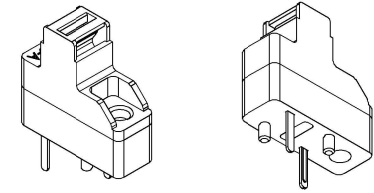
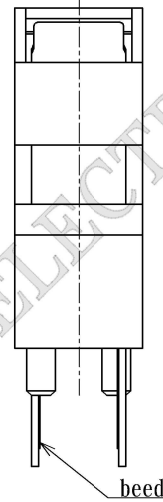


PC Board layout
(Top view)
(Tolerance : ±0.05)



Isometric view



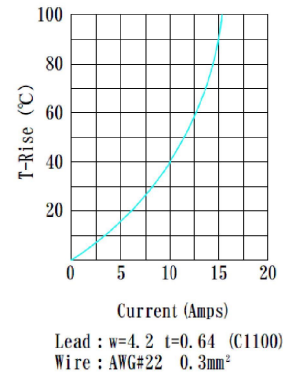
Specifications

- Durability : 10,000 cycles min.
- Contact resistance : 20mΩ max
- Operating temperature : -55°C~+175°C
- *Including terminal temperature rise.

Note

1. First, fix the product to the PCB with M2 bolt and nut. After that, perform the soldering and cable wiring processes.
2. Bolt and nut are not included.
3. The required bolt length varies depending on the usage. Please prepare a M2 bolt with a length that suits your usage.
4. When the board is not used, fix the base insulator and cover insulator with bolt and nut.

T-Rise Current Chart (Reference)



Date	JC ELECTRONICS CORPORATION	
2023/08/18	TERMINAL	: Copper Alloy, t0.3 [0.012"] Au Plating over Ni
Materials Finish	INSULATOR	: Heat Resisting Plastics
Dimensions Style	Title	POWER MODULE SOCKET (5.4 Pitch)
mm [inch]	Part Number	PMS-5400P-S
Third Angle Projection	Rev. No	

PMS series 高電流パッケージ (デバイス) 用 モジュール型ソケット Modular Socket for Power Semiconductor Package

For Power Transistor

For SIP Package

For Intelligent Power Module (IPM)

特徴 Feature

- パッケージに合わせて様々なレイアウトの配置が可能です。
Placeable in various layouts depending on the package design.
- ケルビンコンタクト仕様 Kelvin contact type
- 高耐熱仕様 High temperature type

仕様 Specifications

- 耐久性 Durability : 10,000 cycles min.
- 接触抵抗 Contact resistance : 20mΩ max *
- 使用温度 Operating temperature : -55℃~+175℃ *
通電による温度上昇分も含まれます。
Including Terminal Temperature Rise.

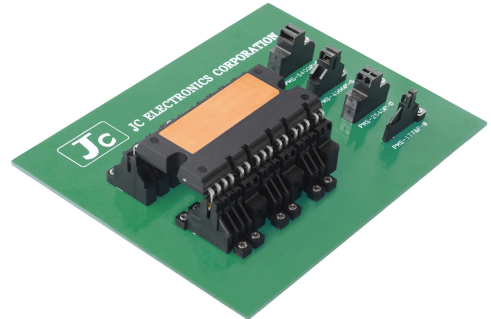
代表的材料と処理 Materials & finish

- ハウジング Housing : 耐熱プラスチック Thermoplastic
- コンタクト Contact : 銅合金 Copper alloy Au Plating over Ni *

実装方法 Mounting method : ティップ DIP

基板実装方向 PCB Mounting direction : ストレート Straight

* 高耐熱タイプは仕様異なります。 Specifications for High Temperature Type are Different.



最小整列ピッチ
Minimum Arrangement Pitch
5.4mm Pitch ~

品番 P/N
PMS-5400P-S-□□

Blank: Standard
HT: High Temperature
-55℃~+220℃

適合リードサイズ
Acceptable Lead Size
w=4.0 (max)
t=0.3~1.0mm
L=3.0 (min)

PMS-5400P-S
T-Rise Current Chart (Reference)

PMS-5400P-S-HT
T-Rise Current Chart (Reference)

PC Board Layout
(Top View)

最小整列ピッチ
Minimum Arrangement Pitch
5.08mm Pitch ~

品番 P/N
PMS-2540P-D-□□

Blank: Standard
HT: High Temperature
-55℃~+220℃

適合リードサイズ
Acceptable Lead Size
w=1.9 (max)
t=0.3~1.0mm
L=3.0 (min)

PMS-2540P-D
T-Rise Current Chart (Reference)

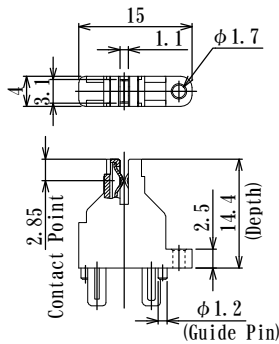
PMS-2540P-D-HT
T-Rise Current Chart (Reference)

PC Board Layout
(Top View)

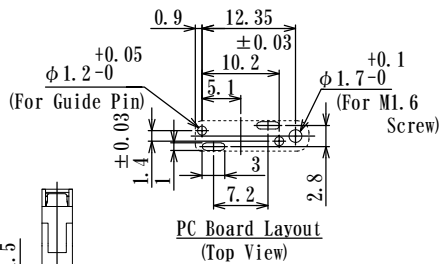
1モジュール 2極のソケットです。
2 poles modular socket

最小整列ピッチ
Minimum Arrangement Pitch
4.0mm Pitch ~

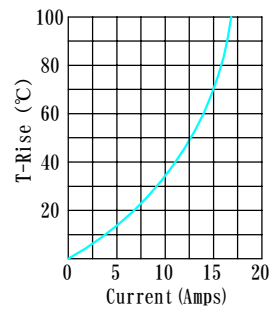
品番 P/N
PMS-400P-S



適合リードサイズ
Acceptable Lead Size
w=3.1(max)
t=0.3~1.0mm
L=3.0(min)

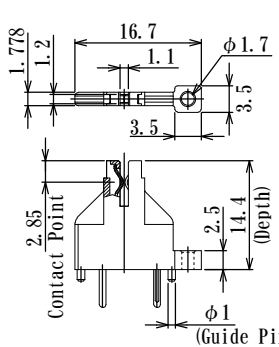


T-Rise Current Chart (Reference)

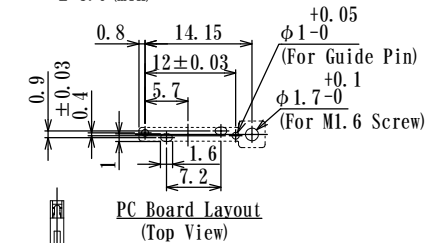


最小整列ピッチ
Minimum Arrangement Pitch
1.778mm Pitch ~

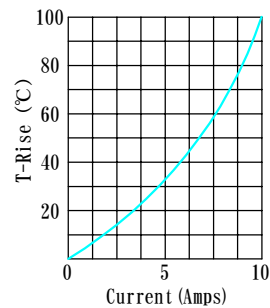
品番 P/N
PMS-1778P-S



適合リードサイズ
Acceptable Lead Size
w=1.2(max)
t=0.3~1.0mm
L=3.0(min)



T-Rise Current Chart (Reference)

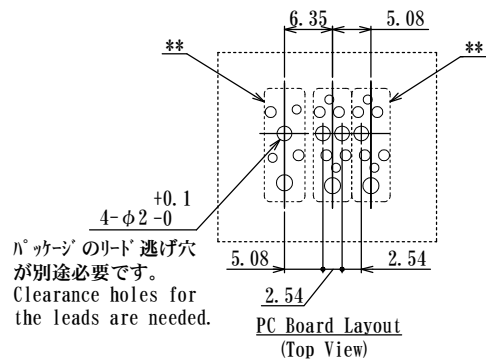
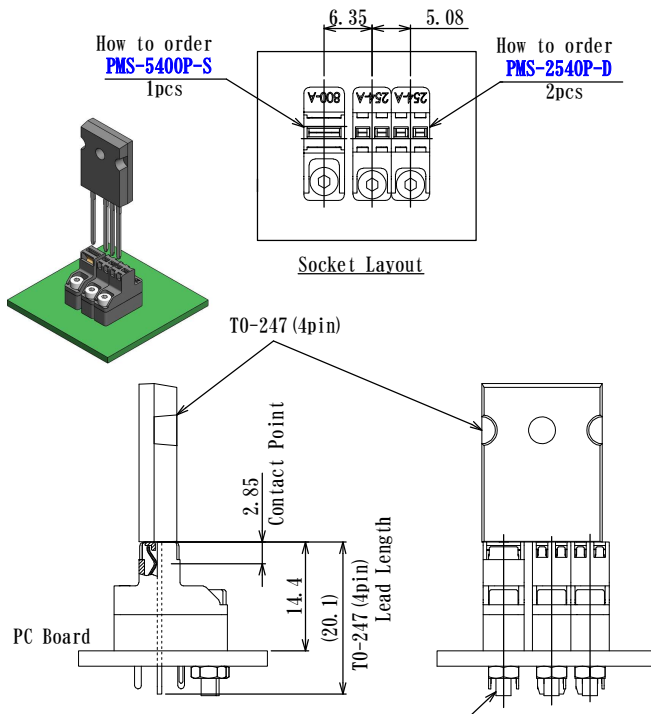


交互に反対向きで整列させます。
Arrange in opposite directions

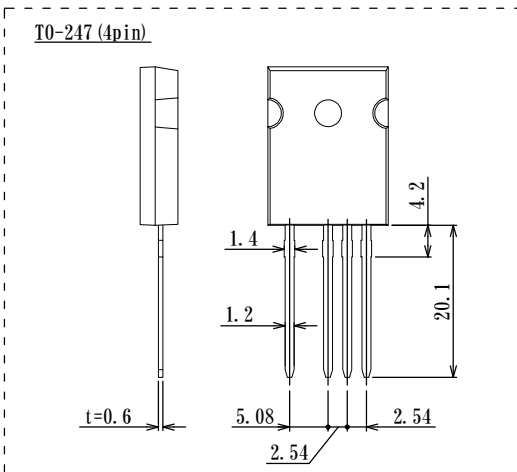
○How to use

Example)

1) ハートランジスタ T0-247 (4pin) 用ソケットレイアウト
Layout for T0-247 (4pin) Package



** 各モジュール型ソケットのPC Board Layoutは2L1~2L2ページをご参照ください。
Please refer to page 2L1~2L2 for PC Board Layout of each Modular Socket.

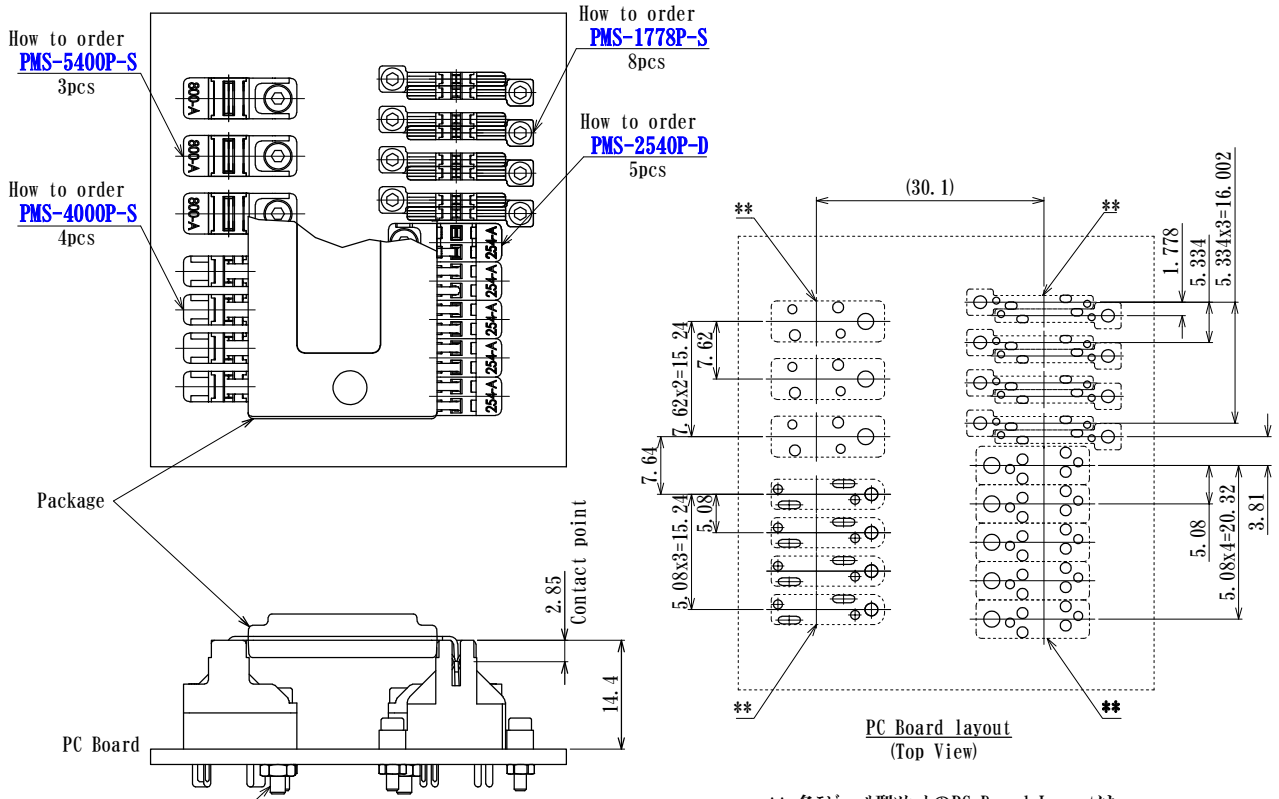


ナット、ネジは付属していませんのでご注意ください。
Please note that the nuts and screws are not included.

○How to use

Example)

2) Intelligent Power Module (IPM) 用ソケットレイアウト
Layout for IPM package



ナット、ネジは付属していませんのでご注意ください。
Please note that the nuts and screws are not included.

** 各モジュール型ソケットのPC Board Layoutは
2L1~2L2 Page をご参照ください。
Please refer to page 2L1~2L2 for
PC Board Layout of each Modular Socket.

お客様のご仕様に合わせて、基板の設計製造も行っています。
別途お問い合わせ下さい。
We also design and manufacture substrates according to
customer's specifications. Please feel free to contact us.

○各種パッケージ対応例一覧 Examples of modular socket arrangement

高電流パッケージ用モジュール型ソケットの適合パッケージ例を下記に示します。
Examples of modular socket arrangement for high current device packages.

Package		Acceptable Module Socket	Q'ty of Socket	Package		Acceptable Module Socket	Q'ty of Socket
T0-3P T0-247 T0-264 (3pin)			PMS-5400P-S 3pcs PMS-2540P-D 0pcs PMS-4000P-S 0pcs PMS-1778P-S 0pcs	T0-247 (4pin)			PMS-5400P-S 1pcs PMS-2540P-D 2pcs PMS-4000P-S 0pcs PMS-1778P-S 0pcs
T0-220 T0-257 (3pin)			PMS-5400P-S 0pcs PMS-2540P-D 2pcs PMS-4000P-S 0pcs PMS-1778P-S 0pcs	(8pin)			PMS-5400P-S 0pcs PMS-2540P-D 4pcs PMS-4000P-S 0pcs PMS-1778P-S 0pcs
T0-262 (3pin)			PMS-5400P-S 0pcs PMS-2540P-D 0pcs PMS-4000P-S 0pcs PMS-1778P-S 0pcs	(12pin)			PMS-5400P-S 0pcs PMS-2540P-D 6pcs PMS-4000P-S 0pcs PMS-1778P-S 0pcs

	Package	Acceptable Module Socket	Q'ty of Socket
Ex. 1			PMS-5400P-S 0pcs PMS-2540P-D 8pcs PMS-4000P-S 3pcs PMS-1778P-S 10pcs
Ex. 2			PMS-5400P-S 7pcs PMS-2540P-D 9pcs PMS-4000P-S 0pcs PMS-1778P-S 0pcs
Ex. 3			PMS-5400P-S 6pcs PMS-2540P-D 2pcs PMS-4000P-S 0pcs PMS-1778P-S 20pcs