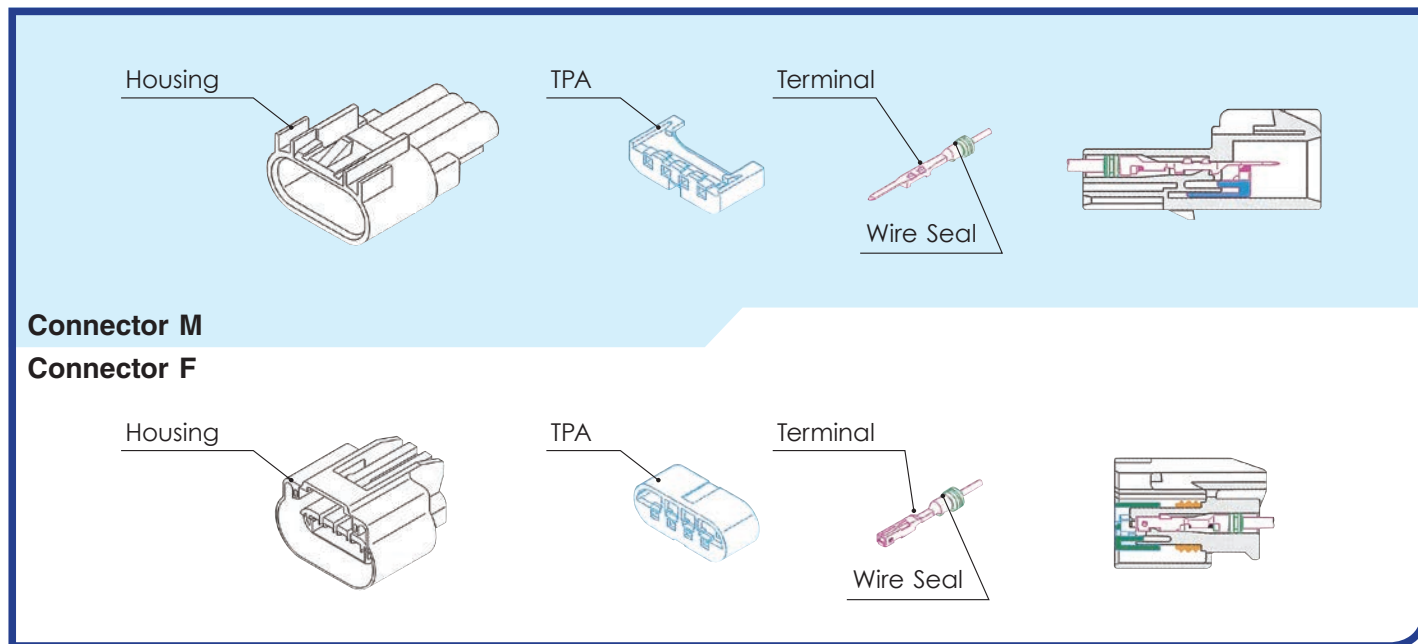


# US SEALED SERIES

## Structure



## Features

特点

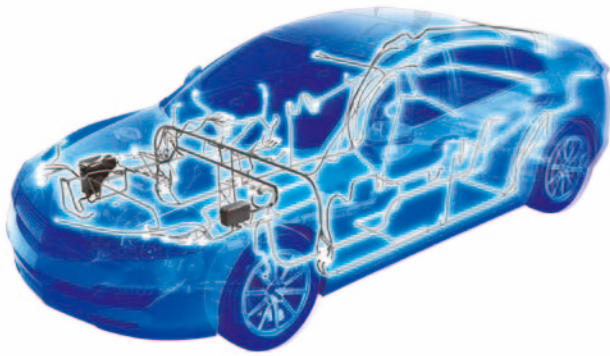
### US sealed series comply with SAE/USCAR-2.

This series consists of 0.64mm, 1.5mm, 2.8mm and 9.5mm types classified according to terminal size, covering an extensive array of applications from signal to power circuits.

US防水系列达到了SAE/USCAR-2标准。

按照端子尺寸划分为0.64mm•1.5mm•2.8mm•9.5mm型,从信号回路到电源回路,能广泛应用。

- The connector mechanism only allows the TPA to be set when the terminal completely inserted.
- TPAs are pre-mounted on housings, and are structured to enable setting by the same simple operation regardless of the number of ways, improving operation.
- 具有当端子在半插入状态时,TPA无法组装到位的构造。
- TPA预先安装在接插件护套上,无论多少极数都能够通过简单的统一操作进行安装,可提高工作效率。



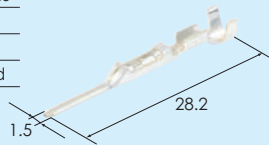
# US SEALED SERIES

For INLINE

## Terminal (UNIT : mm)

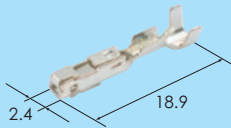
### 1.5 (S)

Applicable wire size (mm <sup>2</sup> )	0.35-0.5 AWG22-20
Cable overall diameter (mm)	1.7-1.9
Material	Brass
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	0.64



### M (8100-4366)

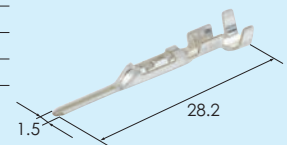
### F (8100-4375)



Applicable wire size (mm <sup>2</sup> )	0.35-0.5 AWG22-20
Cable overall diameter (mm)	1.7-1.9
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	0.64

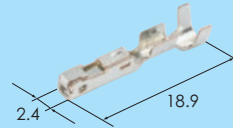
### 1.5 (M)

Applicable wire size (mm <sup>2</sup> )	0.8-1.0 AWG18-16
Cable overall diameter (mm)	2.2-2.4
Material	Brass
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	0.64



### M (8100-4373)

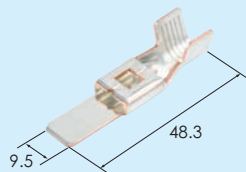
### F (8100-4381)



Applicable wire size (mm <sup>2</sup> )	0.8-1.0 AWG18-16
Cable overall diameter (mm)	2.2-2.4
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	0.64

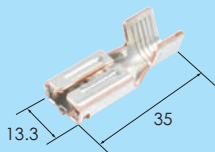
### 9.5

Applicable wire size (mm <sup>2</sup> )	15-20 AWG6-4
Cable overall diameter (mm)	10.3-11.5
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	1.2



### M (8100-3748)

### F (8100-3222)

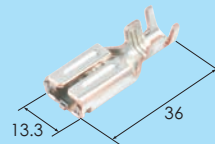


Applicable wire size (mm <sup>2</sup> )	15-21 AWG6-5
Cable overall diameter (mm)	10.3-11.5
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	1.2

### 9.5

### F (8240-0134)

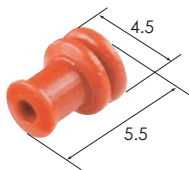
Applicable wire size (mm <sup>2</sup> )	5-8 AWG10-8
Cable overall diameter (mm)	10.3-11.5
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	1.2



**Wire seals (UNIT : mm)** The wire seals are common to M and F.

**1.5 (S)**

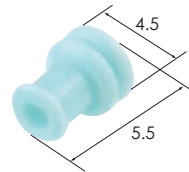
**(7165-1194)**



Cable overall diameter(mm)	1.7-1.9
Material	Silicon
Color	Reddish Brown

**1.5 (M)**

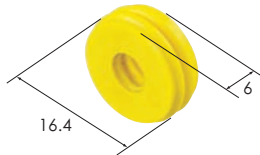
**(7165-1195)**



Cable overall diameter(mm)	2.2-2.4
Material	Silicon
Color	Sky blue

**9.5 (S)**

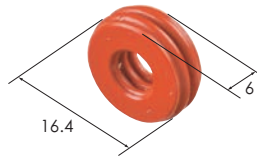
**(7165-1346)**



Cable overall diameter(mm)	5.5-5.8
Material	Silicon
Color	Yellow

**9.5 (M)**

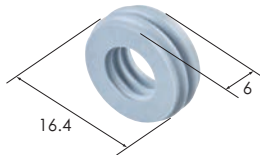
**(7165-0782)**



Cable overall diameter(mm)	7.5-8.0
Material	Silicon
Color	Reddish Brown

**9.5 (L)**

**(6185-4620)**

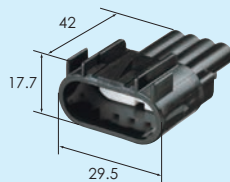


Cable overall diameter(mm)	8.7-9.0
Material	Silicon
Color	Gray

**Housing (UNIT : mm)** \* For 2.8 terminal & wire seal selection, please contact our sales staff.

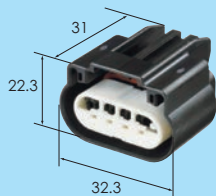
**1.5 4way**

Ref:Terminal part No.	P16
Ref:Wire seal No.	P17
Material	PBT
Color	Black



**M (6188-0793)** (note)

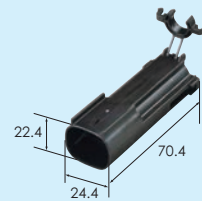
**F (6189-6901)** (note)



Ref:Terminal part No.	P16
Ref:Wire seal No.	P17
Material	PBT
Color	Black

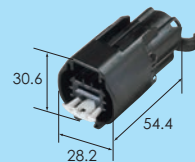
**9.5 1way**

Ref:Terminal part No.	P16
Ref:Wire seal No.	P17
Material	PBT
Color	Black



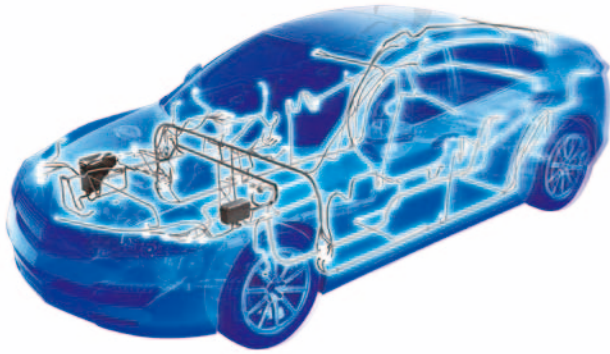
**M (6188-4702)**

**F (6189-6862)**



Ref:Terminal part No.	P16
Ref:Wire seal No.	P17
Material	PBT
Color	Black

(note) correspondence to USCAR Footprint



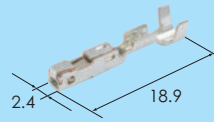
# US SEALED SERIES

For DEVICE Type 1

**Housing (UNIT : mm)** \* For terminal selection, please contact our sales staff.

## Terminal (UNIT : mm)

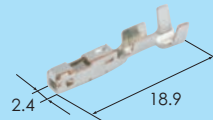
### 1.5 (S)



#### F (8100-4379)

Applicable wire size (mm <sup>2</sup> )	0.35-0.5 AWG22-20
Cable overall diameter (mm)	1.7-1.9
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	0.8

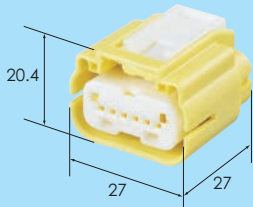
### 1.5 (M)



#### F (8100-4377)

Applicable wire size (mm <sup>2</sup> )	0.8-1.0 AWG18-16
Cable overall diameter (mm)	2.2-2.4
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	0.8

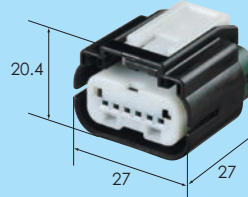
### 0.64 3way



#### F (6189-1024) key-K note)

Ref:Terminal part No.	P3
Material	PBT
Color	Yellow

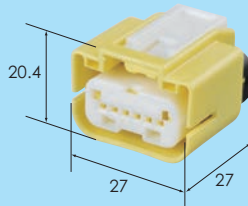
### 0.64 4way



#### F (6189-7011) key-A note)

Ref:Terminal part No.	P3
Material	PBT
Color	Black

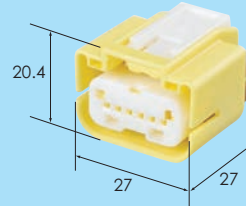
### 0.64 4way



#### F (6189-1019) key-E note)

Ref:Terminal part No.	P3
Material	PBT
Color	Yellow

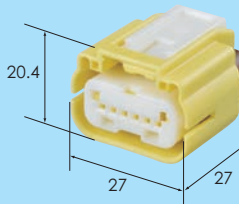
### 0.64 5way



#### F (6189-7001) key-E note)

Ref:Terminal part No.	P3
Material	PBT
Color	Yellow

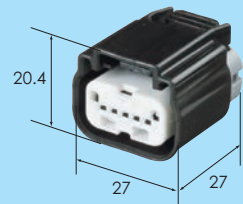
### 0.64 5way



#### F (6189-6936) key-K note)

Ref:Terminal part No.	P3
Material	PBT
Color	Yellow

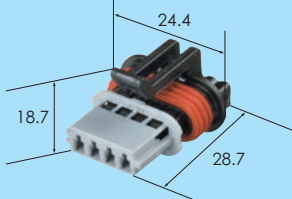
### 0.64 5way



#### F (6189-7199) key-B note)

Ref:Terminal part No.	*
Material	PBT
Color	Black

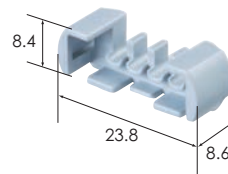
### 1.5 4way



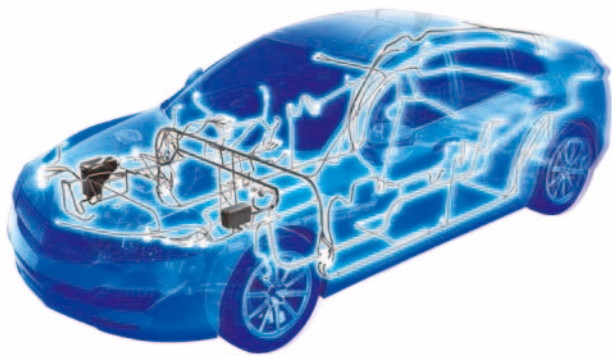
#### F (6189-6897) note)

Ref:Terminal part No.	P18
Ref:Wire seal No.	P17
Material	PBT
Color	Black

#### F Back TPA (6185-4630)



Material	PBT
Color	Gray

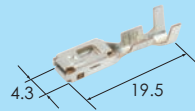


# US SEALED SERIES

For DEVICE Type2

## Terminal (UNIT : mm)

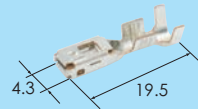
### 2.8 (S) Sn



#### F (8240-0428)

Applicable wire size (mm <sup>2</sup> )	0.5-1.0 AWG20-18
Cable overall diameter (mm)	1.9-2.2
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	0.8

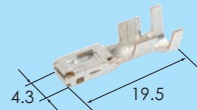
### 2.8 (M) Sn



#### F (8240-0429)

Applicable wire size (mm <sup>2</sup> )	1.5-2.5 AWG16-14
Cable overall diameter (mm)	2.4-2.7
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	0.8

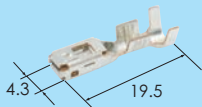
### 2.8 (L) Sn



#### F (8240-0430)

Applicable wire size (mm <sup>2</sup> )	3.0-4.0 AWG12
Cable overall diameter (mm)	3.3
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	0.8

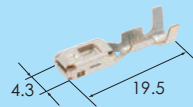
### 2.8 (S) Grease



#### F (8240-0431)

Applicable wire size (mm <sup>2</sup> )	0.5-1.0 AWG20-18
Cable overall diameter (mm)	1.9-2.2
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	0.8

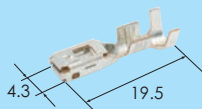
### 2.8 (S) Ag



#### F (8240-0434)

Applicable wire size (mm <sup>2</sup> )	0.5-1.0 AWG20-18
Cable overall diameter (mm)	1.9-2.2
Material	Heat-resistant copper alloy
Surface treatment	Ag plated
Applicable Tab Thickness (mm)	0.8

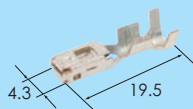
### 2.8 (M) Grease



#### F (8240-0432)

Applicable wire size (mm <sup>2</sup> )	1.5-2.5 AWG16-14
Cable overall diameter (mm)	2.4-2.7
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	0.8

### 2.8 (M) Ag



#### F (8240-0435)

Applicable wire size (mm <sup>2</sup> )	1.5-2.5 AWG16-14
Cable overall diameter (mm)	2.4-2.7
Material	Heat-resistant copper alloy
Surface treatment	Ag plated
Applicable Tab Thickness (mm)	0.8

### 2.8 (L) Grease



#### F (8240-0433)

Applicable wire size (mm <sup>2</sup> )	3.0-4.0 AWG12
Cable overall diameter (mm)	3.3
Material	Heat-resistant copper alloy
Surface treatment	Sn plated
Applicable Tab Thickness (mm)	0.8

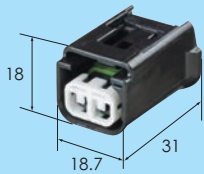
### 2.8 (L) Ag



#### F (8240-0436)

Applicable wire size (mm <sup>2</sup> )	3.0-4.0 AWG12
Cable overall diameter (mm)	3.3
Material	Heat-resistant copper alloy
Surface treatment	Ag plated
Applicable Tab Thickness (mm)	0.8

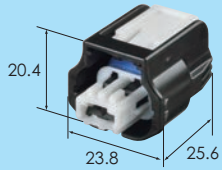
**1.5 2way**



**F (6189-7171)** key-A note)

Ref:Terminal part No.	*
Material	PBT
Color	Black

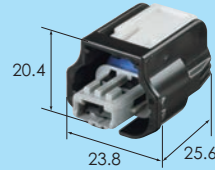
**2.8 2way**



**F (6189-7290)** key-A

Ref:Terminal part No.	P19
Material	PBT
Color	Black

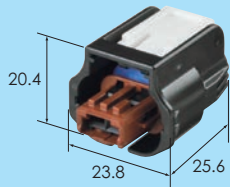
**2.8 2way**



**F (6189-7373)** key-B

Ref:Terminal part No.	P19
Material	PBT
Color	Black

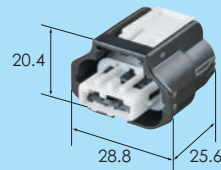
**2.8 2way**



**F (6189-7374)** key-C

Ref:Terminal part No.	P19
Material	PBT
Color	Black

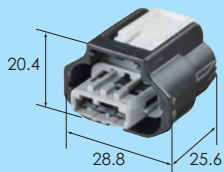
**2.8 3way**



**F (6189-7291)** key-A

Ref:Terminal part No.	P19
Material	PBT
Color	Black

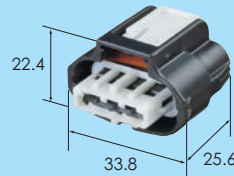
**2.8 3way**



**F (6189-7375)** key-B

Ref:Terminal part No.	P19
Material	PBT
Color	Black

**2.8 4way**



**F (6189-7292)** key-A

Ref:Terminal part No.	P19
Material	PBT
Color	Black