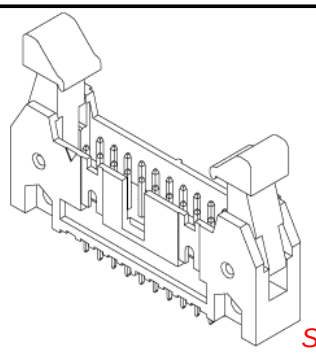
molex
one company > a world of innovation

This document was generated on 06/02/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0554012019
Status: Contact Molex
Overview: qf50
Description: 2.54mm (.100") Pitch QF-50™ Flat Ribbon Cable Header, Dual Row, Vertical, Shrouded Header with Eject Levers, 20 Circuits, Lead-free



Series image - Reference only

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)	20
Circuits (maximum)	20
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

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
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
55401Series

Mates With
54559 QF-50™ Flat Cable Receptacle Housing

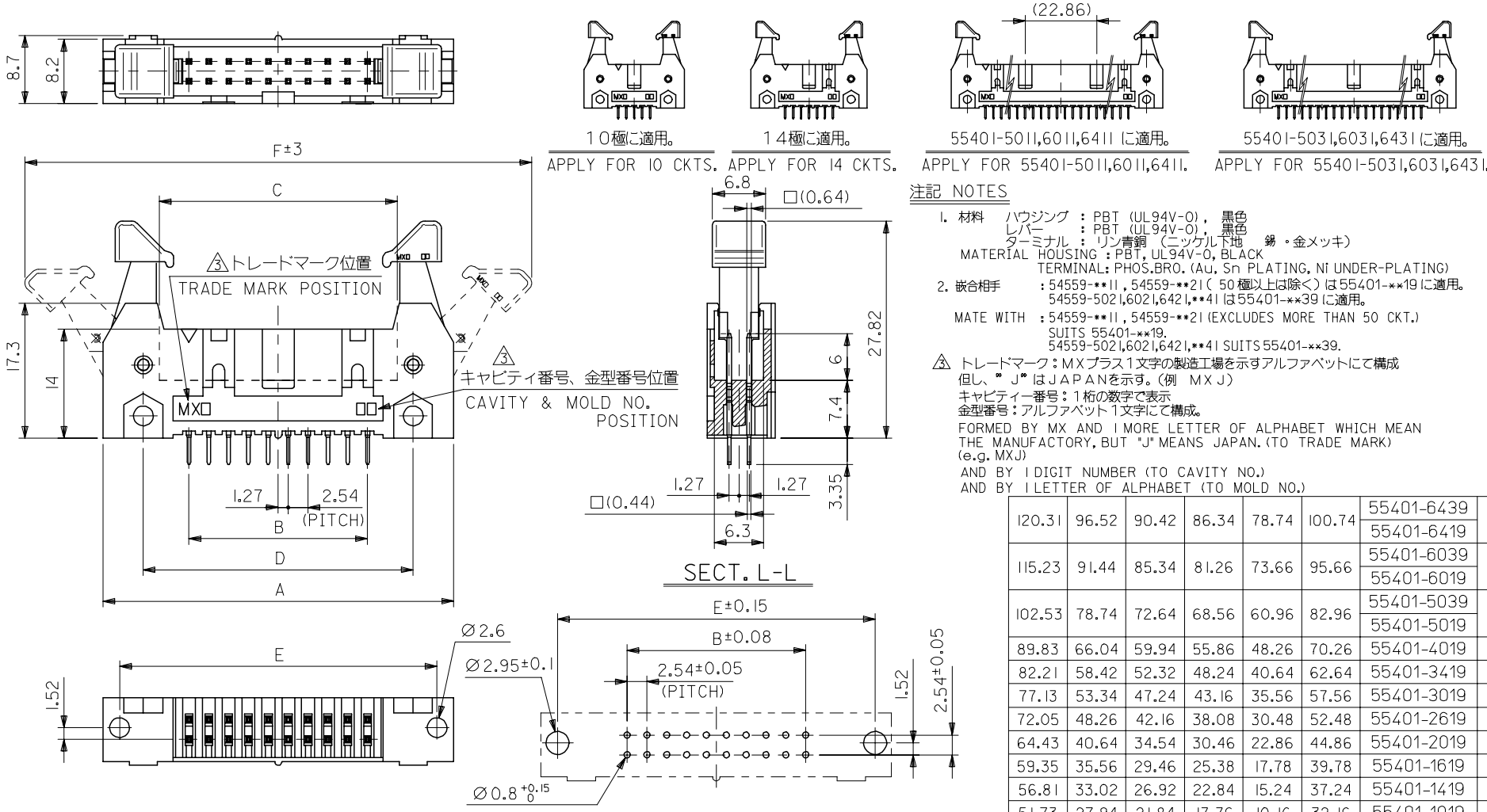
Material Info

Reference - Drawing Numbers

Product Specification	PS-54559-005, RPS-54559-017
Sales Drawing	SD-55401-004

This document was generated on 06/02/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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

1. 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)
2. 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.
△3 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　MXJ）
　キャビティー番号：1桁の数字で表示
　金型番号：アルファアベット1文字にて構成。
　FORMED BY MX AND 1 MORE LETTER OF ALPHABET WHICH MEAN THE MANUFACTORY, BUT "J" MEANS JAPAN. (TO TRADE MARK) (e.g. MXJ)
　AND BY 1 DIGIT NUMBER (TO CAVITY NO.)
　AND BY 1 LETTER OF ALPHABET (TO MOLD NO.)

120.31	96.52	90.42	86.34	78.74	100.74	55401-6439 / 55401-6419	64
115.23	91.44	85.34	81.26	73.66	95.66	55401-6039 / 55401-6019	60
102.53	78.74	72.64	68.56	60.96	82.96	55401-5039 / 55401-5019	50
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.

MODEL NO. 55401-***9

注記 NOTES

4. 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	—//

RELEASED
EC NO: J2005-0827　2004/09/17
DRWN:MNABEI　2004/09/17
CHKD:KTOJO　2004/09/17
APPR:NUKITA　2004/09/27
DESCRIPTION
REV 0

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
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	MNABEI
DATE	'04/09/16
CHECKED BY	KTOJO
DATE	'04/09/16
APPROVED BY	NUKITA
DATE	'04/09/16
TITLE	2.54 FLAT CABLE CONN HEADER ASSY -LEAD FREE-
	MOLEX INCORPORATED
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SD-55401-004
SHEET NO.	1 OF 1
SIZE	A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION