

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0520451545](#)
Status: **Active**
Overview:
Description: 1.25mm (.049") Vertical, Non-ZIF Receptacle, 15 Circuits

Agency Certification

UL E29179

General

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

Physical

Circuits (Loaded) 15
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
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not Halogen-Free

China RoHS



Need more information on product environmental compliance?

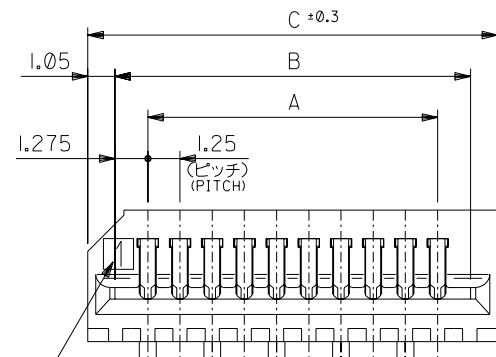
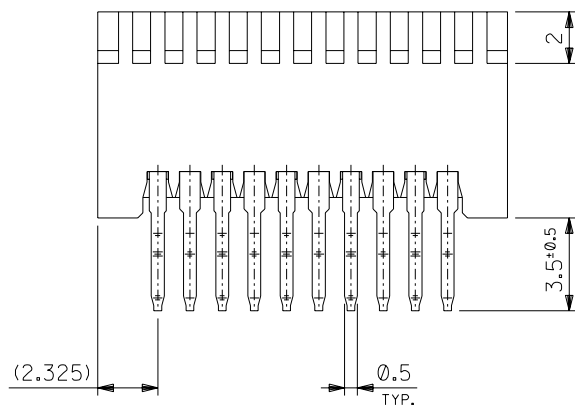
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[52045Series](#)

This document was generated on 06/04/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

回路番号
CIRCUIT NUMBER

注記 NOTES

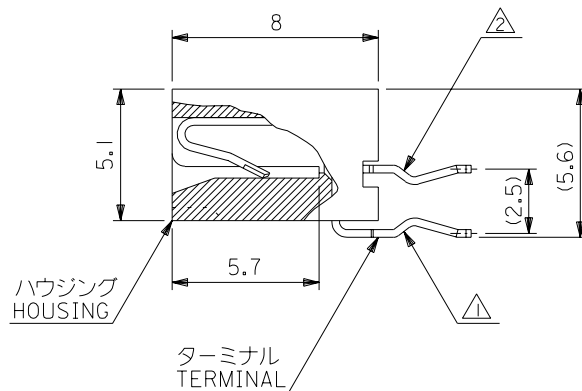
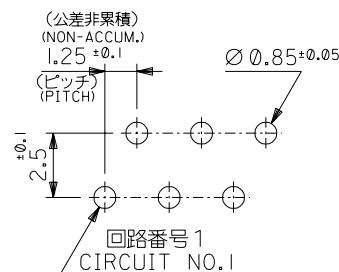
- ⚠ 奇数極ソルダーテール。
ODD CIRCUIT SOLDER TAIL.
- ⚠ 偶数極ソルダーテール。
EVEN CIRCUIT SOLDER TAIL.

3. 材質 MATERIAL

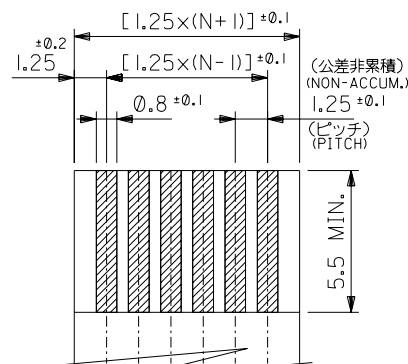
ターミナル：リン青銅 (t=0.3)
メッキ：錫メッキ 0.9 μm 以上
リフロー処理

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)

ハウジング
HOUSINGターミナル
TERMINAL

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

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
C	B	A	ENG. NO.	NO. OF CKT. 極数

				材料 MATERIAL	注記参照 SEE NOTES	molex MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
				仕上げ FINISH	—H—	REVISE ONLY ON CAD SYSTEM	
				適用電線範囲 WIRE RANGE	—H—	TITLE 名称	
				被覆外径 INS. RANGE	—H—	1.25 FFC CONNECTOR HS'G ASS'Y ST. TYPE	
				DRAWN BY '94/6/16 T.NIITSU	CHK'D BY '94/6/16 H.HIRAMOTO	DWG. NO.	
				APP'D BY '94/6/16 M.FUKUSHIMA	尺度 SCALE 5 - 1	SD-52045-***45	
				日付 DATE		REV	
				DR. CHK.		D	
単位 DESIGN UNITS	mm			記号 LTR	変更内容 REVISION RECORD		
角度 ANGLE	±3°						
30 以上 OVER	±0.3	D	変更 REVISED (J2003-1093)	K.Y.	'02/10/21		
10 以上 30 未満 OVER UNDER	±0.25	C	変更 REVISED (J2002-1856)	K.Y.	'02/2/1		
10 未満 UNDER	±0.2	B	再作図 REDRAWN (J40473)	T.N.	'94/6/16		
一般公差 GENERAL TOLERANCES							