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Part Number: [5008090010](#)
Status: **Active**
Description: Mini-HMC™ Shielded Panel-Mount I/O Receptacle Shell, 40 Circuits, 8 Rows, Polarizing Key Type B

Documents:
[3D Model](#) [Product Specification PS-500810-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General
Product Family I/O Connectors
Series [500809](#)
Application Panel-Mount, Wire-to-Wire
Component Type Panel Mount Shell
Product Name Mini-HMC™
Type N/A

Physical
Boot Color N/A
Circuits (Loaded) N/A
Circuits (maximum) 40
Durability (mating cycles max) 50
Gender Receptacle
Keying to Mating Part Yes
Lock to Mating Part Yes
Material - Metal Brass
Material - Plating Mating Copper
Material - Plating Termination Copper
Number of Rows 1
Orientation Vertical
Packaging Type Bag
Panel Mount Screws
Pitch - Mating Interface (in) 0.000 In
Pitch - Mating Interface (mm) 0.00 mm
Plating min: Mating (µin) 20
Plating min: Mating (µm) 0.5
Plating min: Termination (µin) 20
Plating min: Termination (µm) 0.5
Polarized to Mating Part No
Ports 1
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -55°C to +105°C
Termination Interface: Style Surface Mount
Waterproof / Dustproof Yes
Waterproof / Dustproof Type IP65

Electrical
Current - Maximum per Contact 2.5A
Shield Type Full Shield
Shielded Yes
Voltage - Maximum 250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers
Product Specification PS-500810-001, RPS-500810-001



image - Reference only *Series*

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS

50

Pb

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
[500809Series](#)

Mates With
[500810-0000](#)

Use With
[500813-1000](#) , [56120-8428](#) , [56120-8528](#) , [56121-8428](#) , [56121-8528](#)

This document was generated on 04/01/2010

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DWG. NO.
SD-500809-001

F

D

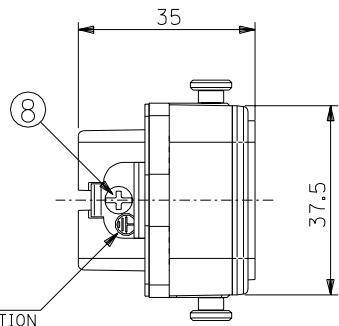
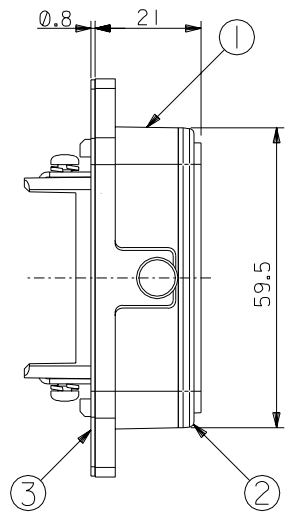
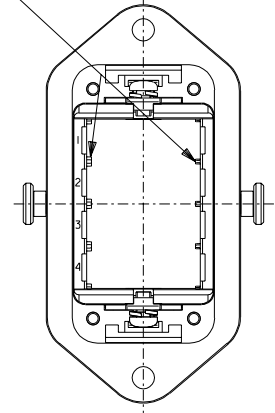
A

C

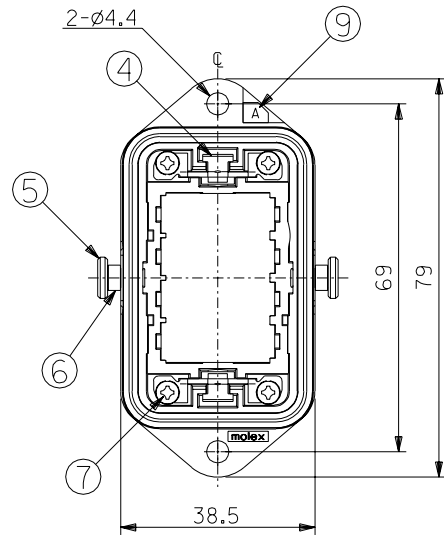
B

DO NOT SCALE DRAWING

ハウジング挿入方向キー
POLARIZATIONS KEY FOR HOUSING



PEマーク表示
PE MARK IDENTIFICATION



注記:
NOTES:

1. 適用ハウジングとターミナル
APPLICABLE HOUSING AND TERMINAL

適用ハウジング APPLICABLE HOUSING		適用ターミナル APPLICABLE TERMINAL	
ピンハウジング PIN HOUSING	500812-1000	56118-8***	
		56119-8***	
ソケットハウジング SOCKET HOUSING	500813-1000	56120-8***	
		56121-8***	

2. M3ねじ推奨締め付けトルク: 5~6kgf・cm
M3 SCREW RECOMMENDED TIGHTENING TORQUE
3. パネル切り取り寸法は, DWG. No. SD-500811-001 による。
THE PANEL CUTOUT SIZE IS SHOWN IN SD-500811-001.
4. 適用グラント圧着端子
APPLICABLE CRIMP TERMINAL FOR GROUND
活線と同等かそれ以上の電線サイズに適用した圧着端子を使用。
RING TERMINAL FOR POWER WIRE SIZE OR BIGGER ONE.
5. 適用ダストカバー: 500914-0001
APPLICABLE DUST COVER: 500914-0001

EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	EC NO. DRWN: CHK: APPR:	REVISED 03/10/07 EC NO. J2004-0781 DRWN: S.AKIYAMA CHK: N.MATSUURA APPR: YO.ITO	RELEASED 03/07/02 EC NO. J2004-0013 DRWN: S.AKIYAMA CHK: J.MIYAZAWA APPR: YO.ITO	DESCRIPTION 表参照 SEE TABLE	MATERIAL 材料	FINISH 仕上げ	WIRE RANGE 適用電線範囲	INS. RANGE 被覆外径
A				0					

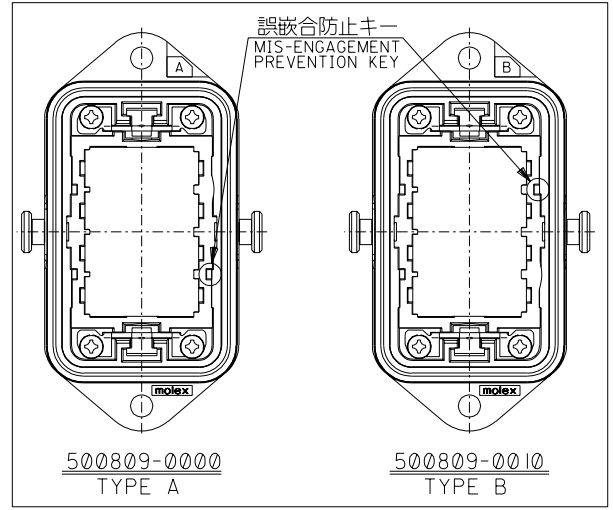
GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	10 UNDER 未満	±0.2
	10 OVER 30 UNDER 以上 未満	±0.25
	30 OVER 以上	±0.3
ANGLE 角度		±3°

SCALE	DESIGN UNITS mm □ inch
DRAWN BY & DATE S. Akiyama 03/06/25	
CHECKED BY & DATE Y. Ito 03/07/02	
APPROVED BY & DATE Y. Ito 03/07/02	
CAD FILENAME SD-500809-001.S01	

THIRD ANGLE PROJECTION	TITLE: MINI ROBOT CONN. 40P RECEPTACLE SHELL ASS'Y
MOLEX MOLEX INCORPORATED	
MATERIAL NO. SEE CHART	DRAWING NO. SD-500809-001
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.	

SHT REVISE ON CAD ONLY	REV
SIZE B	

部番 No.	部品名 PART NAME	数量 QTY.	材質 MATERIAL	記事 ARTICLE
①	リセプタクル シェル RECEPTACLE SHELL	1	アルミニウム合金 ALUMINIUM ALLOY	—#—
②	アッパー ラバー UPPER RUBBER	1	ニトリルゴム NBR	—#—
③	ローラー ラバー LOWER RUBBER	1	ニトリルゴム NBR	—#—
④	リセプタクル グランド ターミナル RECEPTACLE GROUND TERMINAL	2	黄銅 BRASS	Niメッキ NI PLATING
⑤	リセプタクル ロックピン RECEPTACLE LOCKING PIN	2	ステンレス STAINLESS STEEL	—#—
⑥	スリーブ SLEEVE	2	ステンレス STAINLESS STEEL	—#—
⑦	ばね座金組込みねじ (M2.5×6) CROSS RECESSED HEAD SCREWS WITH SPRING WASHER (M2.5×6)	4	鋼 STEEL	Niメッキ NI PLATING
⑧	ばね座金組込みブラマイねじ (M3×5) FREE DRIVE HEAD SCREWS WITH SPRING WASHER (M3×5)	2	鋼 STEEL	Niメッキ NI PLATING
⑨	ラベル LABEL	1	ポリエステル POLYESTER	—#—



B	500809-0010	500809-00*0
A	500809-0000	
TYPE	MATERIAL NO.	MODEL NO.