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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](mailto: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.

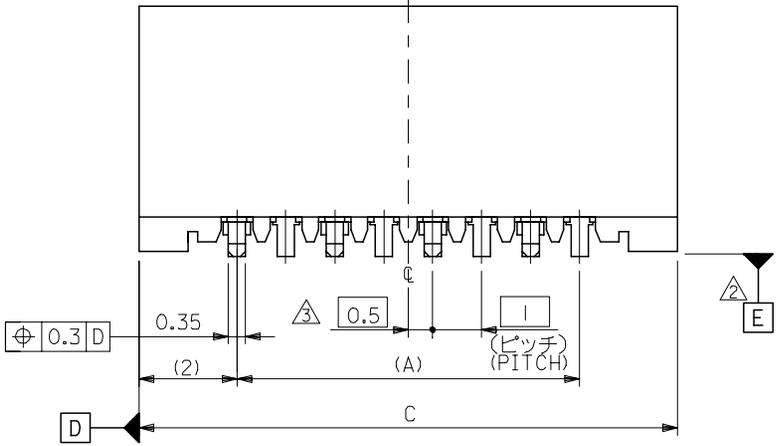
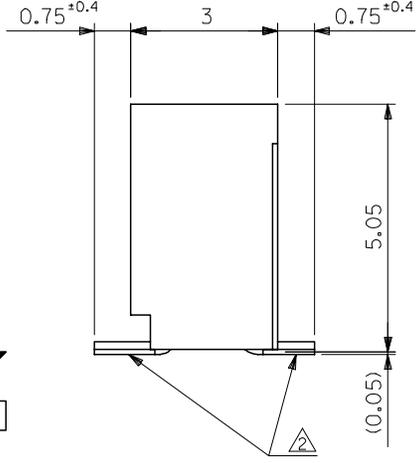
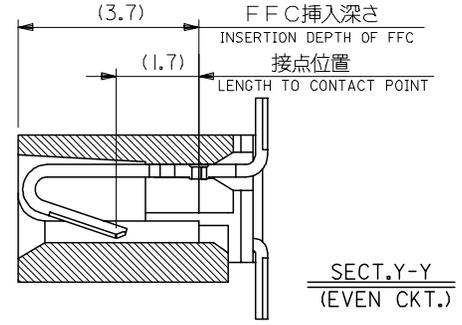
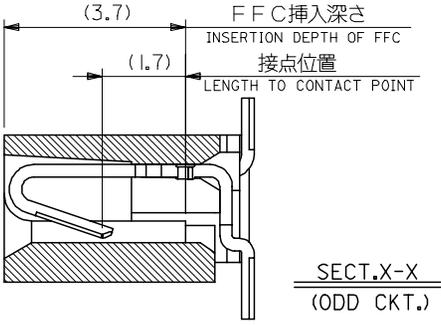
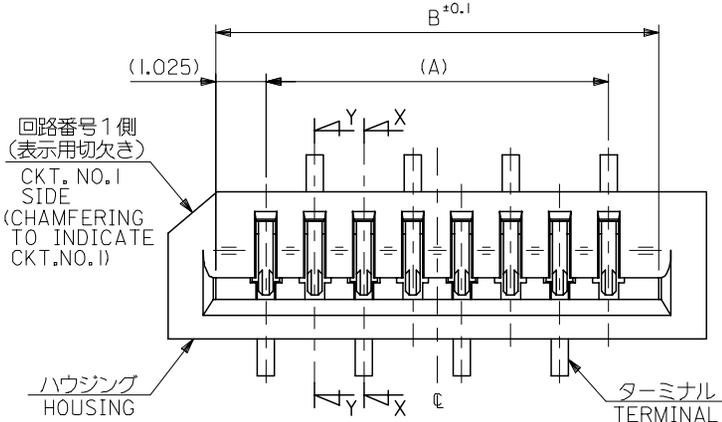
**Search Parts in this Series**

[52808Series](#)

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10 9 8 7 6 5 4 3 2 1

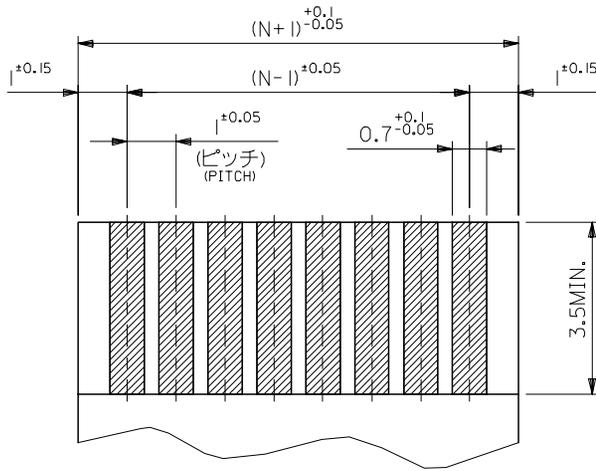


33	31.05	29	52808-3019	30
32	30.05	28	-2919	29
31	29.05	27	-2819	28
30	28.05	26	-2719	27
29	27.05	25	-2619	26
28	26.05	24	-2519	25
27	25.05	23	-2419	24
26	24.05	22	-2319	23
25	23.05	21	-2219	22
24	22.05	20	-2119	21
23	21.05	19	-2019	20
22	20.05	18	-1919	19
21	19.05	17	-1819	18
20	18.05	16	-1719	17
19	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

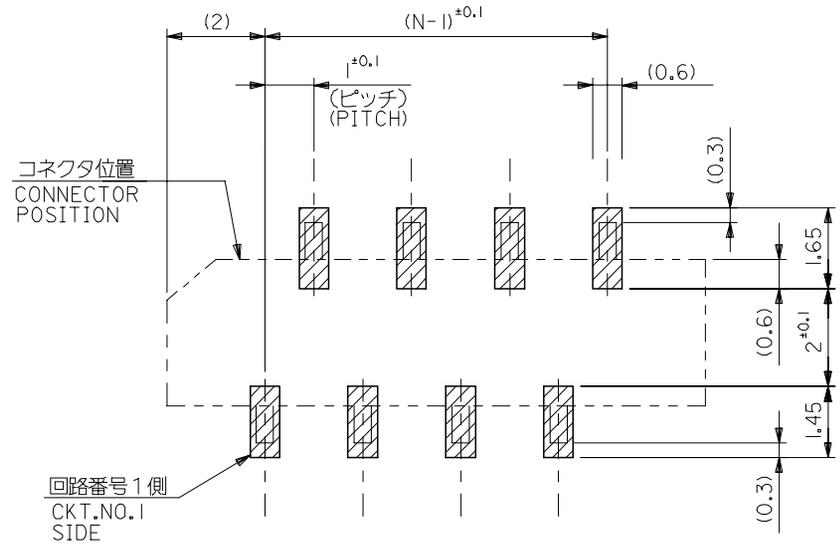
注記 NOTES:

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 (±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0.1 MAX. 下方向0.15 MAX. 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 DRW: NABE1 2005/11/04 CHK: KYOYODA 2005/11/07 APP: NUKITA 2005/11/11	DESCRIPTION	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	MATERIAL NO. 52808-**-19				
		30 OVER	±0.3	APPROVED BY M. SASAO	DATE '04/02/19	DOCUMENT NO. SD-52808-027				
ANGULAR ±3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		SHEET NO. 1 OF 1				



(仕上がり厚さ)  $0.3^{+0.03}$   
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。

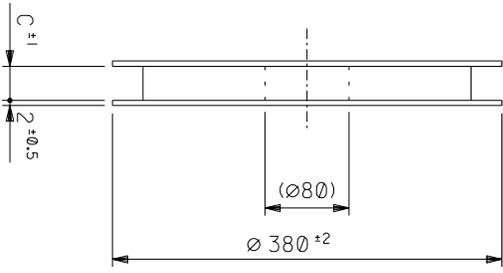
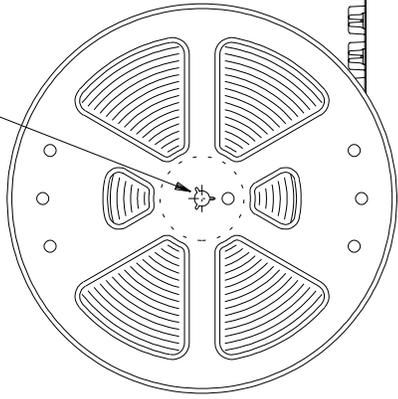
ABOUT FPC:

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

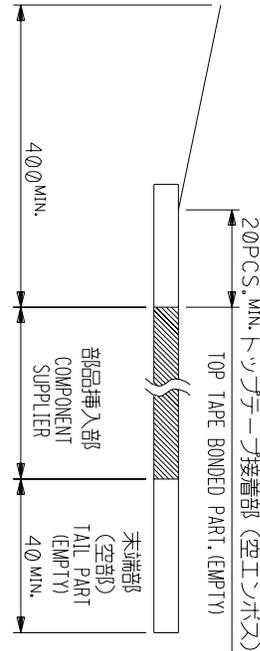
RECOMMENDED MATERIAL:  
STIFFENER FILM: POLYIMIDE  
BONDING AGENT: THERMOSETTING BONDING AGENT

REVISED EC NO: J2006-1497 DRWN: NABEI 2005/11/04 CHKDK: TOYODA 2005/11/07 APPR: NUKITA 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. 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	MOLEX INCORPORATED DOCUMENT NO. SD-52808-027 SHEET NO. 2 OF 2			
	30 OVER	±0.3	APPROVED BY M. SASAO	DATE '04/02/19				
	ANGULAR	±3 °	MATERIAL NO. SEE CHART					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	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



引き出し方向  
PULL OUT DIRECTION

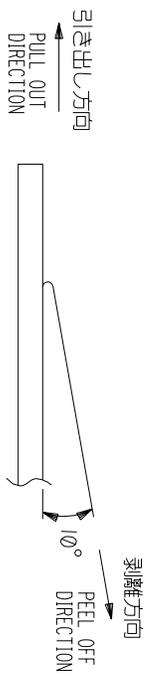


NOTES

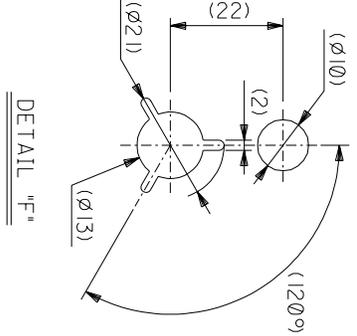
1. 製品詳細寸法については図面 SD-52808-027 を参照下さい。  
RE DETAILED DIMENSION, SEE SD-52808-027
2. 梱包数量: 1000個/リール  
NUMBER OF CONNECTORS: 1000PCS/REEL
3. リードテープ長さ LEAD TAPE LENGTH  
20PCS. MIN. リードテープ接着部 (空エンプティ)

4. トッパテープの剥離強度:  $0.1 \sim 1.3N (10 \sim 130gf)$  (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:  $0.1 \sim 1.3N (10 \sim 130gf)$   
(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(REEF): ポリスチレン(PS) <リサイクル材を含む>  
POLYSTYRENE(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

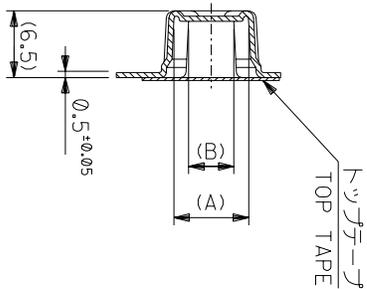


DETAIL "F"

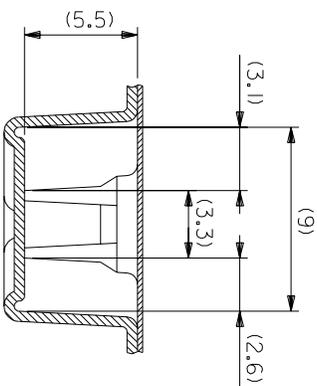
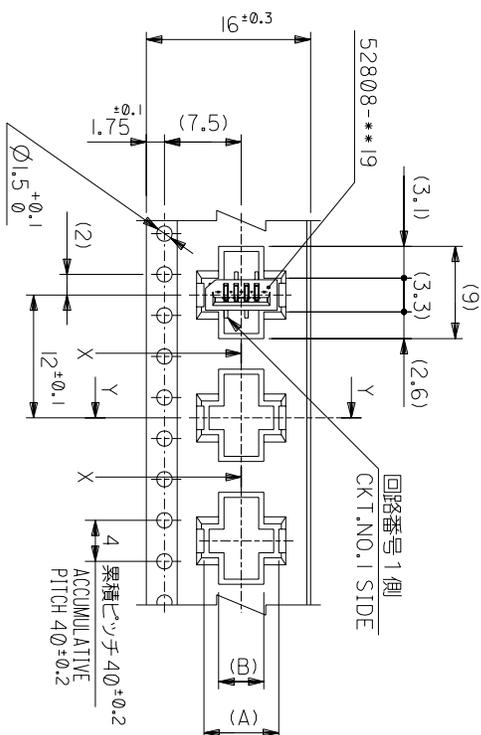
角度 ANGLE	$\pm 3^\circ$
30以上	$\pm 0.3$
10以下	$\pm 0.25$
10未満	$\pm 0.2$
10 UNDER	
GENERAL TOLERANCES	

記号	0	0	0	0	0	0	0	0	0
TR	TR	TR	TR	TR	TR	TR	TR	TR	TR
REVISION RECORD	変更内容	DATE	DR. CHK.	DATE	DR. CHK.	DATE	DR. CHK.	DATE	DR. CHK.
0	新規作成	12004-2528	M.N.	04/02/19	M.N.	04/02/19	M.N.	04/02/19	M.N.
1	変更内容		M.S.	04/02/19	M.S.	04/02/19	M.S.	04/02/19	M.S.
2									
3									
4									
5									
6									
7									
8									

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SECT:Y-Y



16mm幅キャリアテープ  
16mm WIDTH CARRIER TAPE

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

記号	新規作成	02004-2528
TR	変更内容	
GENERAL	REVISION RECORD	

DR-CHK.	DATE
M.S.	M/W/02/19
MAN	

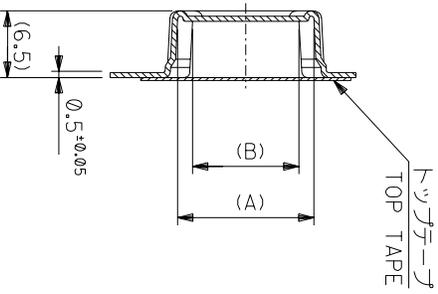
仕上げ FINISH	#
適用電線範囲 WIRE RANGE	#
標準外径 INS. RANGE	#
DRAWN BY	M/W/02/19
CHK'D BY	M/W/02/19
APP'D BY	M/SASAO
尺度 SCALE	#

REVISE ONLY ON CAD SYSTEM	
TITLE 名称	MOLEX-JAPAN CO.,LTD.
1.0 FCC CONN NON ZIF	MOLEX 日本モリス株式会社
SMT ST Embstd PKG	
-LEAD FREE-	
DWG. NO.	SD-52808-028
(SHEET 2 OF 6)	
REV	0

MODEL NO.	52808-**-70	16	17.5	5.4	8.3	52808-0570	5
CARRIER TAPE WIDTH				4.4	7.3	52808-0470	4
MATERIAL NO.		C	(B)	(A)			種数 CKT.

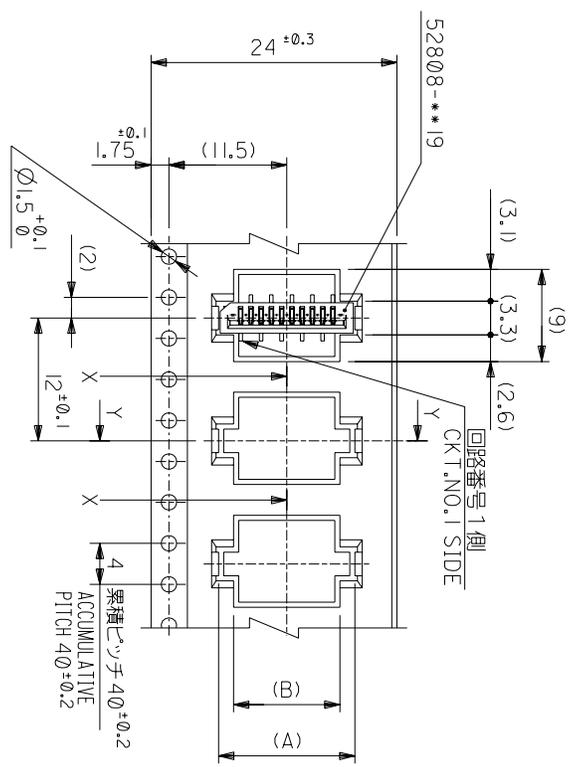
材料 MATERIAL SHEET 1 OF 6 参照  
REFER TO SHEET 1 OF 6

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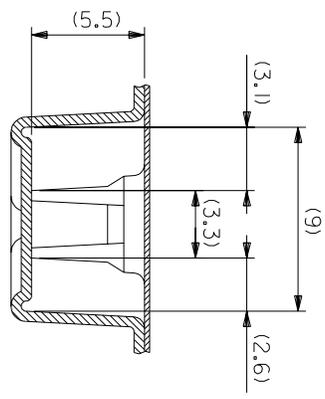


SECT:Y-Y

24mm幅キヤリヤテープ  
24mm WIDTH CARRIER TAPE



引き出し方向  
PULL OUT DIRECTION



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

MODEL NO.	52808-**70	キャリアテープ幅 CARRIER TAPE WIDTH	24	25.5	10.4	13.3	52808-1070	10
		材料 MATERIAL	24	25.5	9.4	12.3	52808-0970	9
		REFER TO SHEET 1 OF 6			8.4	11.3	52808-0870	8
					7.4	10.3	52808-0770	7
					6.4	9.3	52808-0670	6
								種数 CKT.

角度 ANGLE	3°	仕上げ FINISH	—	REVISE ONLY ON CAD SYSTEM
30以上 30以下	10.2	適用電線範囲 WIRE RANGE	—	TITLE 名称
10以下 10 UNDER	14.25	標準外径 INS. RANGE	—	I.O FFC Conn NON ZIF
未測 UNDEP	16.2	DRAWN BY 04/02/19 M.NABEI	尺 SCALE	SMT ST Embstd PKG
一般公差 GENERAL TOLERANCES		CHK'D BY 04/02/19 M.SASAO	—	-LEAD FREE-
		REVISION RECORD		DWG. NO. (SHEET 3 OF 6)
		記号 LTR		SD-52808-028
		新規作成 REFERSD		REV
		変更内容 REVISION		0
		DR- M.N		
		CHK. M.S		
		DATE 04/02/19		

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SD-52808-028.S03







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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

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