

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0554015019

Status:

Contact Molex

Overview:

qf50

Description:

2.54mm (.100") Pitch QF-50™ Flat Ribbon Cable Header, Dual Row, Vertical, Shrouded Header with Eject Levers, 50 Circuits, Side Mating Keys, Lead-free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-54559-005 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Overview

Product Name

PCB Headers

55401

Wire-to-Board

qf50

QF-50™

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

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 Mating Part

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

No

50

50

Black

500

No

No

No

None

Yes

Brass

Gold

Tin

Polyester

2

Vertical

No

Yes

0.062 In

1.60 mm

Tray

0.100 In

2.54 mm

12

0.3

101.6

2.54

Yes

Fully

No

No

-40°C to +85°C

Through Hole

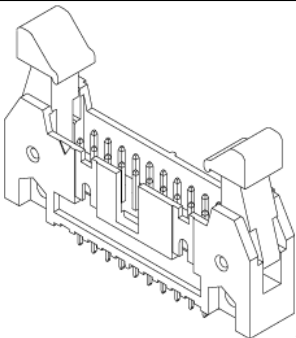
Electrical

Current - Maximum per Contact

Voltage - Maximum

1A

300V



Series
image - Reference only

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

55401Series

Mates With

54559 QF-50™ Flat Cable Receptacle Housing

Material Info

Reference - Drawing Numbers

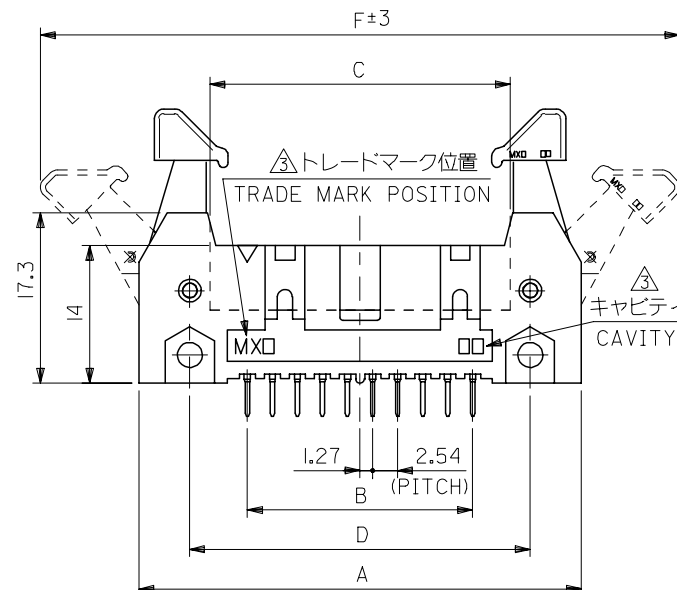
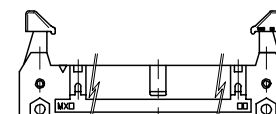
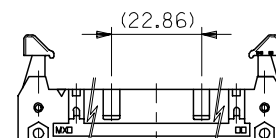
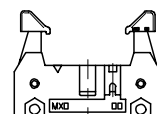
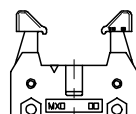
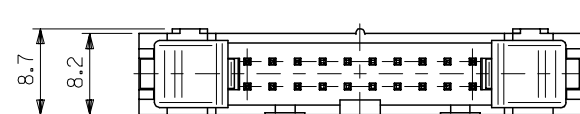
Product Specification
Sales Drawing

PS-54559-005, RPS-54559-017
SD-55401-004

This document was generated on 06/02/2010

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10 9 8 7 6 5 4 3 2 1



10極に適用。

14極に適用。

55401-5011,6011,6411に適用。

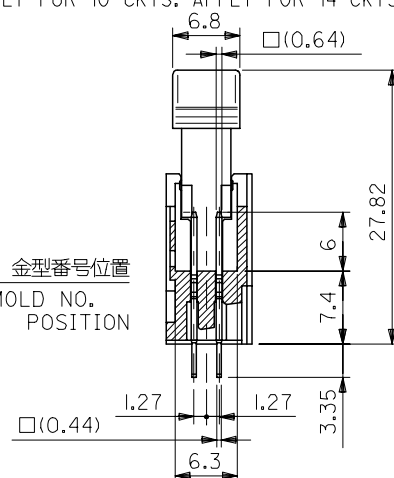
55401-5031,6031,6431に適用。

APPLY FOR 10 CKTS. APPLY FOR 14 CKTS.

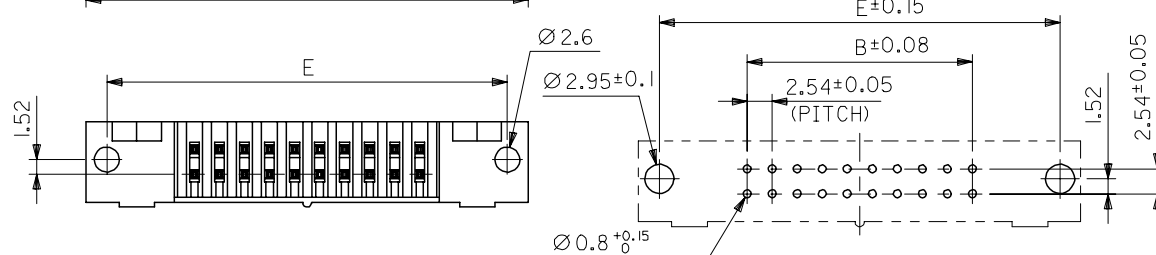
注記 NOTES

- 材料ハウジング : PBT (UL94V-0), 黒色
レバー : PBT (UL94V-0), 黒色
ターミナル : リン青銅 (ニッケル下地 錫・金メッキ)
MATERIAL HOUSING : PBT, UL94V-0, BLACK
TERMINAL: PHOS.BRO. (Au, Sn PLATING, NI UNDER-PLATING)
- 嵌合相手 : 54559-***11, 54559-***21 (50極以上は除く) は55401-***19に適用。
54559-5021,6021,6421,***41は55401-***39に適用。
MATE WITH : 54559-***11, 54559-***21 (EXCLUDES MORE THAN 50 CKT.)
SUITS 55401-***19.
54559-5021,6021,6421,***41 SUITS 55401-***39.

△トレードマーク : MXプラス1文字の製造工場を示すアルファベットにて構成
但し、JはJAPANを示す。(例 MX J)
キャビティー番号 : 1桁の数字で表示
金型番号 : アルファベット1文字にて構成。
FORMED BY MX AND I MORE LETTER OF ALPHABET WHICH MEAN
THE MANUFACTORY, BUT "J" MEANS JAPAN. (TO TRADE MARK)
(e.g. MXJ)
AND BY I DIGIT NUMBER (TO CAVITY NO.)
AND BY I LETTER OF ALPHABET (TO MOLD NO.)



SECT. L-L



推奨基板厚 : 1.6mm
RECOMMENDED P.C.BOARD
THICKNESS 1.6mm

基板穴推奨寸法

RECOMMENDED P.C.BOARD LAYOUT

注記 NOTES

- 本製品は 55401-***1 の鉛フリー品である。
THIS PRODUCT IS LEAD FREE OF 55401-***1.

材料 MATERIAL	SEE NOTES
仕上げ FINISH	SEE NOTES
適用電線範囲 WIRE RANGE	— # —
被覆外径 INS. RANGE	— # —

GENERAL TOLERANCES (UNLESS SPECIFIED)	
10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY		SCALE 2:1	MODEL NO. DESIGN UNITS METRIC	55401-***9 THIRD ANGLE PROJECTION
DRAWN BY MNABE I	DATE '04/09/16	TITLE 2.54 FLAT CABLE CONN HEADER ASSY -LEAD FREE-		
CHECKED BY KTOJO	DATE '04/09/16			
APPROVED BY NUKITA	DATE '04/09/16	MOLEX INCORPORATED		
MATERIAL NO. SEE CHART		DOCUMENT NO. SD-55401-004		SHEET NO. 1 OF 1
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

120.31	96.52	90.42	86.34	78.74	100.74	55401-6439	64
						55401-6419	
115.23	91.44	85.34	81.26	73.66	95.66	55401-6039	60
						55401-6019	
102.53	78.74	72.64	68.56	60.96	82.96	55401-5039	50
						55401-5019	
89.83	66.04	59.94	55.86	48.26	70.26	55401-4019	40
82.21	58.42	52.32	48.24	40.64	62.64	55401-3419	34
77.13	53.34	47.24	43.16	35.56	57.56	55401-3019	30
72.05	48.26	42.16	38.08	30.48	52.48	55401-2619	26
64.43	40.64	34.54	30.46	22.86	44.86	55401-2019	20
59.35	35.56	29.46	25.38	17.78	39.78	55401-1619	16
56.81	33.02	26.92	22.84	15.24	37.24	55401-1419	14
51.73	27.94	21.84	17.76	10.16	32.16	55401-1019	10
F	E	D	C	B	A	MATERIAL NO. CKT.	