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Part Number: [0587820010](#)
Status: **Active**
Description: HMC™ Rectangular Industrial Plug Shell Assembly, Single Module Type, For Large Plug Cover, 52 Circuits

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-54478-001 \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family I/O Connectors
 Series [58782](#)
 Application Panel-Mount, Wire-to-Wire
 Component Type Hood Bracket
 Product Name HMC™
 Type N/A

Physical

Boot Color N/A
 Circuits (Loaded) N/A
 Durability (mating cycles max) 50
 Flammability 94V-0
 Gender Plug
 Lock to Mating Part Yes
 Material - Plating Mating n/a
 Orientation Vertical
 PCB Locator No
 Packaging Type Bag
 Panel Mount N/A
 Pitch - Mating Interface (in) 0.000 In
 Pitch - Mating Interface (mm) 0.00 mm
 Polarized to Mating Part Yes
 Polarized to PCB N/A
 Ports 1
 Surface Mount Compatible (SMC) No
 Temperature Range - Operating -40°C to +125°C
 Termination Interface: Style N/A
 Waterproof / Dustproof No

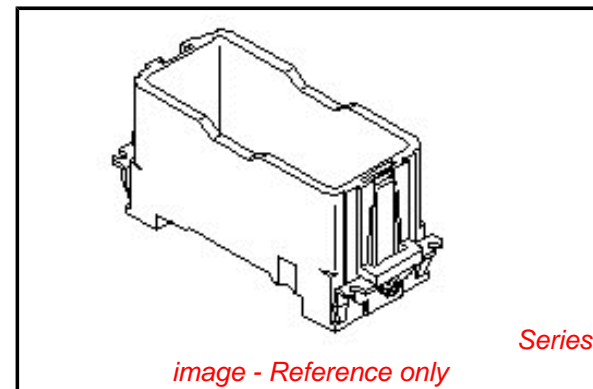
Electrical

Current - Maximum per Contact 35A
 Shield Type Full Shield
 Shielded Yes
 Voltage - Maximum 300V AC (RMS)

Material Info

Reference - Drawing Numbers

Product Specification PS-54478-001
 Sales Drawing SD-58782-0010



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

[58782Series](#)

Mates With

[58783-0010](#) Receptacle Shell Assembly

Use With

[58461](#) Plug Cover, [58462](#) Plug Cover, [58550](#) End Bell Cap, [58455](#) End Bell Cap, [55347](#) Housing, [54478](#) Housing, [54296](#) Terminal, [55124](#) Terminal

This document was generated on 04/05/2010

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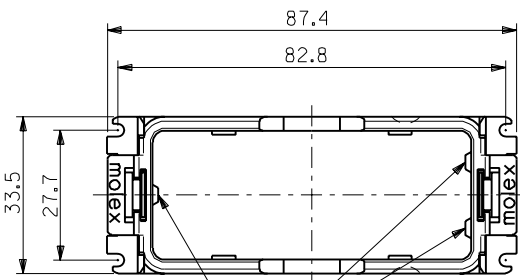
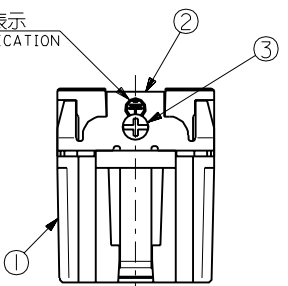
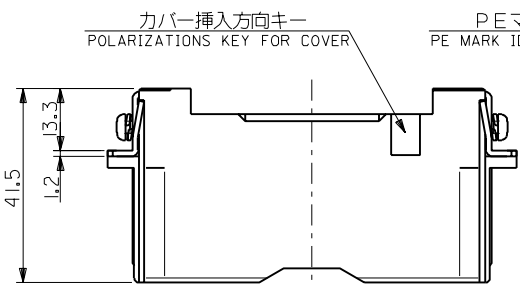
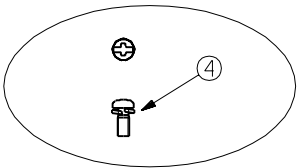
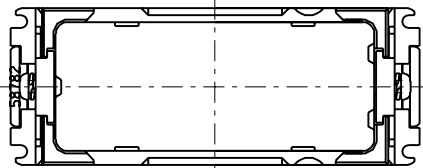
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MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING



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NOTES

- 適用プラグカバーアッセンブリ
APPLICABLE PLUG COVER ASS'Y
ライトアングルタイプ : 58461-0010 / 1010 (LARGE)
RIGHT-ANGLE TYPE
ストレートタイプ : 58462-0010 / 1010 (LARGE)
STRAIGHT TYPE
- 適用ハウジングアッセンブリ
APPLICABLE HOUSING ASS'Y
55347-52*5 (52 CKTS. MAIL HS'G ASS'Y)
54478-52*5 (52 CKTS. FEMALE HS'G ASS'Y)
- 推奨ねじ締め付けトルク
RECOMMENDED SCREW TIGHTENING TORQUE
① M3 : 5~6kgf・cm
② M2.5 : 4~5kgf・cm
- 適用グラウンド圧着端子
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.

④	ばね座金組込みブラマイねじ (M2.5 X 6) FREE DRIVE HEAD SCREWS WITH SPRING WASHER (M2.5 X 6)	鋼, ニッケルメッキ STEEL, NI PLATING	4	58782-0010
③	ばね座金組込みブラマイねじ (M3 X 5) FREE DRIVE HEAD SCREWS WITH SPRING WASHER (M3 X 5)	鋼, ニッケルメッキ STEEL, NI PLATING	2	
②	プラグ グラウンド ターミナル PLUG GROUND TERMINAL	黄銅, ニッケルメッキ BRASS, NI PLATING	2	
①	プラグ シェル PLUG SHELL	アルミニウム合金 ALUMINIUM ALLOY	1	
部番 NO.	部品名 PARTS NAME	材質 MATERIAL	個数 QUAN.	製品番号 ENG. NO.

材料 MATERIAL		表参照 SEE TABLE	
仕上げ FINISH		— # —	
適用電線範囲 WIRE RANGE		— # —	
被覆外径 INS. RANGE		— # —	
DRAWN BY J. Nagano	CHK'D BY J. Ota	DATE 98/11/06	
RELEASED (JIS90683)	DR. CHK.	DATE	APP'D. J. Nagano
一般公差 GENERAL TOLERANCES	記号 LTR	変更内容 REVISION RECORD	尺度 SCALE 1-1

MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
REVISE ONLY ON CAD SYSTEM	
TITLE 名称 ROBOT CONN. PLUG SHELL ASS'Y (LARGE)	
DWG. NO. (SHEET 1 OF 2)	REV
SD-58782-0010	0

SD58782

DWG. NO.
SD-58782-0010

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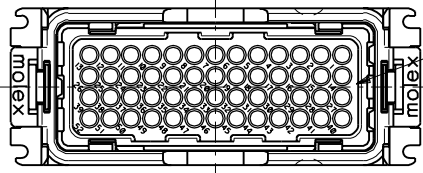
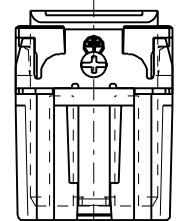
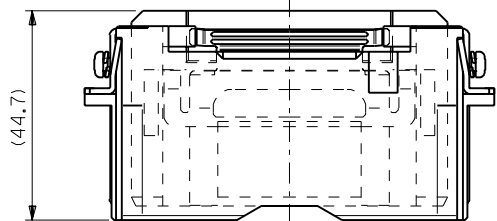
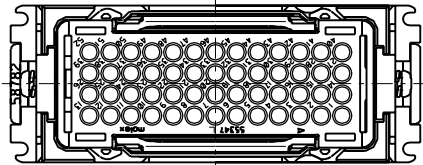
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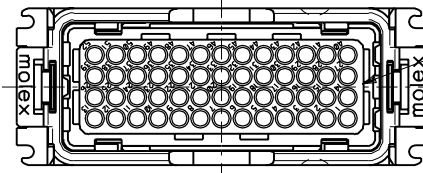
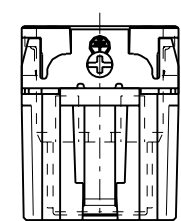
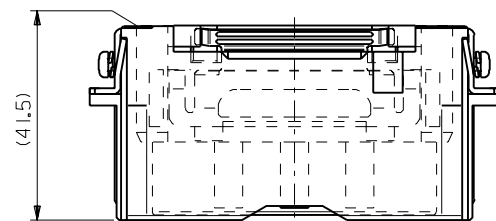
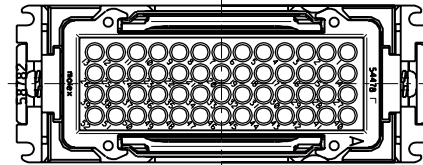
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MALE HS'G ASS'Y (52 CKTS.)
55347-5215 (TYPE A)

メイルハウジングアッセンブリ装着状態図
FIGURE OF MALE HOUSING ASS'Y WHEN ASSEMBLED



FEMALE HS'G ASS'Y (52 CKTS.)
54478-5215 (TYPE A)

フィメイルハウジングアッセンブリ装着状態図
FIGURE OF FEMALE HOUSING ASS'Y WHEN ASSEMBLED

角度 ANGLE		+3°				材料 MATERIAL	SEE SHEET 1 OF 2	MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社
30 以上 OVER		+0.3				仕上げ FINISH	— # —	
10 以上 OVER	30 未満 UNDER	+0.25				適用電線範囲 WIRE RANGE	— # —	TITLE 名称
10 未満 UNDER		+0.2				被覆外径 INS. RANGE	— # —	ROBOT CONN. PLUG SHELL ASS'Y (LARGE)
一般公差 GENERAL TOLERANCES			記号 LTR	変更内容 REVISION RECORD	DR. CHR.	日付 DATE	APP'D BY	DWG. NO. (SHEET 2 OF 2) REV
				SEE SHEET 1 OF 2			<i>M. Kozawa</i>	SD-58782-0010 0
							CHK'D BY	尺 度 SCALE
							<i>S. Ota</i>	1-1

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