

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0534081479

Status:

Active

Description:

1.00mm (.039") Pitch Plug, Surface Mount, Dual Row, Vertical Stacking, 18.00mm (.709") Stack Height, Lead-free, 140 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-52584-003 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Product Name

PCB Headers

53408

Board-to-Board

N/A

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Shrouded

Stackable

Temperature Range - Operating

Termination Interface: Style

No

140

140

Natural

50

No

No

No

None

None

0.709 In, 0.785 In

18.00 mm, 19.94 mm

Phosphor Bronze

Gold

Tin

High Temperature Thermoplastic

2

Vertical

Yes

Yes

0.040 In

1.00 mm

Tube

0.039 In

1.00 mm

10

0.25

40

1

No

Fully

No

-55°C to +85°C

Surface Mount

Electrical

Current - Maximum per Contact

Voltage - Maximum

0.5A

100V

Material Info

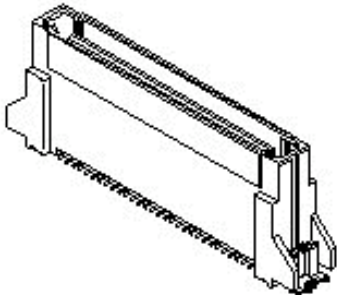


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

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

53408Series

Mates With

PCB Receptacle [52584](#) , [52602](#)

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-52584-003, RPS-500017-002, RPS-52584-010
SD-53408-007, SD-53408-008

This document was generated on 04/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

DWG. NO.
SD-53408-007

E

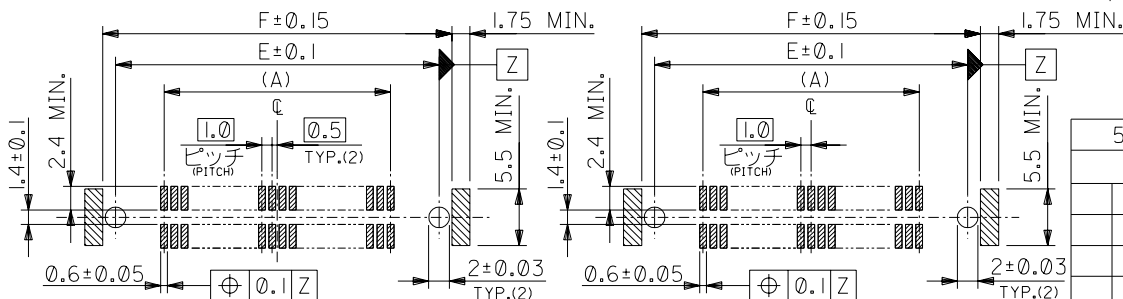
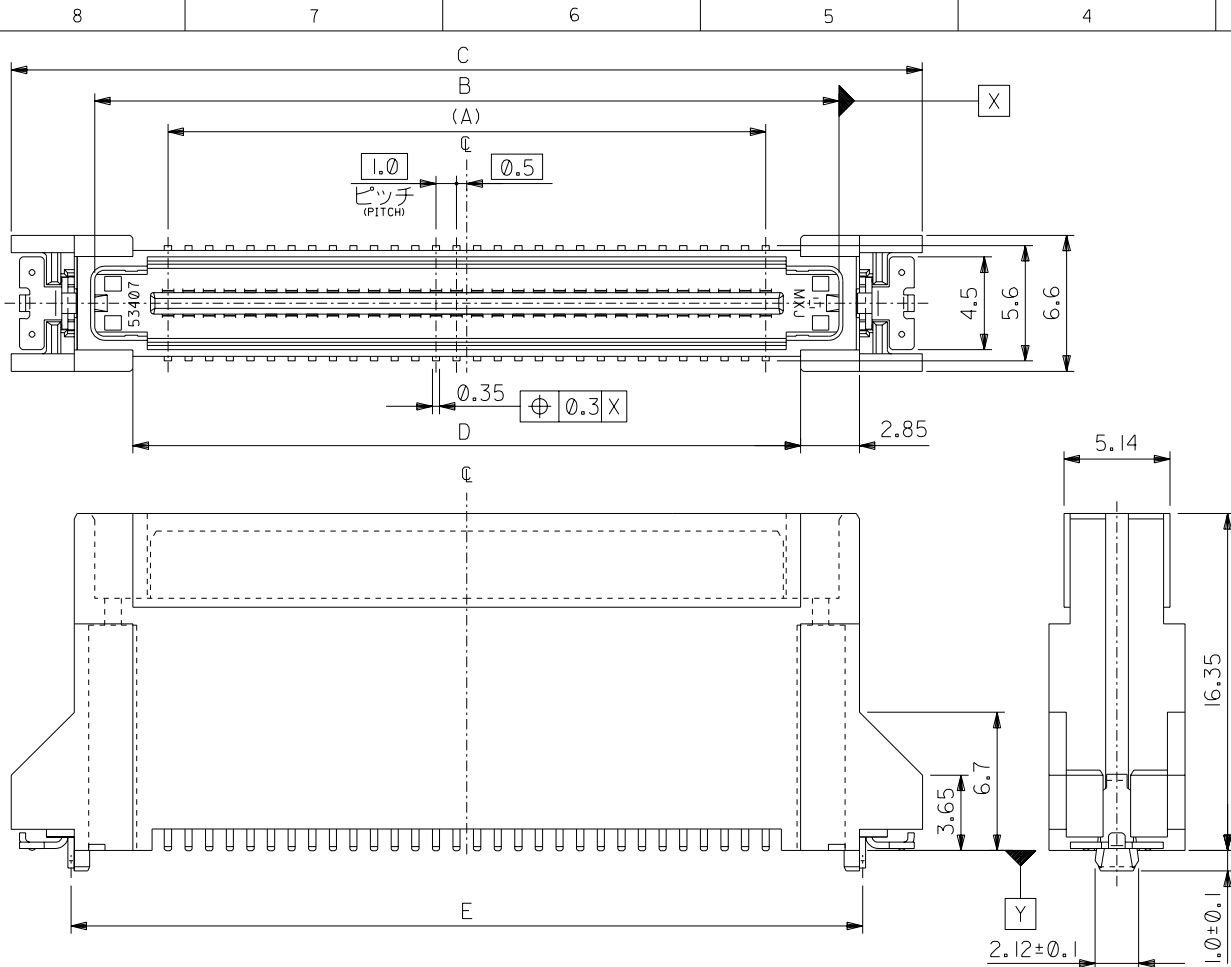
D

C

B

A

・MM
DIMENSIONS IN METRIC DO NOT SCALE DRAWING



推奨基板寸法 (20,24,60,80,100,120,140極)
RECOMMENDED PCB PATTERN LAYOUT (20,24,60,80,100,120,140CKTS.)

推奨基板寸法 (50極)
RECOMMENDED PCB PATTERN LAYOUT (50 CKTS.)

8. 本製品は 53408-***0 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53408-***0

注)
NOTES

1. 材質
MATERIAL

ハウジング: ガラス入りLCP、白色、UL94V-0
HOUSING: G.F.LCP, WHITE, UL94V-0
ターミナル: 燐青銅 (t=0.2)
TERMINAL: PHOSPHOR BRONZE
金属ペグ: 燐青銅
METAL PEG: PHOSPHOR BRONZE

2. メッキ仕様
PLATING

ターミナル 接点部: 金メッキ0.25 MICROMETER MIN.
TERMINAL CONTACT AREA: GOLD 0.25 MICROMETER MIN.
半田付け部: 錫メッキ 1.0 MICROMETER MIN.
SOLDER TAIL AREA: TIN 1.0 MICROMETER MIN.
下地メッキ: ニッケルメッキ 2.0 MICROMETER MIN.
UNDER-PLATING: NICKEL 2.0 MICROMETER MIN.
金属ペグ 半田付け部: 錫メッキ 1.0 MICROMETER MIN.
METAL PEG SOLDER TAIL AREA: TIN 1.0 MICROMETER MIN.
下地メッキ: ニッケルメッキ 1.0 MICROMETER MIN.
UNDER-PLATING: NICKEL 1.0 MICROMETER MIN.

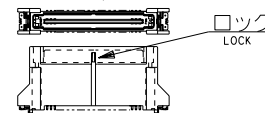
3. 推奨基板厚
RECOMMENDED PCB THICKNESS

1.0±0.1mm

4. テールのバラツキ寸法
TAIL COPLANARITY

テールは、Y面を基準とし、上へ0.02 下へ0.15の範囲に
めし、且つテール平坦度は0.15とする。
TAILS TO BE WITHIN 0.02 UPWARD AND 0.15 DOWNWARD FROM Y-DATUM PLANE,
AND TAIL COPLANARITY TO BE 0.15.

5. ロックは、20、24、50極に設置する。
LOCK TO BE ADDED TO 20,24 AND 50 CKTS.



6. 梱包
PACKAGING

本製品はスティック梱包とし梱包後のMATERIAL NO. は
53408-***79とする。

THIS PRODUCTS TO BE PACKED IN TUBE. MATERIAL NO.: 53408-***79

7. 同一基板内に複数個 (2個以上) の使用は避けてください。
MXJ DOES NOT RECOMMEND THE USAGE OF TWO OR MORE OF THESE CONNECTORS
BETWEEN A SINGLE PAIR OF P.C.B.OARD.

80.9	78.4	72.4	84.2	76.02	69	53408-1470	140
70.9	68.4	62.4	74.2	66.02	59	53408-1270	120
60.9	58.4	52.4	64.2	56.02	49	53408-1070	100
50.9	48.4	42.4	54.2	46.02	39	53408-0870	80
40.9	38.4	32.4	44.2	36.02	29	53408-0670	60
35.9	33.4	27.4	39.2	31.02	24	53408-0570	50
22.9	20.4	14.4	26.2	18.02	11	53408-2470	24
							極数
							NO.OF CKTS.
80.9	78.4	72.4	84.2	76.02	69	53408-1470	140
70.9	68.4	62.4	74.2	66.02	59	53408-1270	120
60.9	58.4	52.4	64.2	56.02	49	53408-1070	100
50.9	48.4	42.4	54.2	46.02	39	53408-0870	80
40.9	38.4	32.4	44.2	36.02	29	53408-0670	60
35.9	33.4	27.4	39.2	31.02	24	53408-0570	50
22.9	20.4	14.4	26.2	18.02	11	53408-2470	24
							極数
							NO.OF CKTS.

53408-***70
MODEL NO.

材料
MATERIAL

注参照
SEE NOTES

molex MOLEX-JAPAN CO.,LTD.
日本モレックス株式会社

仕上げ
FINISH

注参照
SEE NOTES

REVISE ONLY ON CAD SYSTEM

適用電線範囲
WIRE RANGE

—#—

TITLE 名称

被覆外径
INS. RANGE

—#—

1.0 B-T0-B

DRAWN BY '04/03/11

CHK'D BY '04/03/11

S/T PLUG HS'G ASS'Y

APP'D BY '04/03/11

尺度
SCALE

-LEAD FREE-

DR. CHK. DATE

尺度
SCALE

DWG. NO. SD-53408-007

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

記号 LTR	新規作成 RELEASED (J2004-3029)	M.N. K.T	日付 DATE
変更内容 REVISION RECORD			

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

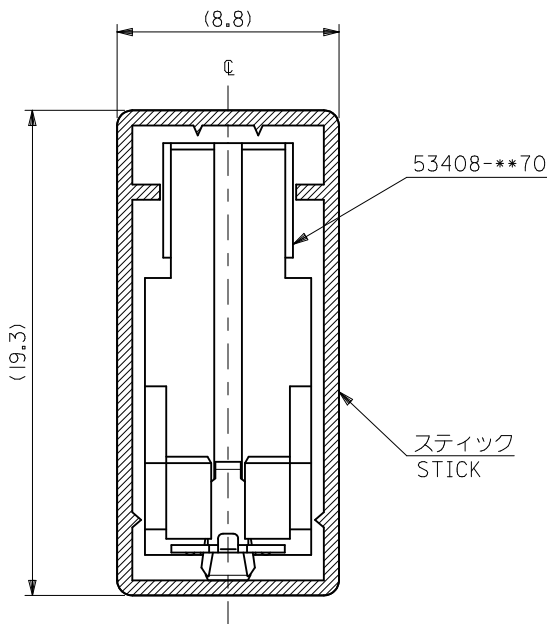
E

D

C

B

A



注記
NOTES

1. スティック両端はキャップ止め。
BOTH ENDS WITH CAPS.
2. 全 長 : 600 ± 2
TOTAL LENGTH
3. 肉 厚 : 0.6 ± 0.2
THICKNESS
4. 本製品は 53408-***9 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 53408-***9.

6	53408-1479	140
7	53408-1279	120
8	53408-1079	100
10	53408-0879	80
13	53408-0679	60
14	53408-0579	50
21	53408-2479	24

MATERIAL

スティック : ポリ塩化ビニル
STICK : P.V.C.

REVISED
EC NO: J2010-1426
2010/01/25
DRWRTS:RUOKA
2010/01/27
CHKD:THARUYAMA
2010/01/27
APPR:HIRATA

DESCRIPTION	
GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	± ---
10 OVER 30 UNDER	± ---
30 OVER	± ---
ANGULAR	± --- °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

53408-***79		MODEL NO.		梱包数 QUANTITY	MATERIAL No.		極数 NO. OF CKTS
DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		
DRAWN BY MINOMIYA		DATE '04/03/11	53408-***70 STICK PACKAGING -LEAD FREE-				
CHECKED BY KTOJO		DATE '04/03/11					
APPROVED BY MSASAO		DATE '04/03/11					
MATERIAL NO.			DOCUMENT NO.		SHEET NO.		
SEE TABLE			SD-53408-008			1 OF 1	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							