

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0554013419](#)
Status: **Contact Molex**
Overview: [qf50](#)
Description: 2.54mm (.100") Pitch QF-50™ Flat Ribbon Cable Header, Dual Row, Vertical, Shrouded Header with Eject Levers, 34 Circuits, Lead-free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)

[Product Specification PS-54559-005 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

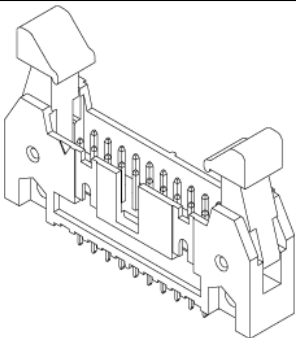
Product Family	PCB Headers
Series	55401
Application	Wire-to-Board
Overview	qf50
Product Name	QF-50™

Physical

Breakaway	No
Circuits (Loaded)	34
Circuits (maximum)	34
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	2
Orientation	Vertical
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)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Plating min: Mating (µin)	12
Plating min: Mating (µm)	0.3
Plating min: Termination (µin)	101.6
Plating min: Termination (µm)	2.54
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	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

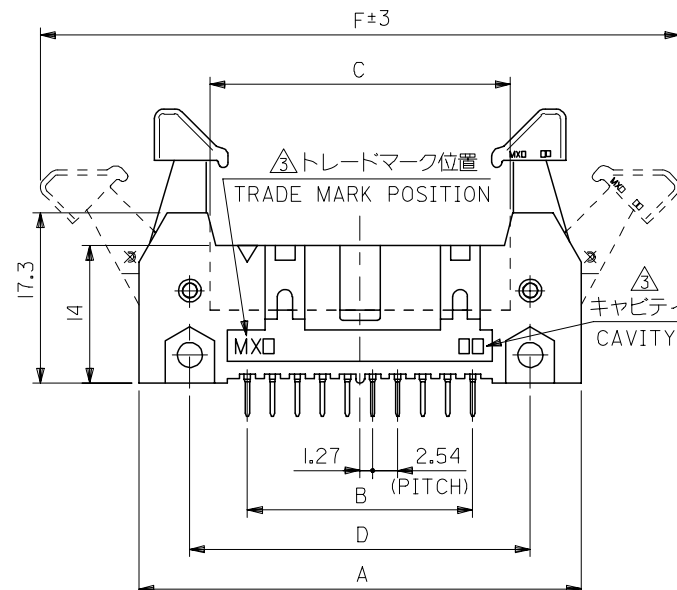
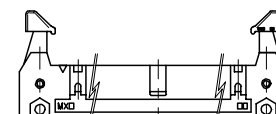
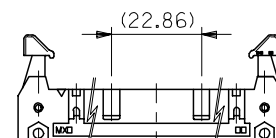
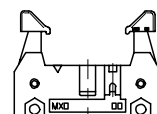
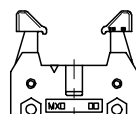
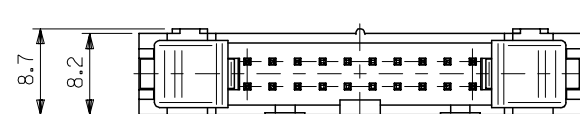
Product Specification
Sales Drawing

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。

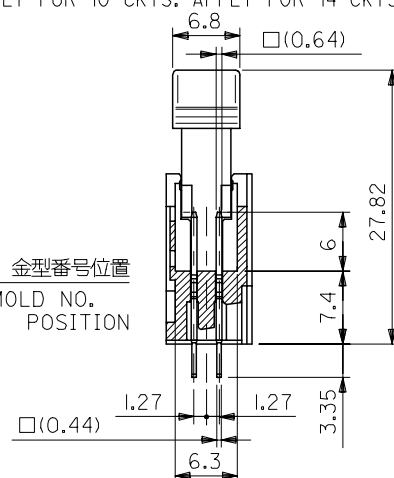
55401-5031,6031,6431に適用。

APPLY FOR 10 CKTS. APPLY FOR 14 CKTS.

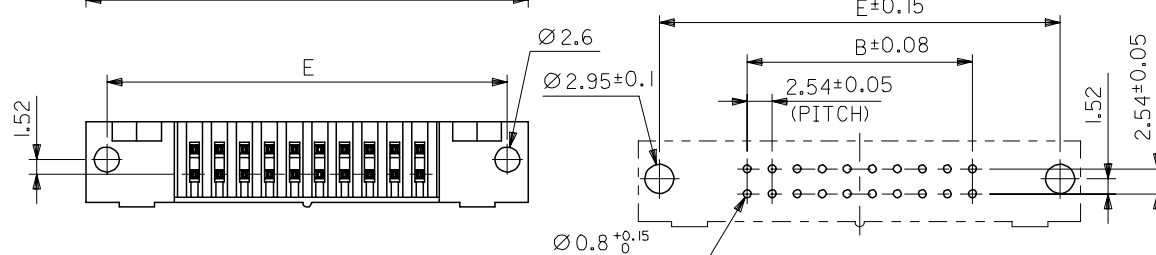
注記 NOTES

- 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-***1, 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. 55401-***9	DESIGN UNITS METRIC	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					