

HFC-IV SERIES

Features

HFC-IV (High Frequency Connector) series are suitable for applications such as Telematics, Infotainment, Camera, Antenna and sensor circuit. It reduces reflection/transmission loss and restraints noise radiation. It achieved smaller size with higher performance. Hybrid types for high frequency coaxial wire and automobile wire (AV) are established. (It supports diversity receiving system.) Retainer for secondary lock is preloaded and the structure allows the high frequency coaxial wire and AV wire to be set by one operation. Therefore improvement of assembling operation can be planned.

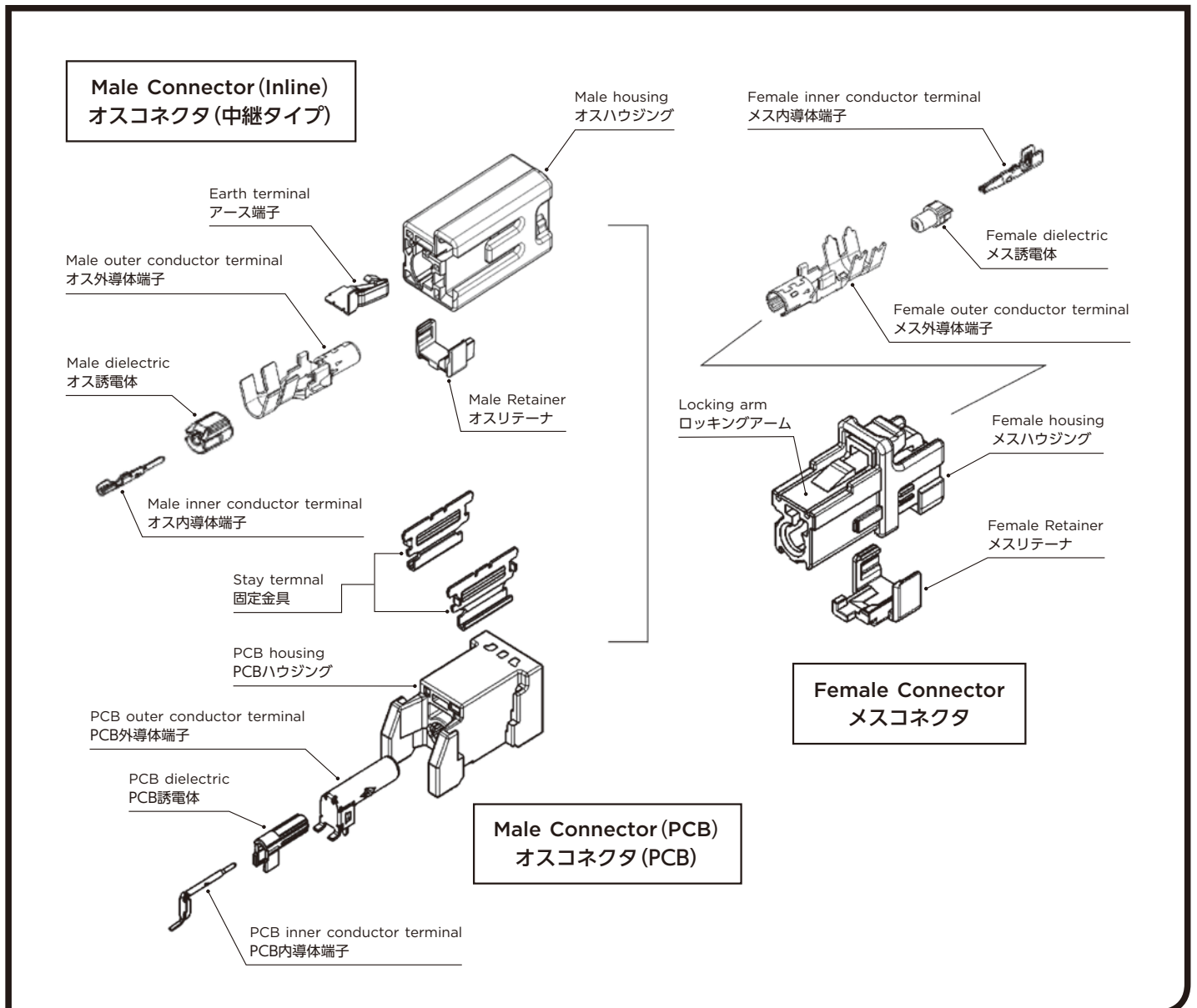
特長

HFC-IVシリーズ（高周波コネクタ）は、テレマティクス、インフォテインメント機器、カメラ、アンテナ等の車載アプリケーションに最適な、センサ回路にも適したコネクタです。伝送損失、反射、ノイズ放射を抑制し、小型高性能化を実現しています。

高周波同軸線と自動車用電線（AV）のハイブリッドタイプを設定しています。（ダイバシティ受信方式に対応しています。）

二重係止用リテーナは予め組み付けられており、高周波同軸線とAV線が同一作業でセットできる構造により、組み付け作業の向上が図れます。

Structure / 構造

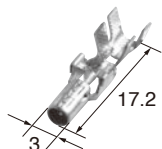


Conductor Terminal

(Note) Applicable Wire → JIS Standard.

(M) Terminal assy 端子ASSY

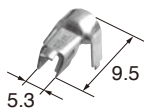
**8230-5984 (SS) 8230-5986 (MS) 8230-5985 (SM)
8230-6011 (LL)**



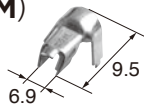
Material	
Dielectric(Natural color) 誘電体(自然色)	PBT
Outer conductor terminal 外導体端子	Brass(Tin-plated) 黄銅(Snめっき)
Inner conductor terminal 内導体端子	Brass(Tin/Au-plated) 黄銅(Sn/Auめっき)

(M) Cover terminal assy* カバー端子ASSY (Optional Parts)

8410-6378 (SS) 8410-6480 (LM)

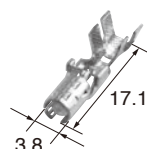


Material	
Dielectric(Light Gray color) 誘電体(淡灰色)	PP
Cover カバー	Brass(Tin-plated) 黄銅(Snめっき)



(F) Terminal assy 端子ASSY

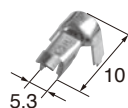
**8240-0765 (SS) 8240-0767 (MS) 8240-0766 (SM)
8240-0796 (LL)**



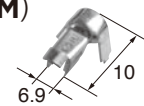
Material	
Dielectric(Natural color) 誘電体(自然色)	PBT
Outer conductor terminal 外導体端子	Brass(Tin-plated) 黄銅(Snめっき)
Inner conductor terminal 内導体端子	Heat resistant copper-alloy (Tin/Au-plated) 耐熱銅合金(Sn/Auめっき)

(F) Cover terminal assy* カバー端子ASSY (Optional Parts)

8240-0778 (SS) 8410-6479 (LM)



Material	
Dielectric(Light Gray color) 誘電体(淡灰色)	PP
Cover カバー	Brass(Tin-plated) 黄銅(Snめっき)

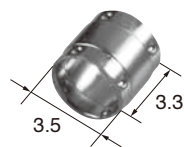


*(Note) Cover terminal is used under 6GHz frequency band conditions for 1.5D-2V/2.5D-FV wire.
注) 1.5D線以上において周波数帯～6GHzでご使用ください。

*(Note) Cover terminal is used under 6GHz frequency band conditions for 1.5D-2V/2.5D-FV wire.
注) 1.5D線以上において周波数帯～6GHzでご使用ください。

(M)/(F) Shared Sleeve* スリーブ (Optional Parts)

8410-6472

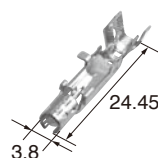


Material	
	SUS ステンレス

*(Note) Sleeve is used with foaming coaxial cable.
注) 発砲絶縁体の同軸電線でご使用ください。

(F) Terminal assy* 端子ASSY for RADIO

8240-0768 (SM) 8240-0769 (MM)



Material	
Dielectric(Natural color) 誘電体(自然色)	PBT
Outer conductor terminal 外導体端子	Brass(Tin-plated) 黄銅(Snめっき)
Inner conductor terminal 内導体端子	Heat resistant copper-alloy (Tin/Au-plated) 耐熱銅合金(Sn/Auめっき)

*(Note) The terminal for radio can connect a condenser inside.
On this occasion, a common crimping terminal is necessary.
注) ラジオ用端子は、内部にコンデンサを接続することが可能です。
その際、共圧着端子(8240-0777)をご使用ください。

Applicable coaxial wire for Terminal assy / 適用同軸電線

(M)	Applicable cable		Frequency band	Parts No.	Size	Sleeve	Cover terminal assy
	75Ω	1.5C-2V	～770MHz	8230-5984	(SS)	-	-
	1.5C-2W	～770MHz	8230-5986	(MS)	-	-	
50Ω	1.5D-2V	～240MHz カバー端子無し(Without cover terminal)	8230-5985	(SM)	-	8410-6378	
		～6GHz カバー端子有(With cover terminal)					
	2.5D-FV	～6GHz	8230-6011	(LL)	8410-6472	8410-6480	

(F)	Applicable cable		Frequency band	Parts No.	Size	Sleeve	Cover terminal assy
	75Ω	1.5C-2V	～770MHz	8240-0765	(SS)	-	-
	1.5C-2W	～770MHz	8240-0767	(MS)	-	-	
50Ω	1.5D-2V	～240MHz カバー端子無し(Without cover terminal)	8240-0766	(SM)	-	8240-0778	
		～6GHz カバー端子有(With cover terminal)					
	2.5D-FV	～6GHz	8240-0796	(LL)	8410-6472	8410-6479	

Basic specification / 基本仕様

Low voltage current resistance 低電圧電流抵抗	Coaxial wire 同軸線	Max. 20mΩ (Initial/初期)
	AV wire AV線	Max. 8mΩ (Initial/初期)
Insulation resistance 絶縁抵抗		Min. 100MΩ
Working temperature 使用温度		-40℃～+105℃

VSWR 電圧定在波比	75Ω系	～108MHz	Max. 1.2
		～770MHz	Max. 1.4
	50Ω系	～240MHz(1.5D系) Without cover terminal カバー端子無	Max. 1.3
		～3GHz(1.5D系) With cover terminal カバー端子有	Max. 1.3
		～3GHz(2.5D系)	Max. 1.2
	3～6GHz	Max. 1.3	

HFC-IV SERIES

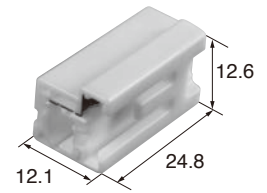
for Standard

Material : PBT

1 pole coaxial wire

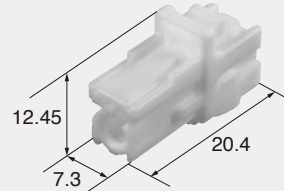
(Key A)

Color Natural



M (6098-9701)

F (6098-9503)



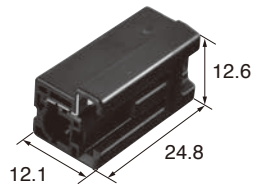
PCB Connector part No. 6098-9523

Color Natural

1 pole coaxial wire

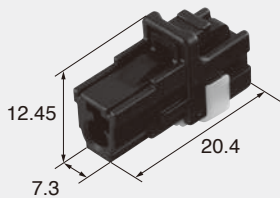
(Key B)

Color Black



M (6098-9704)

F (6098-9506)



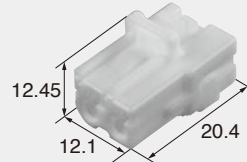
PCB Connector part No. 6098-9526

Color Black

2 poles coaxial wire

(Key A)

F (6098-9510)



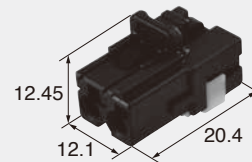
PCB Connector part No. 6098-9528

Color Natural

2 poles coaxial wire

(Key B)

F (6098-9513)



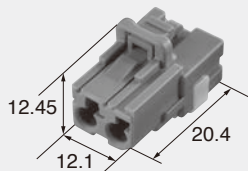
PCB Connector part No. 6098-9530

Color Black

2 poles coaxial wire

(Key C)

F (6098-9515)



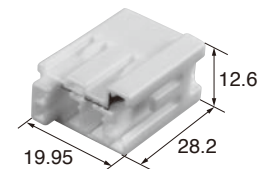
PCB Connector part No. 6098-9532

Color Gray

2 poles coaxial wire + 2 poles AV wire (0.64II)

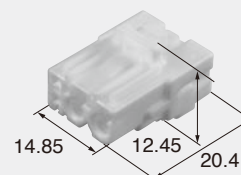
(Key A)

Color Natural



M (6098-9706)

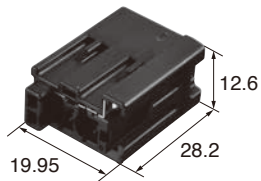
F (6098-9688)



Color Natural

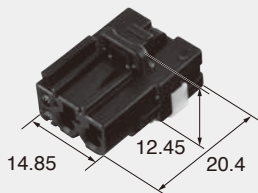
2 poles coaxial wire + 2 poles AV wire (0.64 II) (Key B)

Color Black



M (6098-9709)

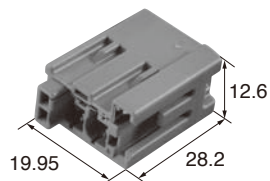
F (6098-9691)



Color Black

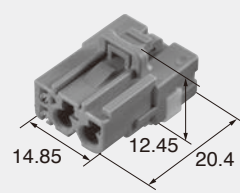
2 poles coaxial wire + 2 poles AV wire (0.64 II) (Key C)

Color Gray



M (6098-9711)

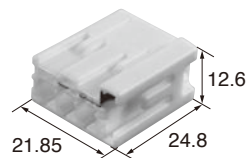
F (6098-9693)



Color Gray

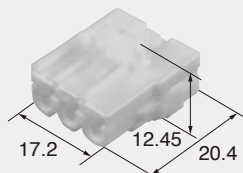
3 poles coaxial wire

Color Natural



M (6098-9713)

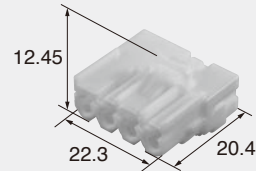
F (6098-9695)



Color Natural

4 poles coaxial wire

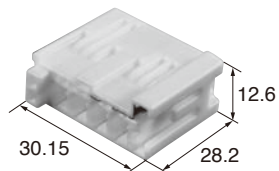
F (6098-9520)



PCB Connector part No. 6098-9536
Color Natural

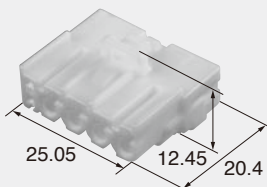
4 poles coaxial wire + 2 poles AV wire (0.64 II)

Color Natural



M (6098-9716)

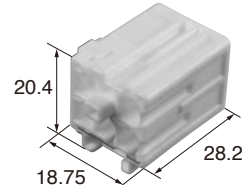
F (6098-9698)



Color Natural

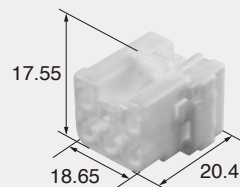
5 poles coaxial wire + 1 pole AV wire (0.64 II)

Color Natural



M (6098-9603)

F (6098-9600)



Color Natural

HFC-IV SERIES for PCB

Material : LCP

1 pole coaxial wire

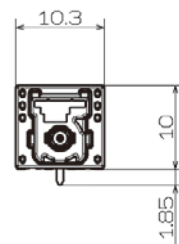
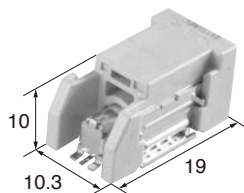
Horizontal SMT 水平タイプ (Key A)

M (6098-9523)

●Detailed dimension
寸法詳細

(F) Connector part
No. 6098-9503

Color Natural



1 pole coaxial wire

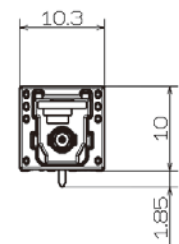
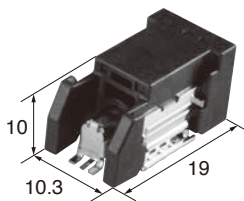
Horizontal SMT 水平タイプ (Key B)

M (6098-9526)

●Detailed dimension
寸法詳細

(F) Connector part
No. 6098-9506

Color Black



2 poles coaxial wire

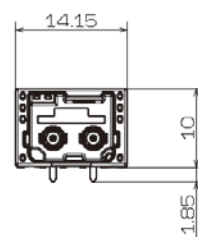
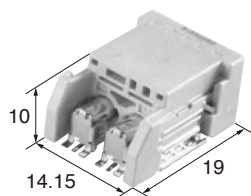
Horizontal SMT 水平タイプ (Key A)

M (6098-9528)

●Detailed dimension
寸法詳細

(F) Connector part
No. 6098-9510

Color Natural

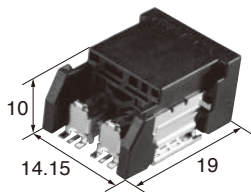


2 poles coaxial wire

Horizontal SMT 水平タイプ (Key B)

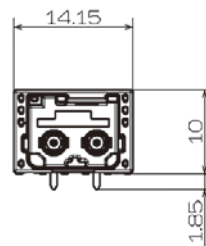
M (6098-9530)

●Detailed dimension
寸法詳細



(F) Connector part No. 6098-9513

Color Black

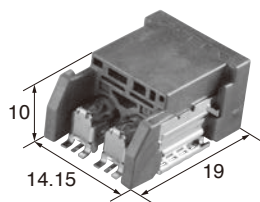


2 poles coaxial wire

Horizontal SMT 水平タイプ (Key C)

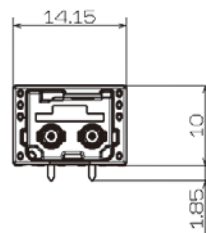
M (6098-9532)

●Detailed dimension
寸法詳細



(F) Connector part No. 6098-9515

Color Gray

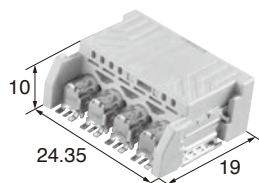


4 poles coaxial wire

Horizontal SMT 水平タイプ

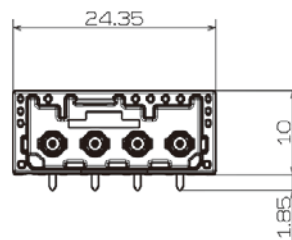
M (6098-9536)

●Detailed dimension
寸法詳細



(F) Connector part No. 6098-9520

Color Natural



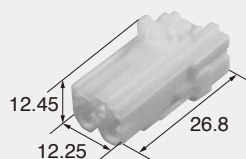
HFC-IV SERIES for RADIO

Material : PBT/LCP

STANDARD

2 poles coaxial wire + 1 pole AV wire (0.64II)

F (6098-9517)



PCB Connector part No. 6098-9534

Material PBT

Color Natural

PCB

2 poles coaxial wire + 1 pole AV wire (0.64II)

Horizontal SMT 水平タイプ

M (6098-9534)

●Detailed dimension
寸法詳細

(F) Connector part No. 6098-9517

Material LCP

Color Natural

