERAL TOLERANCES	0	新規作成 (12/004-2520) REL'D		
一般公差		變更內容 LTR	DR. DATE	
REVISION RECORD		CHK. DATE	APP'D BY 04/02/19	尺度 SCALE
			M, SASAO	—#—

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.
日本モレックス株式会社

TITLE 名称

1.0 FFC Conn NON ZIF
SMT ST Embstp Pkg
-LEAD FREE-

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

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