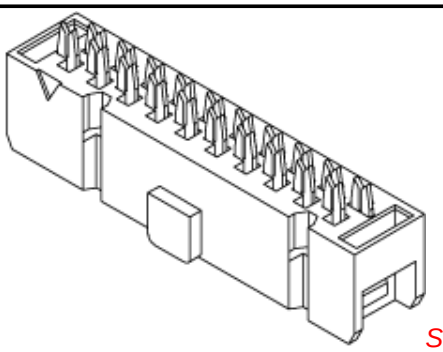
This document was generated on 05/20/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0545591011
Status: Active
Description: 2.54mm (0.100") Pitch QF-50™ Flat Cable Receptacle Housing, 10 Circuits



Series image - Reference only

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	Ribbon Cable / Wire Trap Connectors
Series	54559
Component Type	Housing
Glow-Wire Compliant	No
Product Name	QF-50™

Physical

Circuits (Loaded)	10
Color - Resin	Black
Durability (mating cycles max)	500
Entry Angle	90° Angle
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Polyester
Number of Rows	2
PCB Retention	None
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)	12
Plating min: Termination (µm)	0.3
Polarized to Mating Part	Yes
Stackable	No
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	IDT or Pierce
Wire Insulation Diameter	1.14mm (.045") max.
Wire Size AWG	28
Wire/Cable Type	Ribbon Cable

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	300V

Material Info

Reference - Drawing Numbers

Product Specification	RPS-54559-012, RPS-54559-014, RPS-54559-015
Sales Drawing	SD-54559-003

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
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
54559Series

Mates With
55401 Vertical Header, 55638 Right Angle Header

Use With
54561 Strain Relief, 54560 Upper Housing

Application Tooling | **FAQ**

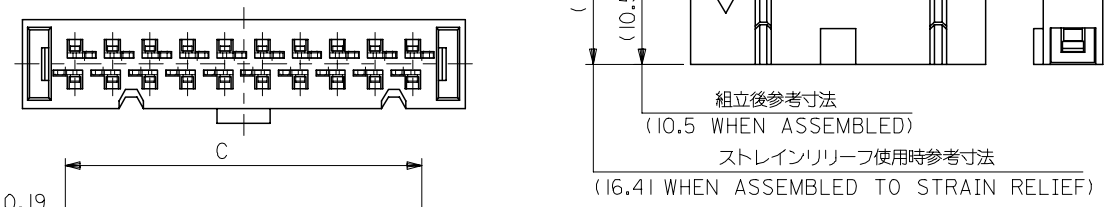
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

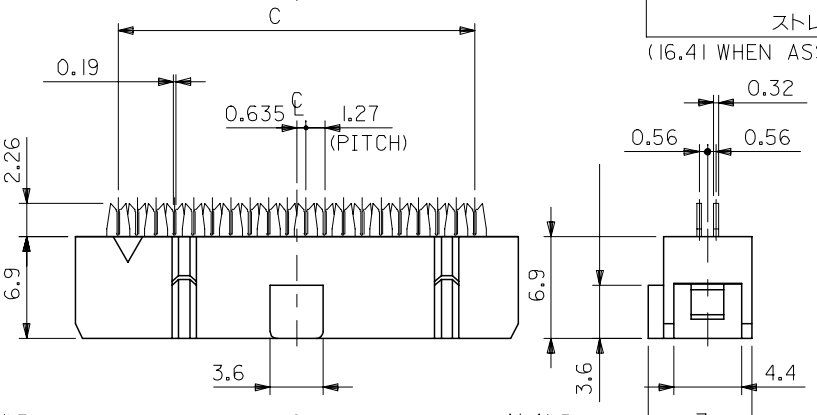
Japan

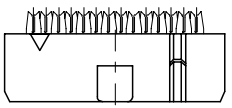
Description	Product #
IDT Hand Tool Assembly For MIL Connector	0572525000
IDT Machine For MIL IDT Connector	0572527000

This document was generated on 05/20/2010

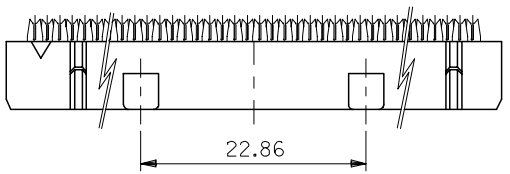
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



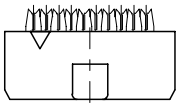




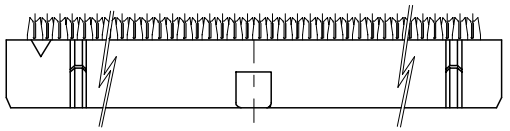
14極に適用
APPLY FOR 14 CKTS.



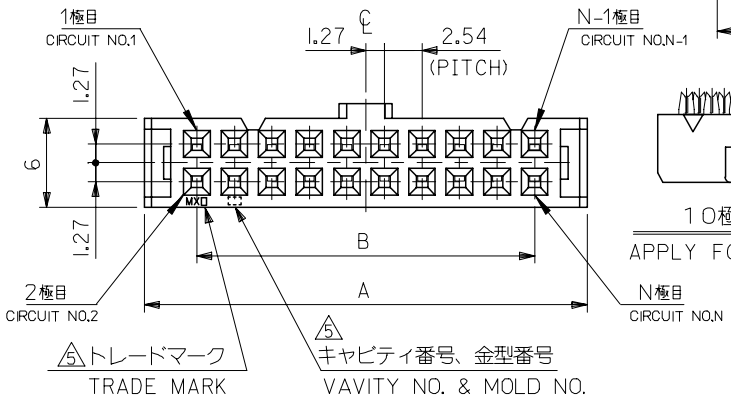
54559-5011,6011,6411に適用
APPLY FOR 54559-5011,6011,6411



10極に適用
APPLY FOR 10 CKTS.



54559-5041,6041,6441に適用
APPLY FOR 54559-5041,6041,6441



注記
NOTES

1. 材料　ハウジング ： PBT (UL94V-0)，黒色
　ターミナル ： リン青銅 (ニッケル下地金メッキ)
　MATERIAL HOUSING : PBT, UL94V-0, BLACK
　TERMINAL : PHOS.BRO. (Au PLATING, Ni UNDER-PLATING)
2. 適用電線： 1.27ピッチリボンケーブル　被覆外径： Ø1.14 MAX.
　より線 ： AWG#28 (芯線7本構成)
　FOR USE WITH AWG#28 STRANDED WIRE
　(CONSISTS OF 7 CONDUCTORS)
　1.14 DIA. MAX. INSULATION RIBBON CABLE WITH 1.27 CENTERS.
3. 嵌合相手　：54501-**11 は 54559-**11 に適用。
　54501-**31 は 54559-**41 に適用。
　501577シリーズは、54559-**11に適用。
　55638-**11は、54559-**11に適用。
　55638-**31は、54559-**41に適用。
　MATE WITH　：54501-**11 SUITS 54559-**11
　54501-**31 SUITS 54559-**41
　501577 SERIES SUITS 54559-**11.
　55638-**11 SUITS 54559-**11.
　55638-**31 SUITS 54559-**41.
4. 適合アッパーハウジング：54560-**01
　APPLICABLE UPPER HSG : 54560-**01
　適合ストレインリリーフ：54561-****
　APPLICABLE STRAIN RELEAF : 54561-**01

△5 トレードマーク：MXプラス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：数字で表示。
金型番号：アルファアベットにて構成。
FORMED BY MX AND ALPHABET WHICH MEAN
THE MANUFACTORY, BUT "J" MEANS JAPAN. (TO TRADE MARK)
(e.g. MXJ)
AND BY NUMBERS (TO CAVITY NO.)
AND BY ALPHABET (TO MOLD NO.)

C	B	A	MATERIAL NO.	CKT.
80.01	78.74	85.85	54559-6441	64
			54559-6411	
74.93	73.66	80.77	54559-6041	60
			54559-6011	
62.23	60.96	68.07	54559-5041	50
			54559-5011	
49.53	48.26	55.37	54559-4011	40
41.91	40.64	47.75	54559-3411	34
36.83	35.56	42.67	54559-3011	30
31.75	30.48	37.59	54559-2611	26
24.13	22.86	29.97	54559-2011	20
19.05	17.78	24.89	54559-1611	16
16.51	15.24	22.35	54559-1411	14
11.43	10.16	17.27	54559-1011	10

MODEL NO. 54559-**11

REVISED
EC NO: J2007-2853　2007/04/13
DRWN:MNABEI　2007/04/13
CHKD:YMAEDA　2007/04/13
APPR:NUKITA　2007/04/13
DESCRIPTION
REV

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: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: S.MATSUZAKI　DATE: '99/03/04
CHECKED BY: S.KUNISHI　DATE: '03/08/06
APPROVED BY: T.YAMAGUCHI　DATE: '03/08/06
MATERIAL NO.: SEE CHART

TITLE: 2.54 FLAT CABLE CONN. REC HOUSING ASSY

MOLEX INCORPORATED

DOCUMENT NO.: SD-54559-003
SHEET NO.: 1 OF 1
SIZE: A3

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