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Part Number:	**0520452845**
Status:	**Active**
Overview:	
Description:	1.25mm (.049") Vertical, Non-ZIF Receptacle, 28 Circuits

Agency Certification

UL	E29179

General

Product Family	FFC/FPC Connectors
Series	52045
Overview	ffc_fpc_throughhole
Product Name	N/A

Physical

Circuits (Loaded)	28
Color - Resin	Gray
Contact Position	N/A
Entry Angle	Vertical
Mated Height (in)	0.315 In
Mated Height (mm)	8.00 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.138 In
PC Tail Length (mm)	3.50 mm
PCB Retention	None
Packaging Type	Tray
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
Plating min: Mating (µin)	32.00, 36
Plating min: Mating (µm)	0.800, 0.90
Plating min: Termination (µin)	BARB
Plating min: Termination (µm)	0.80, 0.90
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole - Kinked Pin
Wire/Cable Type	FFC/FPC

Electrical

Current - Maximum per Contact	0.5A, 1A
Voltage - Maximum	200V

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-52045
Product Specification	PS-52045-001, RPS-52045-003, RPS-52045-006
Sales Drawing	SD-52045-**45

EU RoHS   **China RoHS**

ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Halogen-Free

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

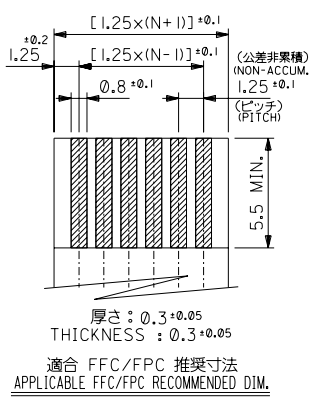Please visit the Contact Us section for any non-product compliance questions.

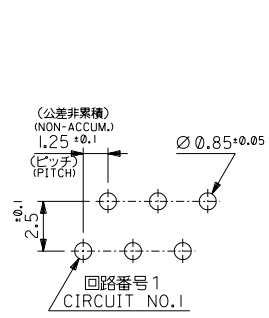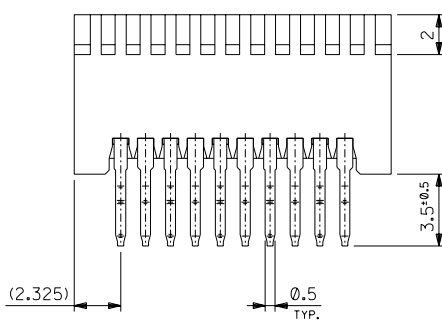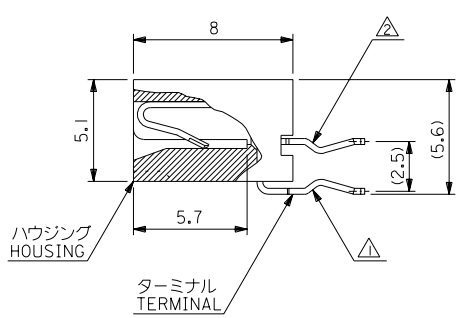**Search Parts in this Series**
52045Series

図面 SD-52045-**45

Drawing Labels

- C ±0.3
- B
- A
- 1.05
- 1.275
- 1.25 (ピッチ) (PITCH)
- 回路番号 CIRCUIT NUMBER
- 8
- 5.1
- 5.7
- (2.5)
- (5.6)
- ハウジング HOUSING
- ターミナル TERMINAL
- 2
- 3.5 ±0.5
- (2.325)
- 0.5 TYP.

Recommended P.C. Board Hole Dim.

- (公差非累積) (NON-ACCUM.) 1.25 ±0.1 (ピッチ) (PITCH)
- 2.5 ±0.1
- Ø 0.85 ±0.05
- 回路番号1 CIRCUIT NO.1
- 基板取付穴推奨寸法 RECOMMENDED P.C.BOARD HOLE DIM.
- (厚さ：1.6) (THICKNESS ：1.6)

Applicable FFC/FPC Recommended Dim.

- [1.25×(N+1)] ±0.1
- [1.25×(N-1)] ±0.1 (公差非累積) (NON-ACCUM.) 1.25 ±0.1 (ピッチ) (PITCH)
- ±0.2 1.25
- 0.8 ±0.1
- 5.5 MIN.
- 厚さ：0.3 ±0.05 THICKNESS ：0.3 ±0.05
- 適合 FFC/FPC 推奨寸法 APPLICABLE FFC/FPC RECOMMENDED DIM.

注記 NOTES

1. 奇数極ソルダーテール。 ODD CIRCUIT SOLDER TAIL.
2. 偶数極ソルダーテール。 EVEN CIRCUIT SOLDER TAIL.
3. 材質 MATERIAL
   ターミナル：リン青銅 (t=0.3)
   メッキ：錫メッキ 0.9 μm 以上
   リフロー処理
   TERMINAL ：PHOSPHOR BRONZE (t=0.3)
   PLATING ：Sn 0.9 μm MIN.
   REFLOW TREATMENT.
   ハウジング：PBTP, UL94V-0 (灰色)
   HOUSING ：PBTP, UL94V-0 (GRAY)

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

DWG. NO. SD-52045-**45

Dimension Table

無鉛 LEAD FREE

C	B	A	ENG.NO.	NO.OF CKT. 極数
53.4	51.3	48.75	52045-4045	40
52.15	50.05	47.5	-3945	39
50.9	48.8	46.25	-3845	38
49.65	47.55	45	-3745	37
48.4	46.3	43.75	-3645	36
47.15	45.05	42.5	-3545	35
45.9	43.8	41.25	-3445	34
44.65	42.55	40	-3345	33
43.4	41.3	38.75	-3245	32
42.15	40.05	37.5	-3145	31
40.9	38.8	36.25	-3045	30
39.65	37.55	35	-2945	29
38.4	36.3	33.75	-2845	28
37.15	35.05	32.5	-2745	27
35.9	33.8	31.25	-2645	26
34.65	32.55	30	-2545	25
33.4	31.3	28.75	-2445	24
32.15	30.05	27.5	-2345	23
30.9	28.8	26.25	-2245	22
29.65	27.55	25	-2145	21
28.4	26.3	23.75	-2045	20
27.15	25.05	22.5	-1945	19
25.9	23.8	21.25	-1845	18
24.65	22.55	20	-1745	17
23.4	21.3	18.75	-1645	16
22.15	20.05	17.5	-1545	15
20.9	18.8	16.25	-1445	14
19.65	17.55	15	-1345	13
18.4	16.3	13.75	-1245	12
17.15	15.05	12.5	-1145	11
15.9	13.8	11.25	-1045	10
14.65	12.55	10	-0945	9
13.4	11.3	8.75	-0845	8
12.15	10.05	7.5	-0745	7
10.9	8.8	6.25	-0645	6
9.65	7.55	5	-0545	5
8.4	6.3	3.75	-0445	4
7.15	5.05	2.5	52045-0345	3

Title Block

単位 DESIGN UNITS	mm
角度 ANGLE	±3°
30 以上 OVER	±0.3
10 以上 30 未満 OVER UNDER	±0.25
10 未満 UNDER	±0.2
一般公差 GENERAL TOLERANCES	

記号 LTR	変更内容 REVISION RECORD	DR.	日付 DATE
D	変更 REVISED (J2003-1093)	K.Y, M.T	'02/10/21
C	変更 REVISED (J2002-1856)	K.Y, M.T	'02/2/1
B	再作図 REDRAWN (J40473)	T.N, H.H	'94/6/15

材料 MATERIAL 注記参照 SEE NOTES

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

DRAWN BY '94/6/15 T.NIITSU
CHK'D BY '94/6/16 H.HIRAMOTO
APP'D BY '94/6/16 M.FUKUSHIMA
尺度 SCALE 5 - 1

MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM
TITLE 名称
1.25 FFC CONNECTOR
HS'G ASS'Y ST. TYPE

DWG. NO. SD-52045-**45
REV D

52045.540

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EN-01C(032)MXJ-32