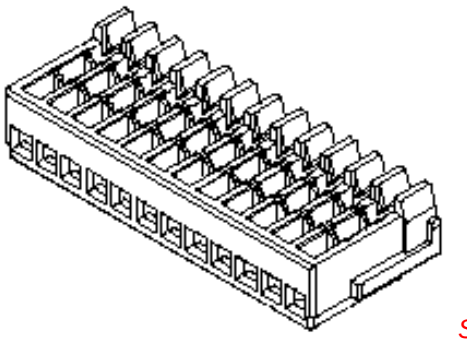
This document was generated on 04/16/2010

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Part Number: 0545961010
Status: Active
Description: MINI MI2 REC. ASSY (SN)



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-54596-005 (PDF)
- Product Specification PS-54596-006 (PDF)
- Product Specification PS-54596-007 (PDF)
- Product Specification PS-54596-018 (PDF)
- Product Specification PS-54596-019 (PDF)
- Product Specification PS-54596-020 (PDF)
- Product Specification PS-54596-021 (PDF)
- Product Specification PS-54596-022 (PDF)
- Product Specification PS-54596-023 (PDF)
- Product Specification PS-54769-004 (PDF)
- Product Specification PS-55448-001 (PDF)
- Product Specification PS-55482-006 (PDF)
- Product Specification PS-55659-005 (PDF)
- RoHS Certificate of Compliance (PDF)

General

Product Family	IDT and Solder Connectors
Series	54596
Crimp Quality Equipment	Yes
Product Name	Mini Mi II™

Physical

Circuits (Loaded)	10
Color - Resin	Natural
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
Plating min: Mating (µin)	36
Plating min: Mating (µm)	0.90
Plating min: Termination (µin)	36
Plating min: Termination (µm)	0.90
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	IDT or Pierce
Wire Insulation Diameter	0.80-0.90mm (.031-.035")
Wire Size AWG	26, 28

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	100V

Material Info

Reference - Drawing Numbers

Product Specification	PS-54596-005, PS-54596-006, PS-54596-007, PS-54596-018, PS-54596-019, PS-54596-020, PS-54596-021, PS-54596-022, PS-54596-023, PS-54769-004, PS-55448-001, PS-55482-006, PS-55659-005, RPS-54596-012, RPS-54596-013,

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
54596Series

Mates With
55451 , 55447 , 55454 , 55659 , 55456 , 55482 , 55450

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 Bench-Top Terminator for Mini Mi II™	0578277100
Hand Crimper	0578345000
Fully-Automated IDT Machine (XELOM-PLUS)	0578008300

Sales Drawing	RPS-54596-014, RPS-54596-016, RPS-54596-017, RPS-54596-022, RPS-54596-023, RPS-54596-024, RPS-54596-025, RPS-54596-026, RPS-54966-004, RPS-55448-004 SD-54596-004	Fully-Automated IDT 0578008400 Machine (XELOM-PLUS)	

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番号 NO.	名称 NAME	原料 MATERIAL	数量 QT'Y	仕上げ FINISH
①	ハウジング HOUSING	ナイロン NYLON	1	UL94V-0
②	ターミナル TERMINAL	りん青銅 (t=0.2) PHOSPHOR BRONZE(t=0.2)	N	全体錫メッキ PRE-TINNED

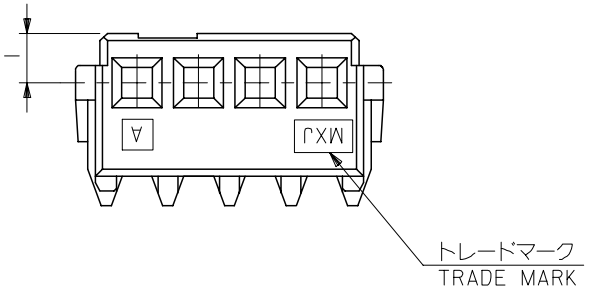
注) NOTES

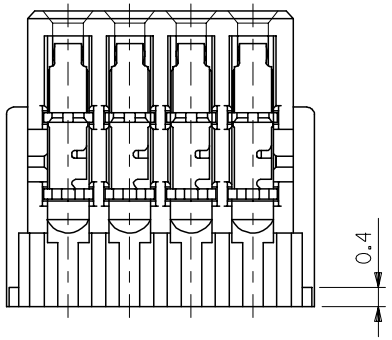
1. 原料および仕上げ ：表参照
   MATERIAL AND FINISH : SEE CHART.

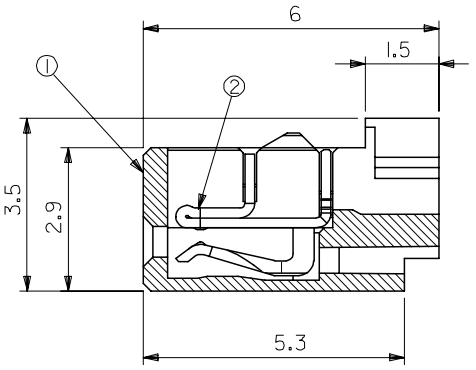
△2 製品番号
MATERIAL NO.
54596-**1*

極数 CIRCUIT SIZE(02~20)

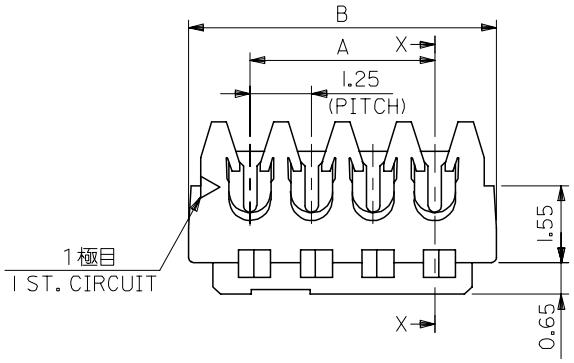
色 COLOR 10 ：自然色 NATURAL
12 ：赤 RED
13 ：黄 YELLOW







SECTION X-X



B	A	極数 CIRCUIT SIZE	△2 製品番号 MATERIAL NO.	MODEL NO.
26.25	23.75	20	54596-201*	54596-**1*
25	22.5	19	54596-191*	
23.75	21.25	18	54596-181*	
22.5	20	17	54596-171*	
21.25	18.75	16	54596-161*	
20	17.5	15	54596-151*	
18.75	16.25	14	54596-141*	
17.5	15	13	54596-131*	
16.25	13.75	12	54596-121*	
15	12.5	11	54596-111*	
13.75	11.25	10	54596-101*	
12.5	10	9	54596-091*	
11.25	8.75	8	54596-081*	
10	7.5	7	54596-071*	
8.75	6.25	6	54596-061*	
7.5	5	5	54596-051*	
6.25	3.75	4	54596-041*	
5	2.5	3	54596-031*	
3.75	1.25	2	54596-021*	

WIRE RANGE
適用電線範囲
AWG #26,#28

WIRE RANGE
被覆外径
ø0.8~ø0.9

REVISED
EC NO: J2005-2687
DRWN:JHOSOKAWA 2005/03/25
CHKD:KTOYODA 2005/03/25
APPR:NUKITA 2005/04/05
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: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: HTAKASE DATE: '99/04/29
CHECKED BY: YITO DATE:
APPROVED BY: HIKESUGI DATE:
MATERIAL NO.: SEE CHART

TITLE: SMALL MI2 REC. ASS'Y(SN)

molex MOLEX INCORPORATED

DOCUMENT NO.: SD-54596-004
SHEET NO.: 1 OF 1

SIZE A3

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