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Part Number: [0524181810](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Board-to-Board Receptacle, Right Angle, Single Row, Friction Lock, 18 Circuits

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-52418-002 \(PDF\)](#)
[Product Specification PS-52418-003 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family PCB Receptacles
Series [52418](#)
Application Board-to-Board
Product Name N/A

Physical

Circuits (Loaded) 18
Color - Resin Natural
Durability (mating cycles max) 30
Glow-Wire Compliant No
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Polyester
Number of Rows 1
Orientation Right Angle
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.079 In
Pitch - Mating Interface (mm) 2.00 mm
Plating min: Mating (µin) 36
Plating min: Mating (µm) 0.90
Plating min: Termination (µin) 36
Plating min: Termination (µm) 0.90
Polarized to PCB No
Surface Mount Compatible (SMC) No
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole - Kinked Pin

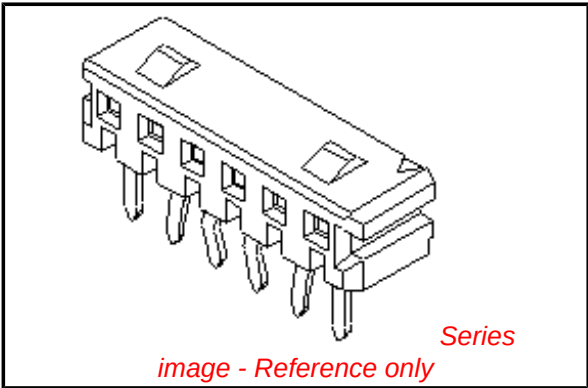
Electrical

Current - Maximum per Contact 1.5A
Voltage - Maximum 125V

Material Info

Reference - Drawing Numbers

Product Specification PS-52418-002, PS-52418-003, RPS-52418-001, RPS-52418-004
Sales Drawing SD-52418-**10



EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Halogen-Free
Status**

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
[52418Series](#)

Mates With
[53290](#)

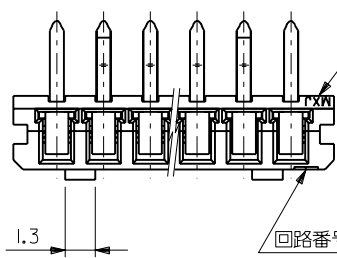
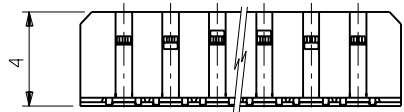
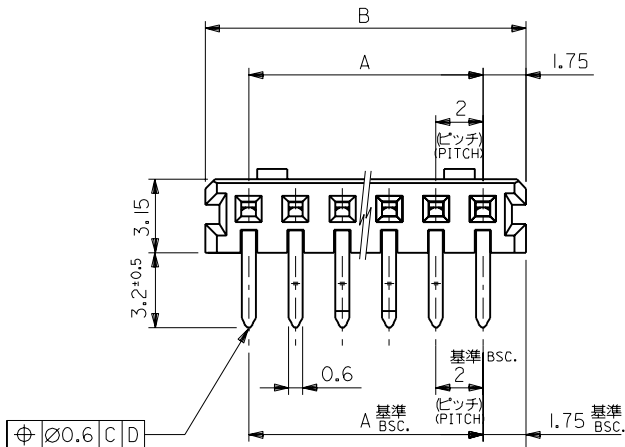
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ENG. NO.
SD-52418-**-10

EDP NO.

MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

8 7 6 5 4 3 2 1



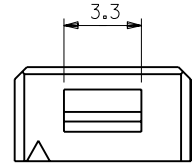
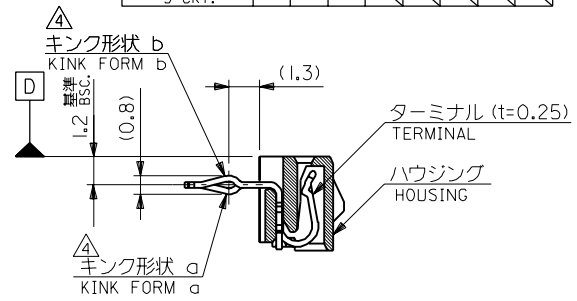
トレードマーク
TRADE MARK

回路番号 1 表示△マーク
CIRCUIT NO.1△ MARK

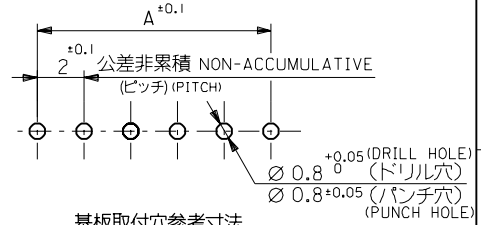
注記 NOTES

- 材料 MATERIAL
ハウジング: PBT (ガラス15%入り), UL 94V-0
HOUSING G.F. 15%
ターミナル: リン青銅, 錫メッキ
TERMINAL PHOS.BRO. PRE-TINNED
- 嵌合相手: 53290-**-10, -**20
MATES WITH
- 各部のソリは0.2MAX.
CAMBER: 0.2MAX.
- キンクは、下記表の位置に付加。
KINK TO BE APPLIED AS FOLLOWS.
(N: 極数 CKT.)

極数 CKT.	回路番号 Ckt. No.	1	2	3	4	5	N-2	N-1	N
6 極以上 MORE THAN 6 CKT.		—	a	b	—	—	b	a	—
5 極 5 CKT.		a	b	—	b	a			
4 極 4 CKT.		a	b	b	a				
3 極 3 CKT.		a	b	a					



3 極の場合
IN CASE OF
3 CIRCUIT HOUSING



基板取付穴参考寸法
RECOMMENDED P.C.B. BOARD
HOLE DIM. (REFERENCE)
(t=1.6)

41.5	38	52418-2010	20
39.5	36	-1910	19
37.5	34	-1810	18
35.5	32	-1710	17
33.5	30	-1610	16
31.5	28	-1510	15
29.5	26	-1410	14
27.5	24	-1310	13
25.5	22	-1210	12
23.5	20	-1110	11
21.5	18	-1010	10
19.5	16	-0910	9
17.5	14	-0810	8
15.5	12	-0710	7
13.5	10	-0610	6
11.5	8	-0510	5
9.5	6	-0410	4
7.5	4	52418-0310	3
B	A	ENG. NO.	極数 CKT.

				材料 MATERIAL				注記参照 SEE NOTES		MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
				仕上げ FINISH				— // —		EDP. NO.	
				適用電線範囲 WIRE RANGE				— // —		ENG. NO.	
				被覆外径 INS. RANGE				— // —		REV C	
				DRAWN BY '90/7/11 S. AIHARA				CHK'D BY '93/9/23 T. ITO		TITLE 名称	
				APP'D BY '93/9/23 M. FUKUSHIMA				尺度 SCALE —//—		2.0 BOARD TO BOARD CONN. HOUSING ASS'Y (R/A)	
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