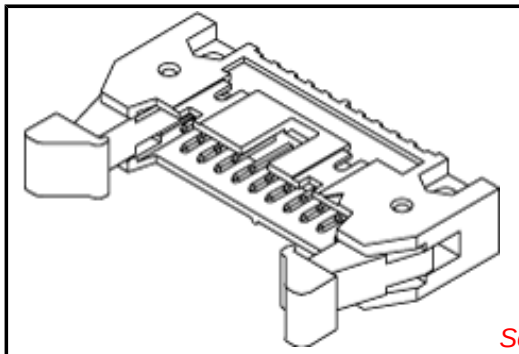
molex
one company > a world of innovation

This document was generated on 06/02/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0556382019
Status: Contact Molex
Overview: qf50
Description: 2.54mm (.100") Pitch QF-50™ Flat Ribbon Cable Header, Dual Row, Right Angle, 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	55638
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	Right Angle
PC Tail Length (in)	0.118 In
PC Tail Length (mm)	3.00 mm
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)	40
Plating min: Termination (µm)	1
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

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
55638Series

Mates With
54559 QF-50™ Flat Cable Receptacle Housing

Voltage - Maximum	300V

Material Info

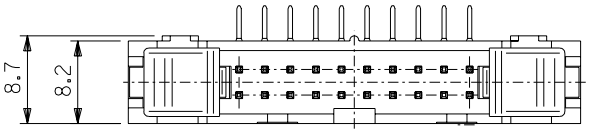
Reference - Drawing Numbers

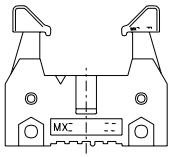
Product Specification	PS-54559-005, RPS-54559-017
Sales Drawing	SD-55638-003

This document was generated on 06/02/2010

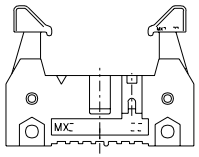
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

DWG. NO. SD-55638-003

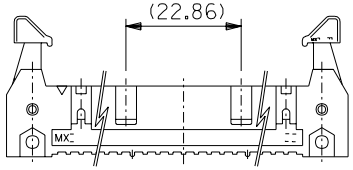




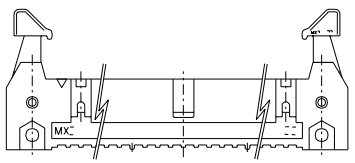
10極に適用。
APPLY FOR 10 CKTS.



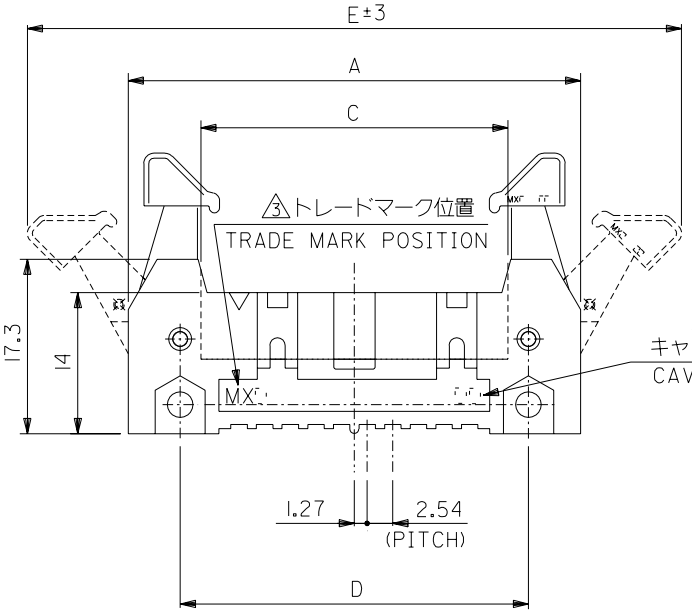
14極に適用。
APPLY FOR 14 CKTS.

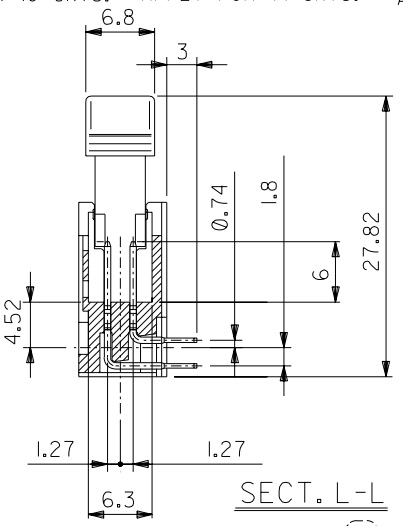


55638-5019,6019,6419 に適用。
APPLY 55638-5019,6019,6419

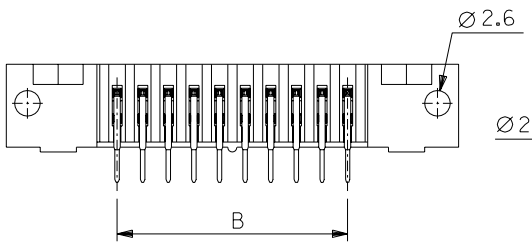


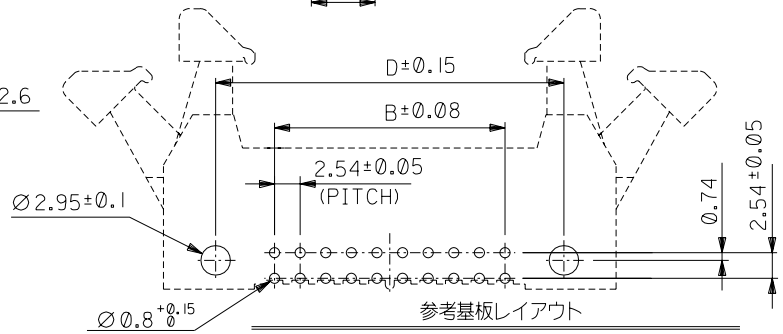
55638-5039,6039,6439 に適用。
APPLY 55638-5039,6039,6439





SECT. L-L





参考基板レイアウト
RECOMMENDED P.C.BOARD PATTERN DIM. (REF.)

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 : PBTP, UL94V-0, BLACK
　　LEVER : PBTP, UL94V-0, BLACK
　　TERMINAL: PHOSPHOR BRONZE
　　(GOLD, TIN PLATING, NICKEL UNDER-PLATING)
2. 嵌合相手　：54559 シリーズ
　MATE WITH　: 54559 SERIES
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.)
4. 本製品は55638−＊＊11，−＊＊31の鉛フリー品である。
　THIS PRODUCT IS LEAD FREE OF 55638-**11,-**31.

120.31	90.42	86.34	78.74	100.74	55638-6419	64
120.31	90.42	86.34	78.74	100.74	55638-6439	
115.23	85.34	81.26	73.66	95.66	55638-6019	60
115.23	85.34	81.26	73.66	95.66	55638-6039	
102.53	72.64	68.56	60.96	82.96	55638-5019	50
102.53	72.64	68.56	60.96	82.96	55638-5039	
89.83	59.94	55.86	48.26	70.26	55638-4019	40
82.21	52.32	48.24	40.64	62.64	55638-3419	34
77.13	47.24	43.16	35.56	57.56	55638-3019	30
72.05	42.16	38.08	30.48	52.48	55638-2619	26
64.43	34.54	30.46	22.86	44.86	55638-2019	20
59.35	29.46	25.38	17.78	39.78	55638-1619	16
56.81	26.92	22.84	15.24	37.24	55638-1419	14
51.73	21.84	17.76	10.16	32.16	55638-1019	10
E	D	C	B	A	MATERIAL NO.	CKT.

MODEL NO. 55638-**19,-**39

DO NOT SCALE DRAWING

EC NO.	DESCRIPTION	REV
EC NO. J2004-3613	RELEASED	
DRWN: Y.WADA '04/04/06		
CH'K: M.SASAO '04/04/06		
APPR: M.SASAO '04/04/06		
EC NO.	∅	
DRWN:		
CH'K:		
APPR:		
EC NO.		
DRWN:		
CH'K:		
APPR:		
EC NO.		
DRWN:		
CH'K:		
APPR:		

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

GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差

10 UNDER 未満	±0.2
10 OVER 以上 30 UNDER 未満	±0.25
30 OVER 以上	±0.3
ANGLE 角度	±3°

SCALE 2 : 1　DESIGN UNITS ☒mm ☐INCH　THIRD ANGLE PROJECTION
DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY
SHT　REV
REVISE ON CAD ONLY

DRAWN BY & DATE: Y.WADA '04/04/06
CHECKED BY & DATE: M.SASAO '04/04/06
APPROVED BY & DATE: M.SASAO '04/04/06
CAD FILENAME: SD-55638-003.S01

TITLE: 2.54 mm FLAT CABLE CONN. HEADER ASS'Y(R/A TYPE) -LEAD FREE-

molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DRAWING NO.: SD-55638-003
SHEET NO.: 1 OF 1

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

SIZE B

EN-02J(097) MXJ-54