



HD SERIES

(Outdated connector)

Features

The HD connector series is a new, improved version of the conventional HM series, with a mechanism that minimizes the possibility of terminal back out and semi-engagement of connectors.

This series consists of 090, 250, and 305 types (090, 187, 250, and 305 types for the hybrid model) classified according to terminal size, covering an extensive array of applications from signal to power circuits.

- An incompletely inserted terminal is automatically adjusted to the correct position by setting a retainer.
- Retainers are integrated with the housing when molded (090 type) or pre-mounted on the housing (250 and 305 types), improving operability.
- An extra clip can be attached to the connector housing to secure it to the car body.

In case of purchasing the subject parts, please contact our sales office.
Some part may not be in production.

特長

HDシリーズは、従来のHMシリーズを改良し、ターミナル抜けの起きにくい機構及びコネクタの半嵌合の起きにくい機構を備えたコネクタシリーズです。

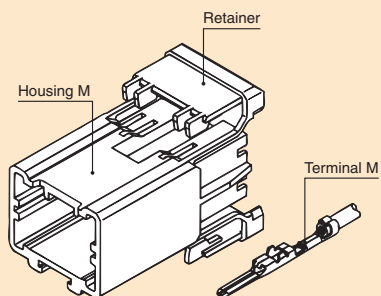
ターミナルサイズにより090・250・305（ハイブリッドは090・187・250・305）で構成されており、信号回路からパワー回路まで幅広くご利用いただけます。

- 挿入不足のターミナルは、リテーナをセットすることにより正規の位置に固定されます。
- リテーナは、コネクタハウジングと一体成形（090）あるいは予め組み付けられており（250・305）、高い作業性を備えています。
- コネクタハウジングにはボデーに固定するためのクランプ（クリップ）を装着することができます。

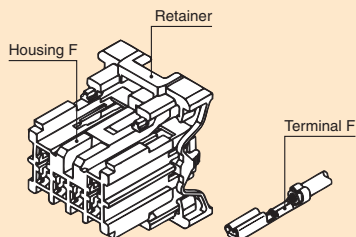
当コネクタシリーズをご選定の際には、弊社営業担当者に生産対応可否をご確認ください。

Structure / 構造

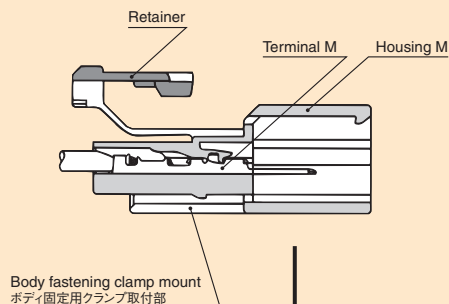
Connector M



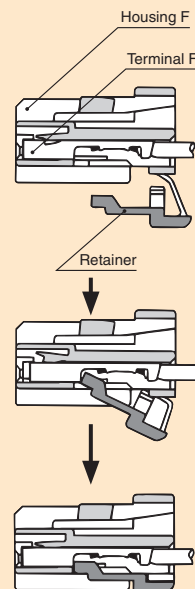
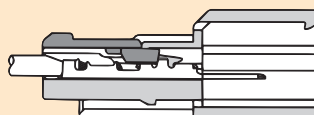
Connector F



Before setting retainer リテーナ装着前



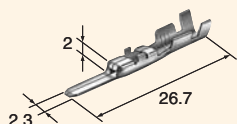
After setting retainer リテーナ装着後



※ Retainer eliminates the terminal backing-out by enforcing the lock mechanism.
※ 挿入不足のターミナルは、リテーナを装着することで前へ押し出され固定されます。

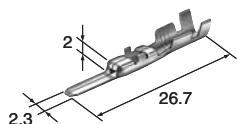
Terminal (mm)

Cable size (mm²) 適用電線サイズ	0.3
Cable overall diameter (mm) 電線仕上り外径	1.4~1.9
Material 材質	Brass 黄銅
Surface treatment 表面処理	Tin-plated Snメッキ
Reel (piece) リール(個)	5000
Thickness (mm) 板厚	0.3 (Tab thickness : 0.64)



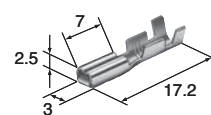
M(8230-4272)

Cable size (mm²) 適用電線サイズ	0.5~1.25
Cable overall diameter (mm) 電線仕上り外径	1.6~2.9
Material 材質	Brass 黄銅
Surface treatment 表面処理	Tin-plated Snメッキ
Reel (piece) リール(個)	5000
Thickness (mm) 板厚	0.3 (Tab thickness : 0.64)



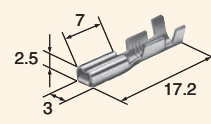
M(8230-4282)

Cable size (mm²) 適用電線サイズ	0.3
Cable overall diameter (mm) 電線仕上り外径	1.4~1.9
Material 材質	Brass 黄銅
Surface treatment 表面処理	Tin-plated Snメッキ
Reel (piece) リール(個)	5000
Thickness (mm) 板厚	0.25



F(8240-4412)

Cable size (mm²) 適用電線サイズ	0.5~1.25
Cable overall diameter (mm) 電線仕上り外径	1.6~2.9
Material 材質	Brass 黄銅
Surface treatment 表面処理	Tin-plated Snメッキ
Reel (piece) リール(個)	5000
Thickness (mm) 板厚	0.25



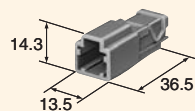
F(8240-4422)

Housing (mm)

Material / P.B.T.

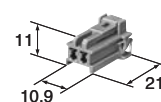
2way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



M(6098-0240)

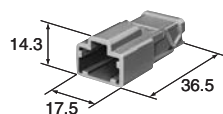
Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



F(6098-0239)

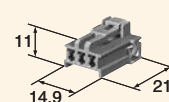
3way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



M(6098-0242)

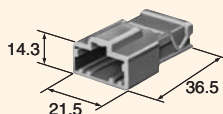
Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



F(6098-0241)

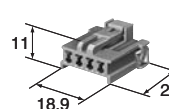
4way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



M(6098-0244)

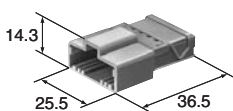
Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



F(6098-0243)

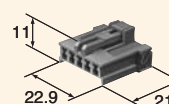
5way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



M(6098-0343)

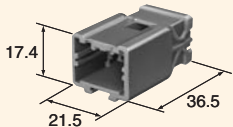
Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



F(6098-0344)

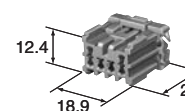
6way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



M(6098-0246)

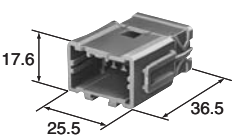
Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



F(6098-0245)

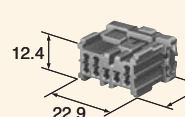
8way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray
Note 備考	Block type



M(6098-0248)

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray

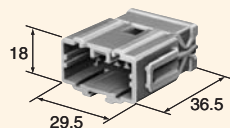


F(6098-0247)

H-03

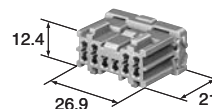
10way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray
Note 備考	Block type



M(6098-0250)

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray

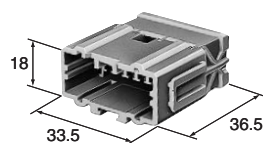


F(6098-0249)

H-04

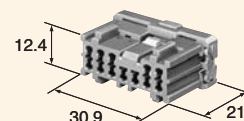
12way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray
Note 備考	Block type



M(6098-0252)

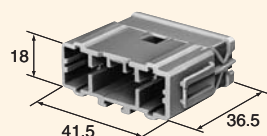
Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



F(6098-0251)

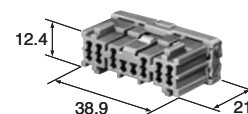
14way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray
Note 備考	Block type



M(6098-0254)

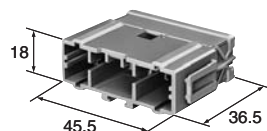
Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



F(6098-0253)

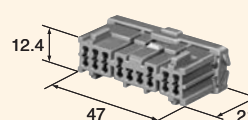
16way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray
Note 備考	Block type



M(6098-0256)

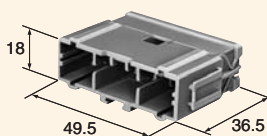
Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



F(6098-0255)

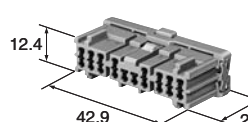
18way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray
Note 備考	Block type



M(6098-0258)

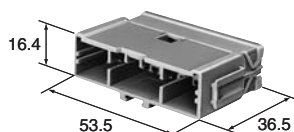
Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



F(6098-0257)

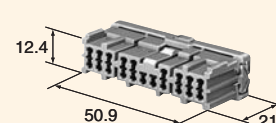
20way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray
Note 備考	Block type



M(6098-0260)

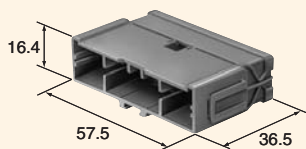
Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



F(6098-0259)

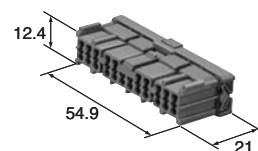
22way

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray
Note 備考	Block type



M(6098-0814)

Ref: Terminal part No. ターミナル参照頁	H-02
Color 色相	Light Gray



F(6098-0464)

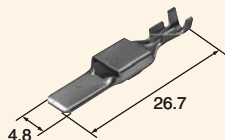
H-05

Terminal (mm)

●Ref : 090 Terminal List (Page H-02)

●090ターミナルはH-02に掲載。

Cable size (mm ²) 適用電線サイズ	0.3
Cable overall diameter (mm) 電線仕上り外径	1.4~1.9
Material 材質	Brass 黄銅
Surface treatment 表面処理	Tin-plated Snメッキ
Reel (piece) リール(個)	3000
Thickness (mm) 板厚	0.4 (Tab thickness : 0.8)



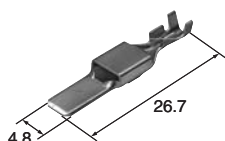
M(8100-1506)

Cable size (mm ²) 適用電線サイズ	0.3
Cable overall diameter (mm) 電線仕上り外径	1.4~1.9
Material 材質	Heat-resistant copper alloy
Surface treatment 表面処理	Tin-plated Snメッキ
Reel (piece) リール(個)	3000
Thickness (mm) 板厚	0.4



F(8100-1507)

Cable size (mm ²) 適用電線サイズ	0.5~1.25
Cable overall diameter (mm) 電線仕上り外径	1.6~2.9
Material 材質	Brass 黄銅
Surface treatment 表面処理	Tin-plated Snメッキ
Reel (piece) リール(個)	2500
Thickness (mm) 板厚	0.4 (Tab thickness : 0.8)



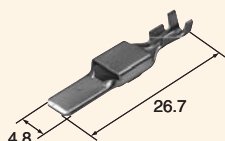
M(8100-0664)

Cable size (mm ²) 適用電線サイズ	0.5~1.25
Cable overall diameter (mm) 電線仕上り外径	1.6~2.9
Material 材質	Heat-resistant copper alloy
Surface treatment 表面処理	Tin-plated Snメッキ
Reel (piece) リール(個)	2500
Thickness (mm) 板厚	0.4



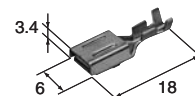
F(8100-0606)

Cable size (mm ²) 適用電線サイズ	2.0~3.0
Cable overall diameter (mm) 電線仕上り外径	2.6~3.8
Material 材質	Brass 黄銅
Surface treatment 表面処理	Tin-plated Snメッキ
Reel (piece) リール(個)	2000
Thickness (mm) 板厚	0.4 (Tab thickness : 0.8)



M(1500-0166)

Cable size (mm ²) 適用電線サイズ	2.0~3.0
Cable overall diameter (mm) 電線仕上り外径	2.6~3.8
Material 材質	Heat-resistant copper alloy
Surface treatment 表面処理	Tin-plated Snメッキ
Reel (piece) リール(個)	2000
Thickness (mm) 板厚	0.4



F(8100-0782)

Heat-resistant copper alloy=耐熱銅合金

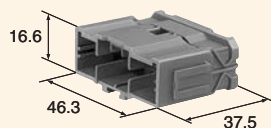
Housing (mm)

Material / P.B.T.

No. of way / () corresponds to 090, 187, in order from left to right.

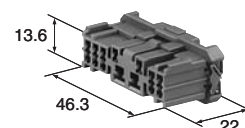
極数 / () 内表示 : 左から090極数、187極数

Ref: Terminal part No. ターミナル参照頁	[090] H-02 [187] H-06
Color 色相	Light Gray



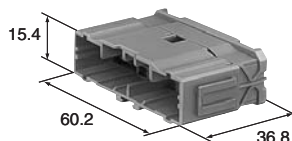
M(6950-0992)

Ref: Terminal part No. ターミナル参照頁	[090] H-02 [187] H-06
Color 色相	Light Gray



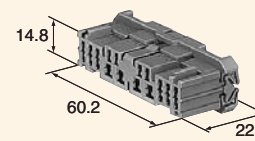
F(6950-0991)

Ref: Terminal part No. ターミナル参照頁	[090] H-02 [187] H-06
Color 色相	Light Gray



M(6950-0982)

Ref: Terminal part No. ターミナル参照頁	[090] H-02 [187] H-06
Color 色相	Light Gray



F(6950-0981)

H-06

187

14way
(12+2)

20way
(16+4)

HD SERIES

090, 187(2.3 mm, 4.8 mm) / HYBRID

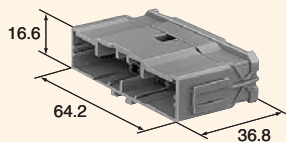
22way
(18+4)

Ref: Terminal part No.
ターミナル参照頁

[090] H-02
[187] H-06

Color
色相

Light Gray



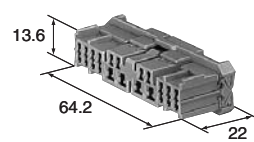
M(6950-0990)

Ref: Terminal part No.
ターミナル参照頁

[090] H-02
[187] H-06

Color
色相

Light Gray

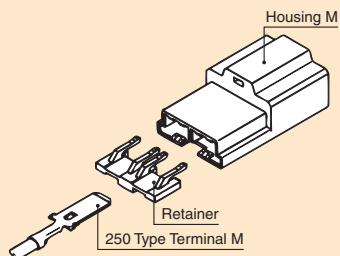


F(6950-0989)

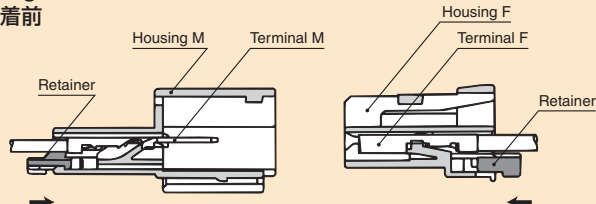
H-07

Structure / 構造

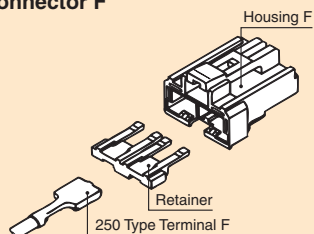
Connector M



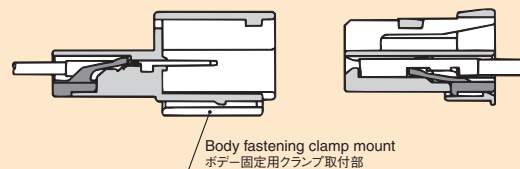
Before setting retainer リテーナ装着前



Connector F



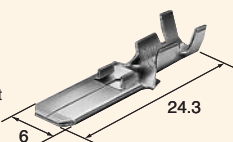
After setting retainer リテーナ装着後



※ Retainer eliminates the terminal backing-out by enforcing the lock mechanism.
※ 挿入不足のターミナルは、リテーナを装着することで前へ押し出され固定されます。

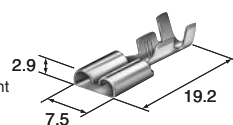
Terminal (mm)

Cable size (mm ²) 適用電線サイズ	0.3
Cable overall diameter (mm) 電線仕上り外径	1.4~1.9
Material 材質	Brass 黄銅
Surface treatment 表面処理	Anti-Corrosion treatment
Reel (piece) リール(個)	4000
Thickness (mm) 板厚	0.4 (Tab thickness : 0.8)



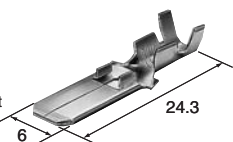
M(8230-4050)

Cable size (mm ²) 適用電線サイズ	0.3
Cable overall diameter (mm) 電線仕上り外径	1.4~1.9
Material 材質	Brass 黄銅
Surface treatment 表面処理	Anti-Corrosion treatment
Reel (piece) リール(個)	5000
Thickness (mm) 板厚	0.32



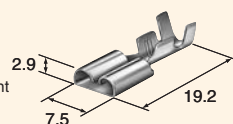
F(8240-4220)

Cable size (mm ²) 適用電線サイズ	0.5~2.0
Cable overall diameter (mm) 電線仕上り外径	1.6~3.4
Material 材質	Brass 黄銅
Surface treatment 表面処理	Anti-Corrosion treatment
Reel (piece) リール(個)	4000
Thickness (mm) 板厚	0.4 (Tab thickness : 0.8)



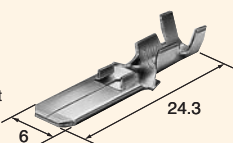
M(8230-4040)

Cable size (mm ²) 適用電線サイズ	0.5~2.0
Cable overall diameter (mm) 電線仕上り外径	1.6~3.4
Material 材質	Brass 黄銅
Surface treatment 表面処理	Anti-Corrosion treatment
Reel (piece) リール(個)	5000
Thickness (mm) 板厚	0.32



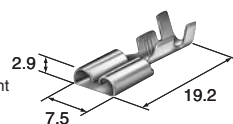
F(8240-4140)

Cable size (mm ²) 適用電線サイズ	2.0~3.0
Cable overall diameter (mm) 電線仕上り外径	2.9~4.1
Material 材質	Brass 黄銅
Surface treatment 表面処理	Anti-Corrosion treatment
Reel (piece) リール(個)	3500
Thickness (mm) 板厚	0.4 (Tab thickness : 0.8)



M(8230-4060)

Cable size (mm ²) 適用電線サイズ	2.0~3.0
Cable overall diameter (mm) 電線仕上り外径	2.9~4.1
Material 材質	Brass 黄銅
Surface treatment 表面処理	Anti-Corrosion treatment
Reel (piece) リール(個)	5000
Thickness (mm) 板厚	0.32



F(1500-0081)

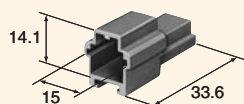
Anti-Corrosion treatment=防錆処理

Housing (mm)

Material / P.B.T.

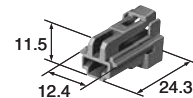
1way

Ref: Terminal part No. ターミナル参照頁	H-08
Color 色相	Brown



M(6098-0232)

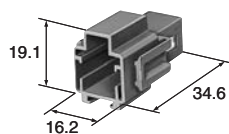
Ref: Terminal part No. ターミナル参照頁	H-08
Color 色相	Brown



F(6098-0234)

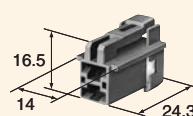
2way

Ref: Terminal part No. ターミナル参照頁	H-08
Color 色相	Brown
Note 備考	Block type



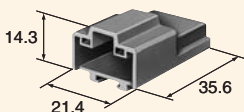
M(6098-0228)

Ref: Terminal part No. ターミナル参照頁	H-08
Color 色相	Brown



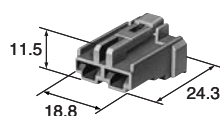
F(6098-0230)

Ref: Terminal part No. ターミナル参照頁	H-08
Color 色相	Brown



M(6098-0224)

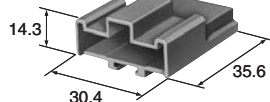
Ref: Terminal part No. ターミナル参照頁	H-08
Color 色相	Brown



F(6098-0226)

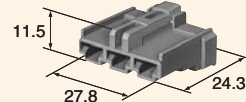
3way

Ref: Terminal part No. ターミナル参照頁	H-08
Color 色相	Brown



M(6098-0220)

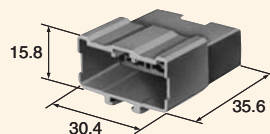
Ref: Terminal part No. ターミナル参照頁	H-08
Color 色相	Brown



F(6098-0222)

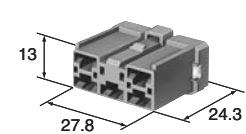
5way

Ref: Terminal part No. ターミナル参照頁	H-08
Color 色相	Brown



M(6098-0216)

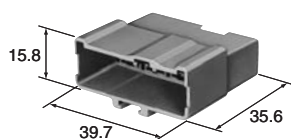
Ref: Terminal part No. ターミナル参照頁	H-08
Color 色相	Brown



F(6098-0218)

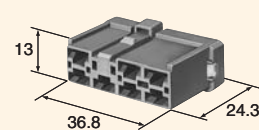
7way

Ref: Terminal part No. ターミナル参照頁	H-08
Color 色相	Brown



M(6098-0212)

Ref: Terminal part No. ターミナル参照頁	H-08
Color 色相	Brown

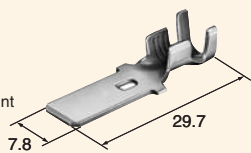


F(6098-0214)

H-09

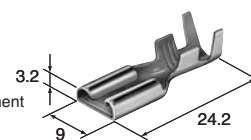
Terminal (mm)

Cable size (mm ²) 適用電線サイズ	0.85~2.0
Cable overall diameter (mm) 電線仕上り外径	2.1~3.4
Material 材質	Brass 黄銅
Surface treatment 表面処理	Anti-Corrosion treatment
Reel (piece) リール(個)	1500
Thickness (mm) 板厚	0.8 (Tab thickness : 0.8)



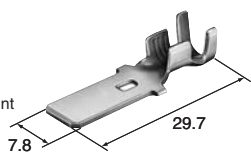
M(8232-4220)

Cable size (mm ²) 適用電線サイズ	0.5~2.0
Cable overall diameter (mm) 電線仕上り外径	2.0~3.4
Material 材質	Brass 黄銅
Surface treatment 表面処理	Anti-Corrosion treatment
Reel (piece) リール(個)	2500
Thickness (mm) 板厚	0.4



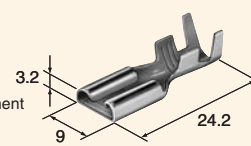
F(8242-4050)

Cable size (mm ²) 適用電線サイズ	3.0~5.0
Cable overall diameter (mm) 電線仕上り外径	3.6~4.9
Material 材質	Brass 黄銅
Surface treatment 表面処理	Anti-Corrosion treatment
Reel (piece) リール(個)	1500
Thickness (mm) 板厚	0.8 (Tab thickness : 0.8)



M(8232-4238)

Cable size (mm ²) 適用電線サイズ	3.0~5.0
Cable overall diameter (mm) 電線仕上り外径	3.6~4.9
Material 材質	Brass 黄銅
Surface treatment 表面処理	Anti-Corrosion treatment
Reel (piece) リール(個)	2500
Thickness (mm) 板厚	0.4



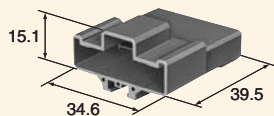
F(8242-4068)

Anti-Corrosion treatment=防錆処理

Housing (mm)

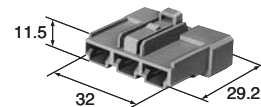
Material / P.B.T.

Ref: Terminal part No. ターミナル参照頁	H-10
Color 色相	Brown



M(6098-0208)

Ref: Terminal part No. ターミナル参照頁	H-10
Color 色相	Brown



F(6098-0210)

3way

HD SERIES

250, 305(6.6 mm, 7.8 mm)／HYBRID

Terminal

● Ref : 250 Terminal List (Page H-08), 305 Terminal List (Page H-10)

● 250ターミナルはH-08、305ターミナルはH-10に掲載。

Housing (mm)

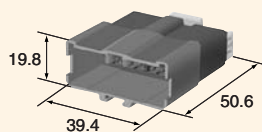
Material／P.B.T.

No. of way／() corresponds to 250, 305, in order from left to right.

極数／()内表示：左から250極数、305極数

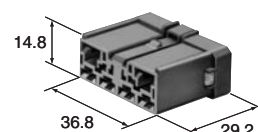
6way
(4+2)

Ref: Terminal part No. ターミナル参照頁	[250] H-08 [305] H-10
Color 色相	Brown



M(6098-3966)

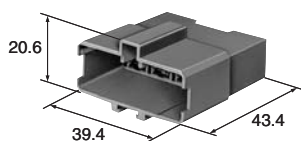
Ref: Terminal part No. ターミナル参照頁	[250] H-08 [305] H-10
Color 色相	Brown



F(6950-0978)

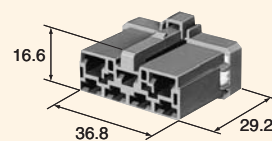
7way
(5+2)

Ref: Terminal part No. ターミナル参照頁	[250] H-08 [305] H-10
Color 色相	Brown



M(6950-1030)

Ref: Terminal part No. ターミナル参照頁	[250] H-08 [305] H-10
Color 色相	Brown



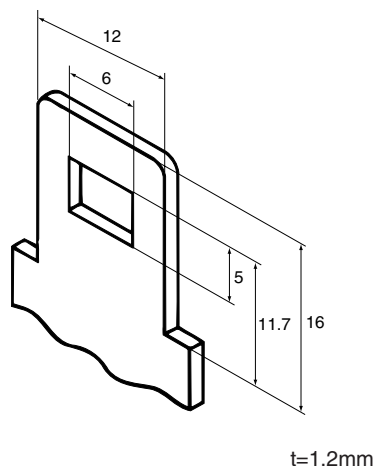
F(6950-0366)

H-11

HD SERIES

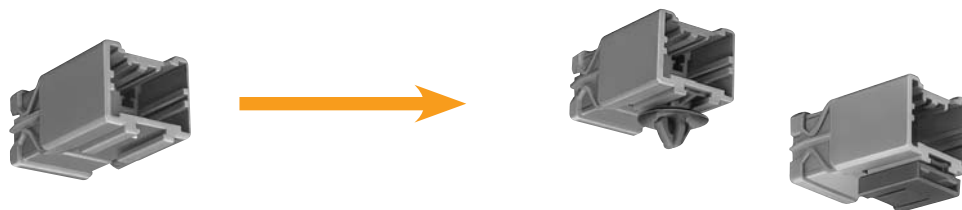
COMMON USE PARTS

▶▶ Bracket for attaching (mm) ◀◀



Note) The dimensions as shown here are reference dimensions and detail dimensions for mounting portion of the bracket are specified in the official drawing. Please contact our sales staff.

※上図寸法は参考寸法です。取付部詳細寸法は別途図面により規定しますので、弊社営業担当にお問い合わせください。

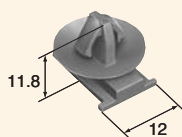


▶▶ Body fastening clamp (mm) ◀◀

The clamp can be installed to connector M, if necessary, to fasten into the body side hole.

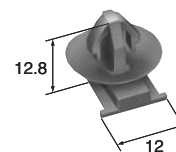
Mコネクタには、ボデー側の穴に固定するためのクランプを必要に応じて取付けることができます。

Clamp fitting hole size (mm) 適合穴サイズ	φ 7
Clamp fitting thickness (mm) クランプ適合板厚	t=0.65~1.6
Material 材質	6 Nylon
Color 色相	Red



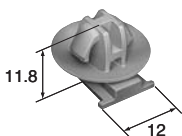
(6810-1203)

Clamp fitting hole size (mm) 適合穴サイズ	φ 7
Clamp fitting thickness (mm) クランプ適合板厚	t=1.6~2.6
Material 材質	6 Nylon
Color 色相	Brown



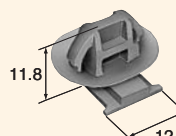
(6810-1217)

Clamp fitting hole size (mm) 適合穴サイズ	φ 10
Clamp fitting thickness (mm) クランプ適合板厚	t=0.65~1.6
Material 材質	6 Nylon
Color 色相	Natural



(6810-1204)

Clamp fitting hole size (mm) 適合穴サイズ	6 × 12 (Square hole)
Clamp fitting thickness (mm) クランプ適合板厚	t=0.65~1.6
Material 材質	6 Nylon
Color 色相	Orange



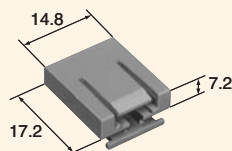
(6810-1462)

▶▶ Body fastening clamp (Bracket type) (mm) ◀◀

Connector M can be accoupled with clamp, if necessary, to fasten to the body side bracket.

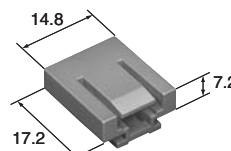
Mコネクタには、ボデー側のブラケットに固定するためのクランプを必要に応じて取付けることができます。

Bracket direction ブラケット差込み方向	Connector mating direction コネクタ嵌合方向
Material 材質	6 Nylon
Color 色相	Red



(6910-0119)

Bracket direction ブラケット差込み方向	Anti clock wise コネクタ嵌合の逆方向
Material 材質	6 Nylon
Color 色相	Natural



(6910-0120)