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Part Number: 0520453145
Status: Active
Overview:
Description: 1.25mm (.049") Vertical, Non-ZIF Receptacle, 31 Circuits

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

China RoHS

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

Agency Certification

UL	E29179

General

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

Physical

Circuits (Loaded)	31
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

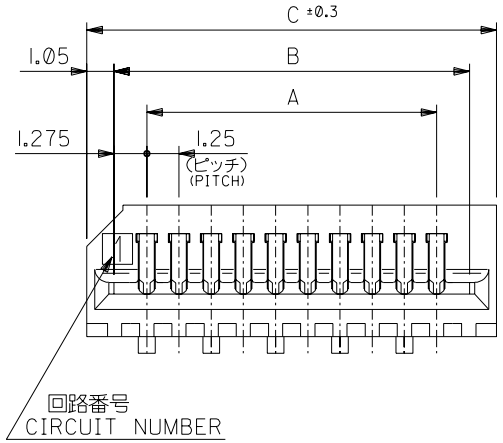
Reference - Drawing Numbers

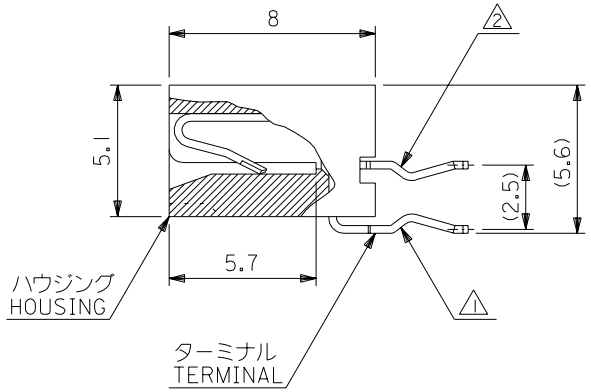
Packaging Specification	SPK-52045
Product Specification	PS-52045-001, RPS-52045-003, RPS-52045-006
Sales Drawing	SD-52045-**45

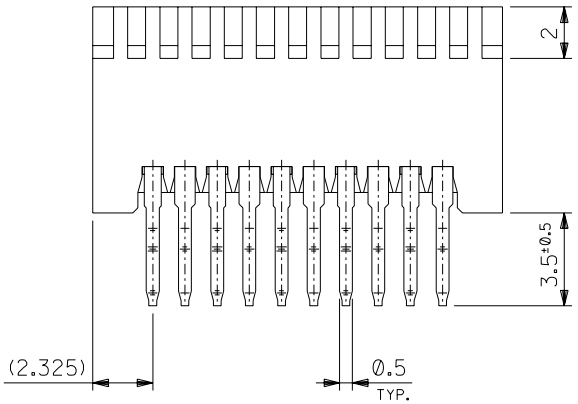
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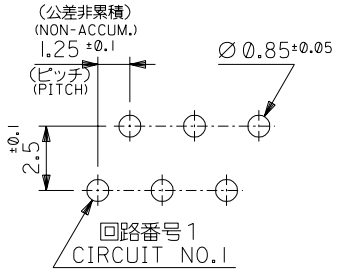
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DWG. NO. SD-52045-**45



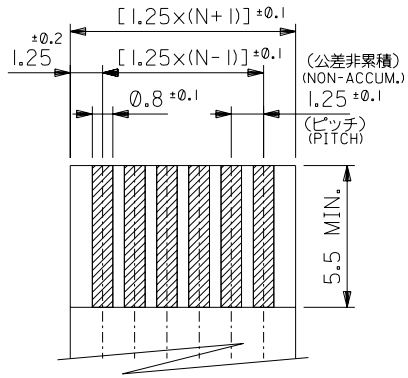






基板取付穴推奨寸法
RECOMMENDED P.C.BOARD HOLE DIM.

(厚さ：1.6)
(THICKNESS : 1.6)



厚さ：0.3±0.05
THICKNESS : 0.3±0.05

適合 FFC/FPC 推奨寸法
APPLICABLE FFC/FPC RECOMMENDED DIM.

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

注記 NOTES

1. ⚠1 奇数極ソルダーテール。
   ODD CIRCUIT SOLDER TAIL.
2. ⚠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 0.9μm 以上
   リフロー処理
   TERMINAL : PHOSPHOR BRONZE (t=0.3)
   PLATING : Sn 0.9μm MIN.
   REFLOW TREATMENT.
   ハウジング：PBTP, UL94V-0 (灰色)
   HOUSING : PBTP, UL94V-0 (GRAY)

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.	CHK.	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

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

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