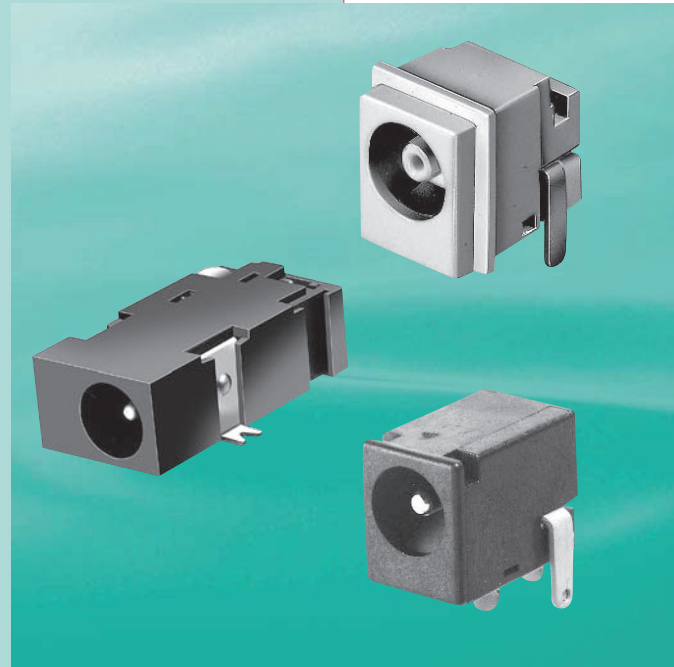


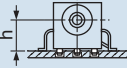
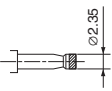
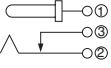
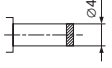
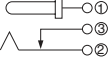
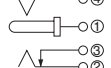
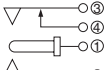
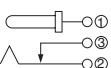
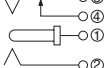
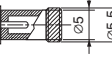
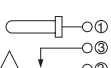
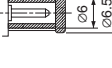
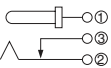
DC Power Jacks



Contents & Specifications	1
DC Power Jacks(JEITA RC-5320A Standard)	
Product Lineup	2
DC Power Jacks	3 - 11
DC Power Jacks	
Product Lineup	12
DC Power Jacks	13 - 16
for Automotive Equipment Use	
DC Power Jacks (JEITA RC-5322 Standard)	
DC Power Jacks	17
for DC-Out	
DC-Out Power Jacks (JEITA RC-5321 Standard)	
DC-Out Power Jacks	18

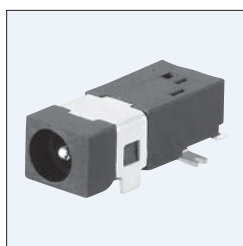
Specifications

Insulation Resistance		100MΩ min. (at 500V DC)
Withstanding Voltage		500V AC (r.m.s) / 1 minute
Contact Resistance	Plug-① and Plug-②	50mΩ max.
	others	30mΩ max.

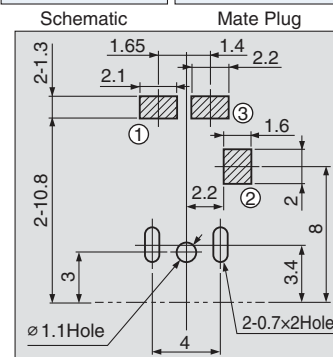
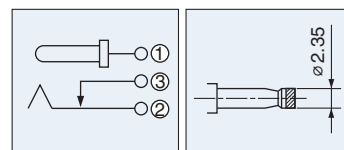
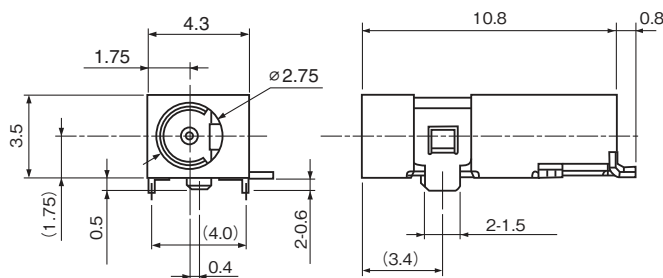
Voltage Classification	Mate Plug (mm)	Schematic	DC. (Nominal Value)	Rated Voltage (V)	Rated Current (A)	Model No.			
						SMT	PCB		for Lead Wire Terminals
						Horizontal Type 	Horizontal Type 	Vertical Type 	
1			$V \leq 3.15$	3.15	2	(h=1.75mm) HEC3450 (h=1.8mm) HEC3357 (h=3mm) HEC3350	(h=2.2mm) HEC4306 (h=3mm) HEC3301		—
2			$3.15 < V \leq 6.3$	6.3	2	(h=2.6mm) HEC3654 (h=3.8mm) HEC3650	(h=2.2mm) HEC3604 (h=3mm) HEC3600 (h=6.5mm) HEC3610	—	HEC4670
						—	(h=2.6mm) HEC3616	—	—
						—	(h=3mm) HEC3690 (h=6.5mm) HEC3680	—	—
3			$6.3 < V \leq 10.5$	10.5	2	(h=3mm) HEC3150	(h=3mm) HEC3110 (h=6.5mm) HEC3100	($\ell = 14\text{mm}$) HEC3130	—
						—	(h=3mm) HEC4100	($\ell = 14\text{mm}$) HEC3140	—
4			$10.5 < V \leq 13.5$	13.5	2	(h=4mm) HEC3850	(h=4mm) HEC4801 (h=6.5mm) HEC3800	($\ell = 14\text{mm}$) HEC3830	—
5			$13.5 < V \leq 18.0$	18.0	2	—	(h=7mm) HEC3900	($\ell = 14\text{mm}$) HEC3930	—

HEC3450

Voltage Classification 1, Horizontal Type



h = 1.75
SMT
With terminal
for reinforcement

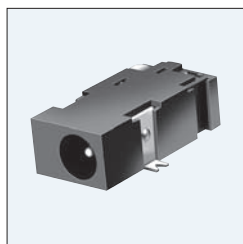


PCB Layout
(Top View)

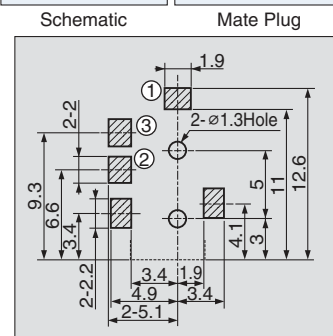
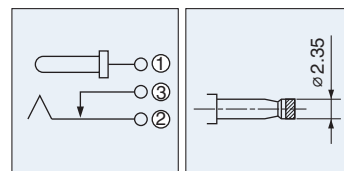
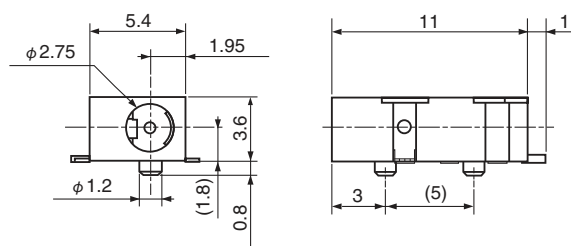
Housing Color	Model No.
Black	HEC3450-012010

HEC3357

Voltage Classification 1, Horizontal Type



h = 1.8
SMT

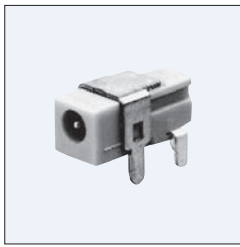


PCB Layout
(Top View)

Housing Color	Model No.
Black	HEC3357-012010
Yellow	HEC3357-012020

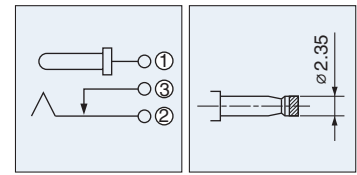
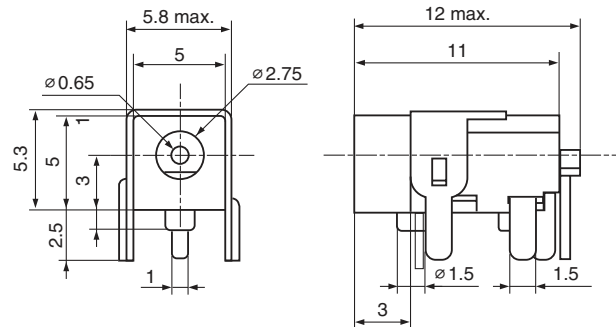
HEC3300

Voltage Classification 1,Horizontal Type



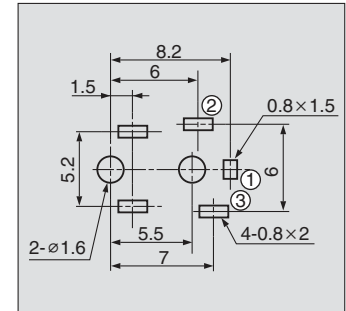
h=3

Housing Color	Model No.
Black	HEC3301-017110
Yellow	HEC3301-017120



Schematic

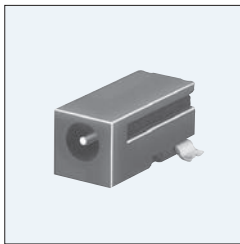
Mate Plug



Hole Layout
(Bottom View)

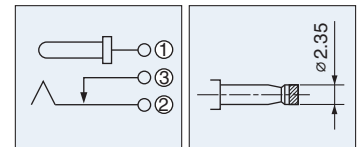
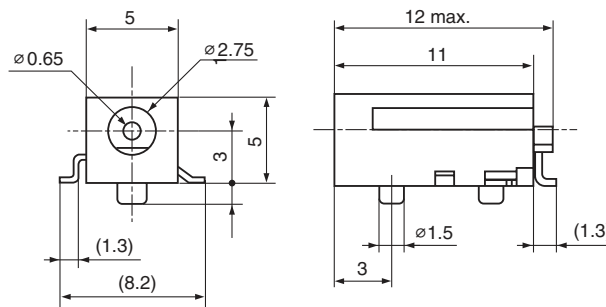
HEC3350

Voltage Classification 1,Horizontal Type



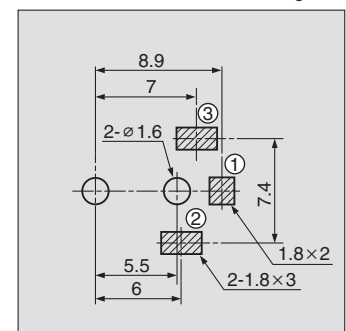
h=3 SMT

Packaging Style Housing Color	Bulk (Hand Soldering Only)	Taping (Reflow Soldering)
Black	HEC3350-010110	HEC3350-012110



Schematic

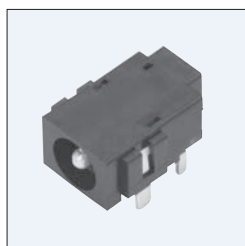
Mate Plug



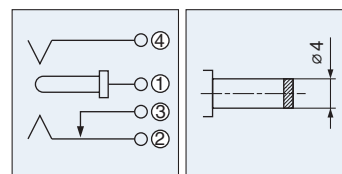
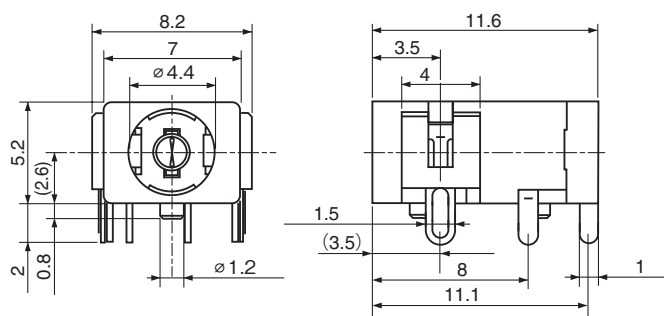
PCB Layout
(Top View)

HEC3606

Voltage Classification 2, Horizontal Type

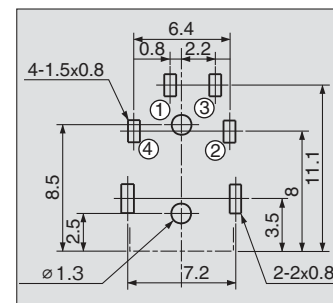


h=2.6



Schematic

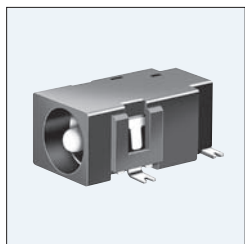
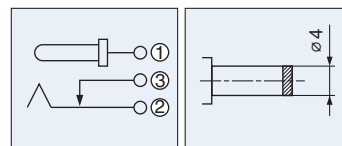
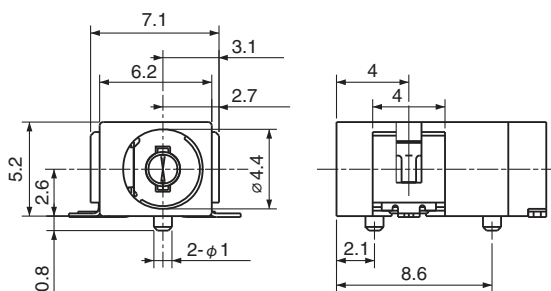
Mate Plug


Hole Layout
(Bottom View)

Housing Color	Model No.
Black	HEC3616-010010

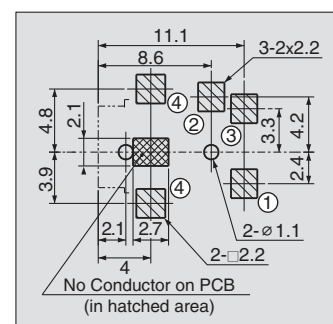
HEC3654

Voltage Classification 2, Horizontal Type


h=2.6
SMT


Schematic

Mate Plug


PCB Layout
(Top View)

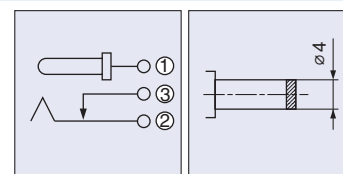
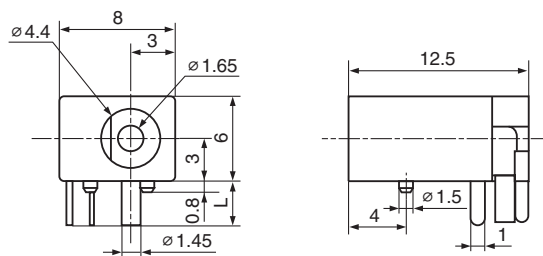
Housing Color	Model No.
Black	HEC3654-012010
Yellow	HEC3654-012020

HEC3600

Voltage Classification 2, Horizontal Type

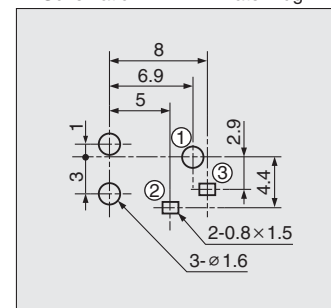


h=3



Schematic

Mate Plug


Hole Layout
(Bottom View)

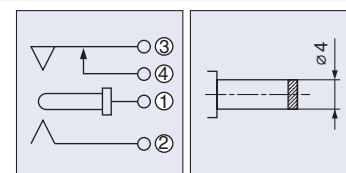
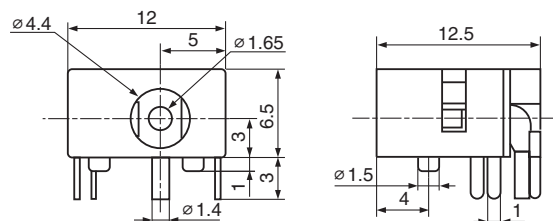
Dimension L	L=1.5	L=2.5	L=3
Housing Color			
Black	HEC3600-016010	HEC3600-010510	HEC3600-016110
Yellow	HEC3600-016020	HEC3600-010520	HEC3600-016120

HEC3690

Voltage Classification 2, Horizontal Type

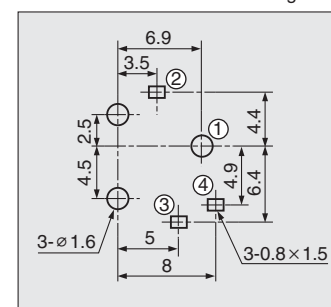


h=3



Schematic

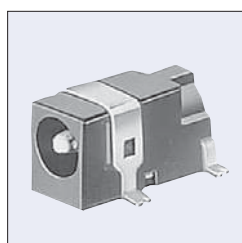
Mate Plug


Hole Layout
(Bottom View)

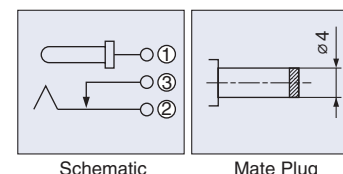
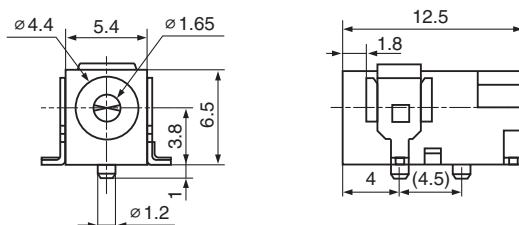
Housing Color	Model No.
Black	HEC3690-015210
Yellow	HEC3690-015220

HEC3650

Voltage Classification 2, Horizontal Type

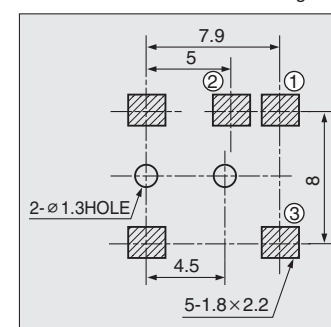


h=3.8 SMT



Schematic

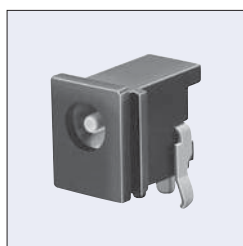
Mate Plug


PCB Layout
(Top View)

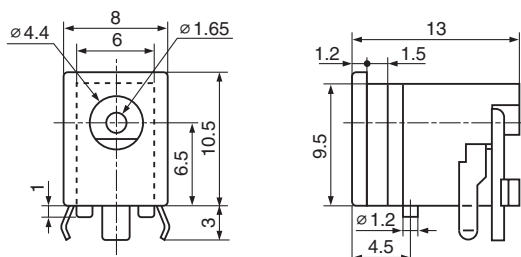
Packaging Style	Bulk (Hand Soldering Only)	Taping (Reflow Soldering)
Housing Color		
Black	HEC3650-017010	HEC3650-018010
Yellow	HEC3650-017020	HEC3650-018020

HEC3610

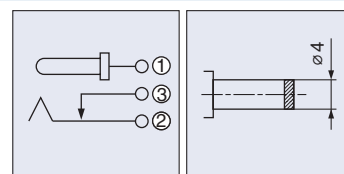
Voltage Classification 2, Horizontal Type



h=6.5

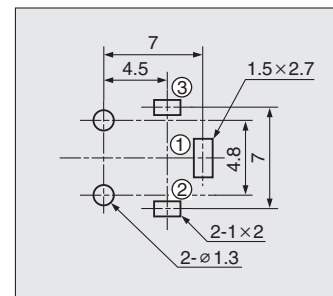


Housing Color	Model No.
Black	HEC3610-010010
Yellow	HEC3610-010020



Schematic

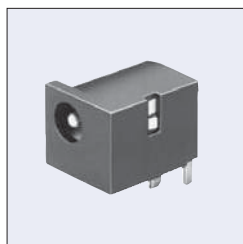
Mate Plug



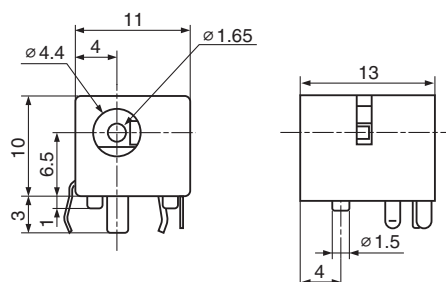
Hole Layout
(Bottom View)

HEC3680

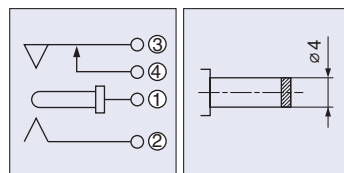
Voltage Classification 2, Horizontal Type



h=6.5

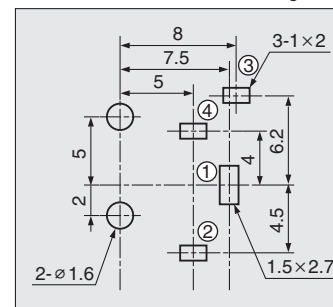


Housing Color	Model No.
Black	HEC3680-010010
Yellow	HEC3680-010020



Schematic

Mate Plug



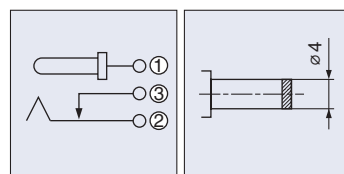
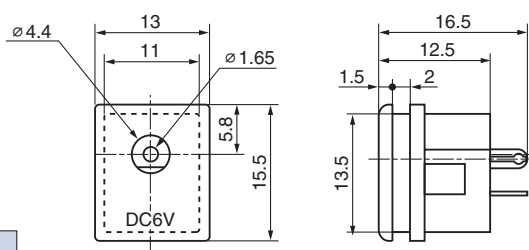
Hole Layout
(Bottom View)

HEC4670

Voltage Classification 2

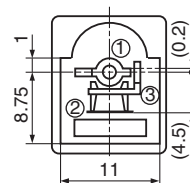


Lead Wire Terminal



Schematic

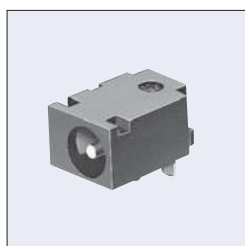
Mate Plug



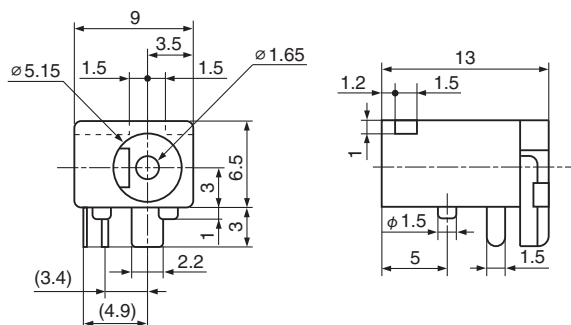
Housing Color	Model No.
Black	HEC4670-010210

HEC3110

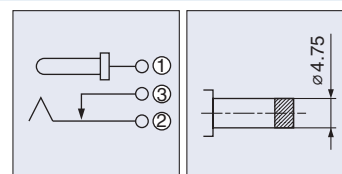
Voltage Classification 3, Horizontal Type



h=3

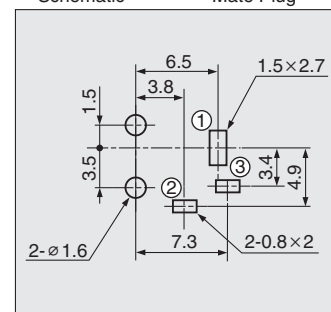


Housing Color	Model No.
Black	HEC3110-01-010
Yellow	HEC3110-01-020



Schematic

Mate Plug

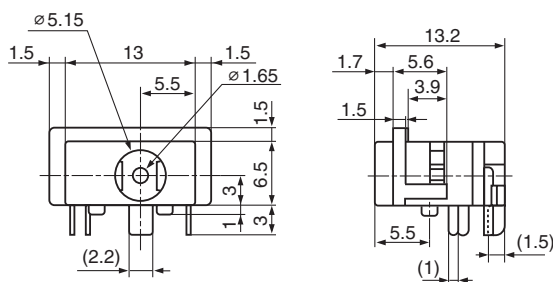

Hole Layout
(Bottom View)

HEC4100

Voltage Classification 3, Horizontal Type

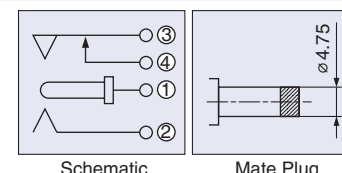


h=3



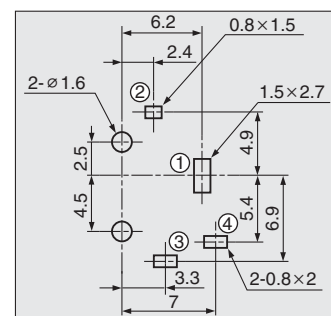
Housing Color	Model No.
Black	HEC4100-01-010
Yellow	HEC4100-01-020

※Hand Soldering Only



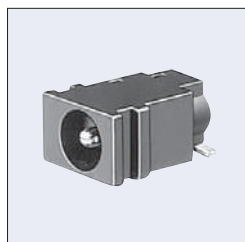
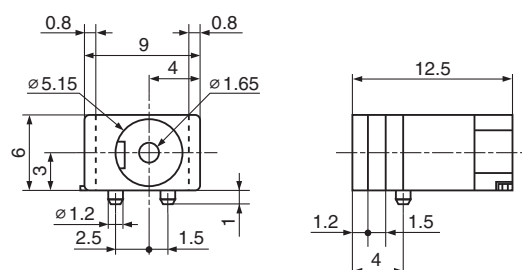
Schematic

Mate Plug

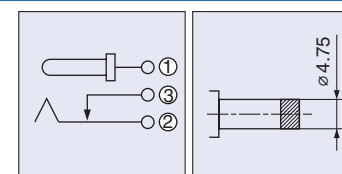

Hole Layout
(Bottom View)

HEC3150

Voltage Classification 3, Horizontal Type

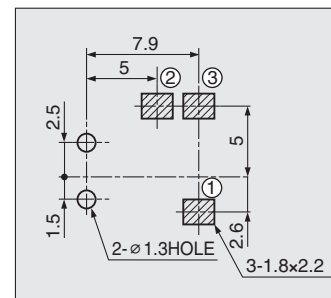

h=3
SMT


Packaging Style	Bulk (Hand Soldering Only)	Taping (Reflow Soldering)
Housing Color		
Black	HEC3150-010010	HEC3150-012110
Yellow	HEC3150-010020	HEC3150-012120



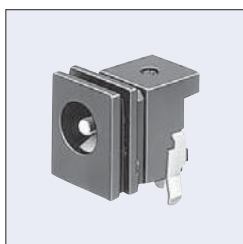
Schematic

Mate Plug

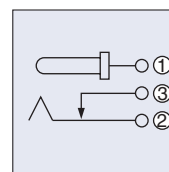
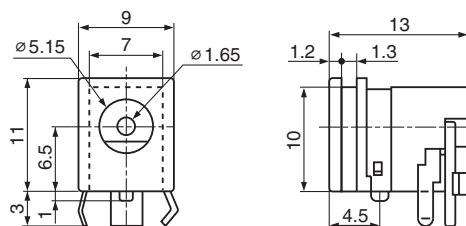

PCB Layout
(Top View)

HEC3100

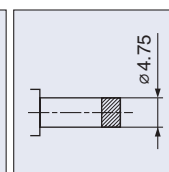
Voltage Classification 3, Horizontal Type



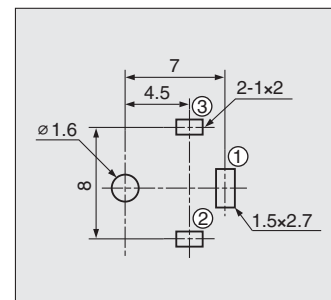
h=6.5



Schematic



Mate Plug

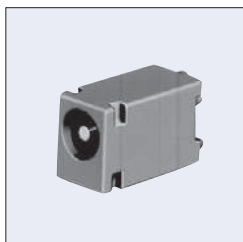


Hole Layout
(Bottom View)

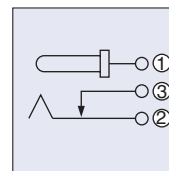
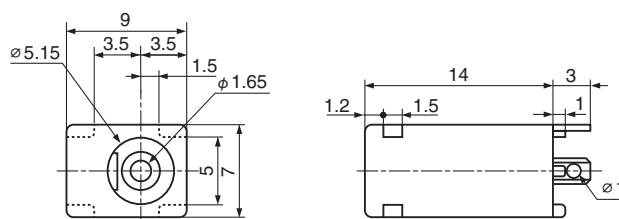
Housing Color	Model No.
Black	HEC3100-010010
Yellow	HEC3100-010020

HEC3130

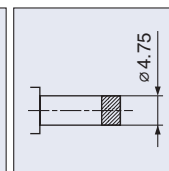
Voltage Classification 3, Vertical Type



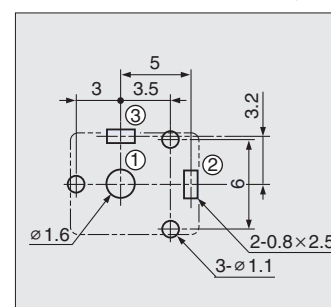
ℓ=14



Schematic



Mate Plug

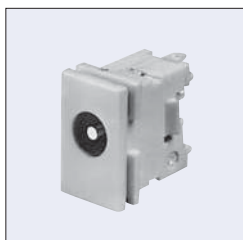


Hole Layout
(Bottom View)

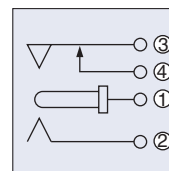
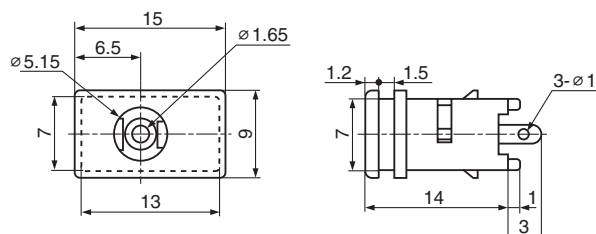
Housing Color	Model No.
Black	HEC3130-010010
Yellow	HEC3130-010020

HEC3140

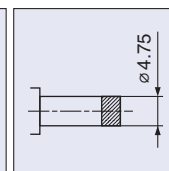
Voltage Classification 3, Vertical Type



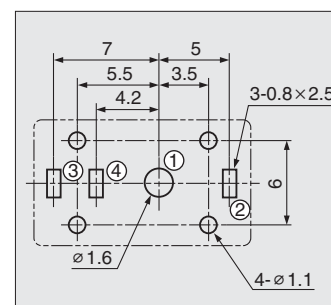
ℓ=14



Schematic



Mate Plug

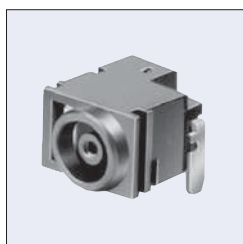


Hole Layout
(Bottom View)

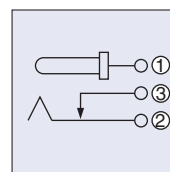
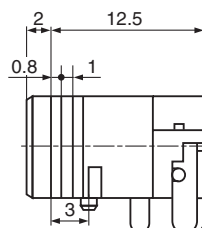
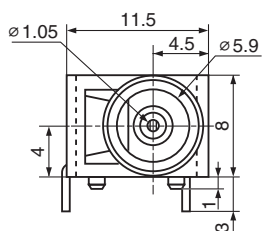
Housing Color	Model No.
Black	HEC3140-010010
Yellow	HEC3140-010020

HEC4801

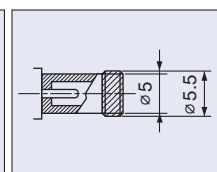
Voltage Classification 4, Horizontal Type



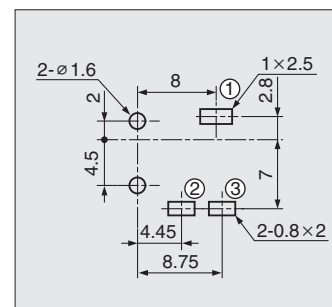
h=4



Schematic



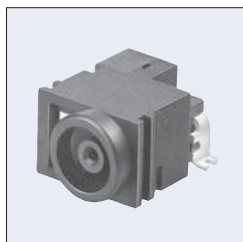
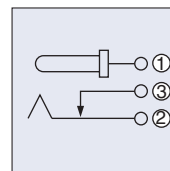
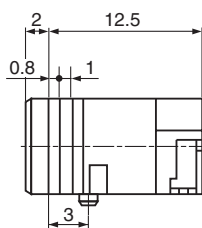
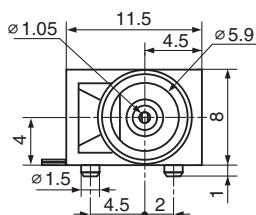
Mate Plug


Hole Layout
(Bottom View)

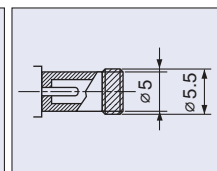
Housing Color	Model No.
Black	HEC4801-010110
Yellow	HEC4801-010120

HEC3850

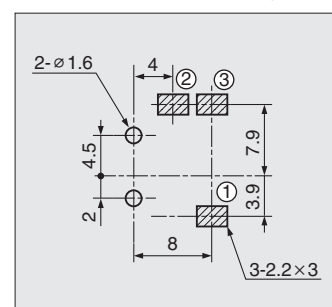
Voltage Classification 4, Horizontal Type


h=4
SMT


Schematic



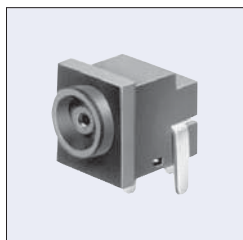
Mate Plug


PCB Layout
(Top View)

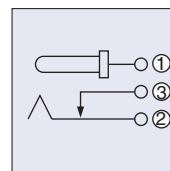
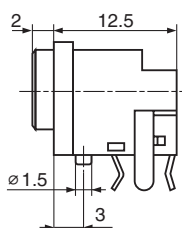
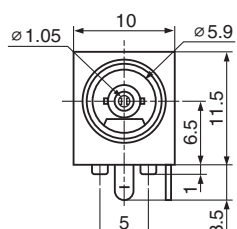
Packaging Style	Bulk (Hand Soldering Only)	Taping (Reflow Soldering)
Housing Color		
Black	HEC3850-010110	HEC3850-012110
Yellow	HEC3850-010120	HEC3850-012120

HEC3800

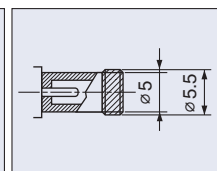
Voltage Classification 4, Horizontal Type



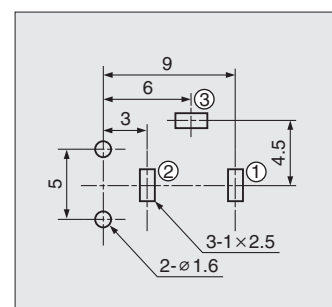
h=6.5



Schematic



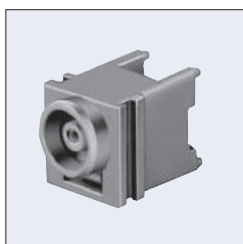
Mate Plug


Hole Layout
(Bottom View)

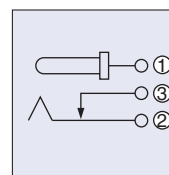
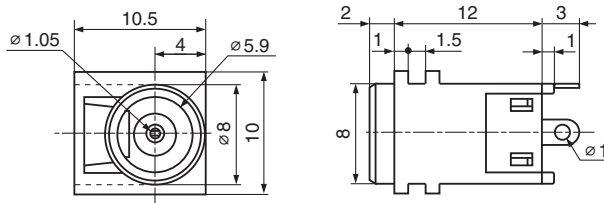
Housing Color	Model No.
Black	HEC3800-01-010
Yellow	HEC3800-01-020

HEC3830

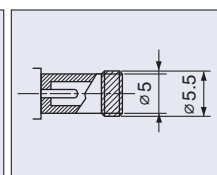
Voltage Classification 4, Vertical Type



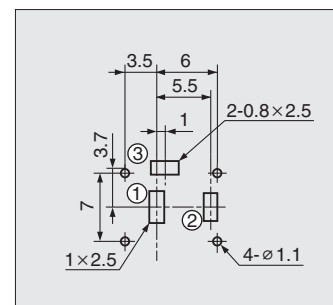
$\ell = 14$



Schematic



Mate Plug

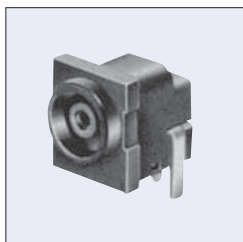


Hole Layout
(Bottom View)

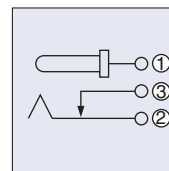
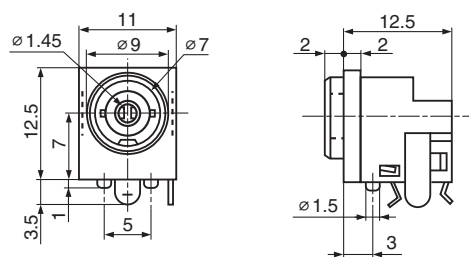
Housing Color	Model No.
Black	HEC3830-010010
Yellow	HEC3830-010020

HEC3900

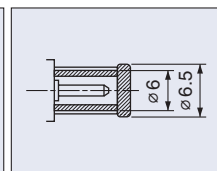
Voltage Classification 5, Horizontal Type



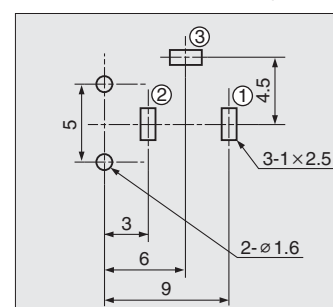
$h = 7$



Schematic



Mate Plug

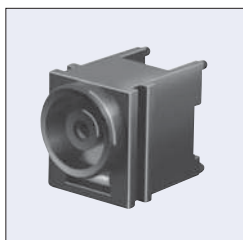


Hole Layout
(Bottom View)

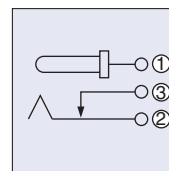
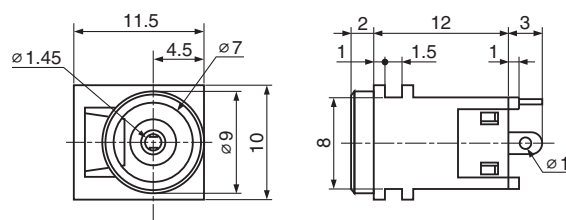
Housing Color	Model No.
Black	HEC3900-010110
Yellow	HEC3900-010120

HEC3930

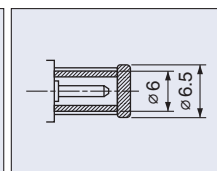
Voltage Classification 5, Vertical Type



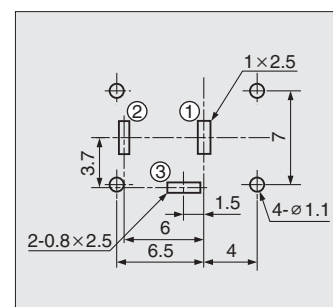
$\ell = 14$



Schematic

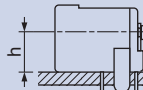
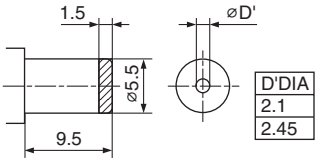
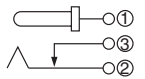
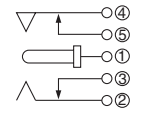
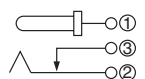
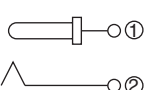
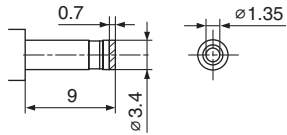
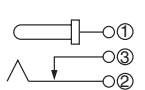


Mate Plug



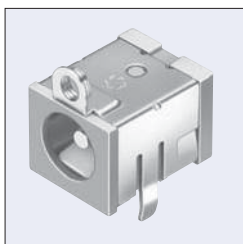
Hole Layout
(Bottom View)

Housing Color	Model No.
Black	HEC3930-010010
Yellow	HEC3930-010020

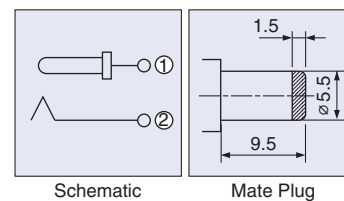
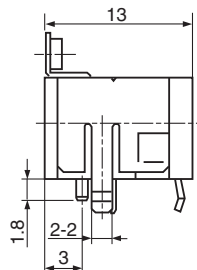
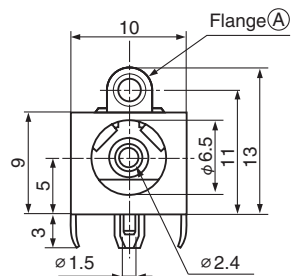
Model	Mate Plug (mm)	Schematic	Pin DIA (mm)	Model No.
				PCB
				Horizontal Type 
Model A			2	(3A 16V DC h=6.5mm) HEC0470-01-630 (3A 16V DC h=6.5mm) HEC2305-016250
				(2A 12V DC :Between Plug and Jack 1.6A 12V DC :Break terminal, Make terminal h=6.5mm) HEC2392-0101509
			2.35	(3A 16V DC h=6.5mm) HEC0470-01-640 (3A 16V DC h=6.5mm) HEC2305-016260
			2.4	(3A 16V DC h=5mm) TCS7382-210177
Model E			1.3	(0.5A 12V DC h=2.5mm) HEC2707-012010 (0.5A 12V DC h=2.5mm) HEC2711-01-620 (0.5A 12V DC h=2.5mm) HEC2712-01-620 (0.5A 12V DC h=2.5mm) HEC2711-01-020 (0.5A 12V DC h=2.5mm) HEC2712-010120

TCS7382

Model A, Horizontal Type

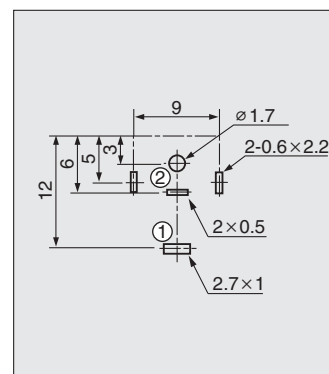


TCS7382-210177
h=5
Rating: 3A 16V DC



Schematic

Mate Plug

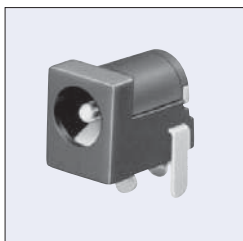


Hole Layout
(Bottom View)

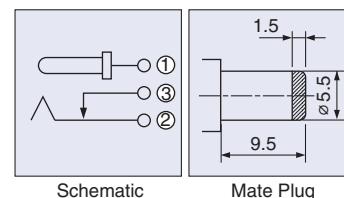
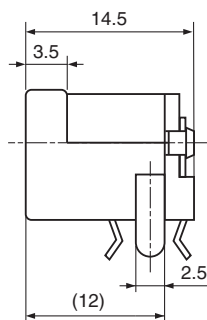
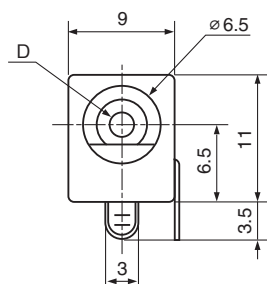
Housing Color	Model No.	Flange (A)
Black	TCS7382-211177	With
Yellow	TCS7382-210177	With
Black	TCS7382-011177	Without
Yellow	TCS7382-010177	Without

HEC0470

Model A, Horizontal Type

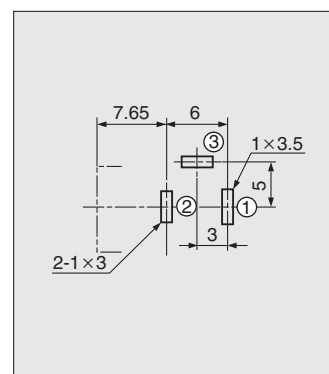


HEC0470-01-630
h=6.5
Rating: 3A 16V DC



Schematic

Mate Plug

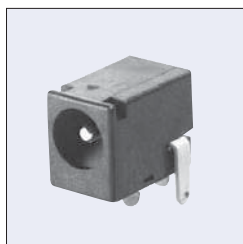


Hole Layout
(Bottom View)

Dimension D	Model No.
Ø2	HEC0470-01-630
Ø2.35	HEC0470-01-640

HEC2305

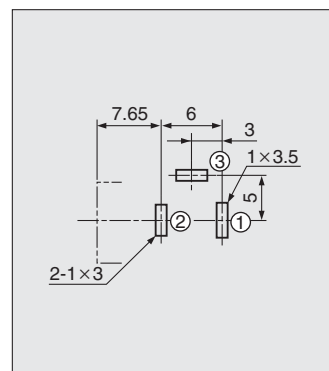
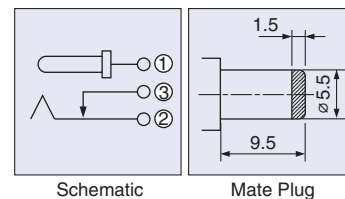
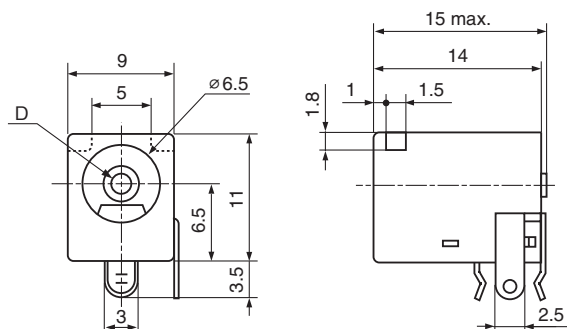
Model A, Horizontal Type



HEC2305-016250

h=6.5

Rating: 3A 16V DC



Hole Layout
(Bottom View)

Dimension D	Model No.
Ø 2	HEC2305-016250
Ø 2.35	HEC2305-016260

HEC2392

Model A, Horizontal Type

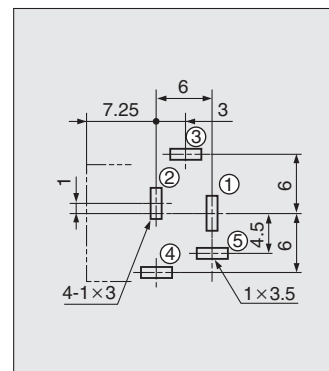
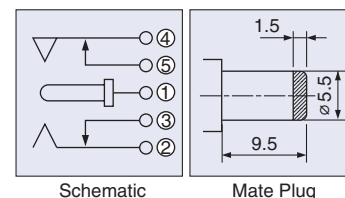
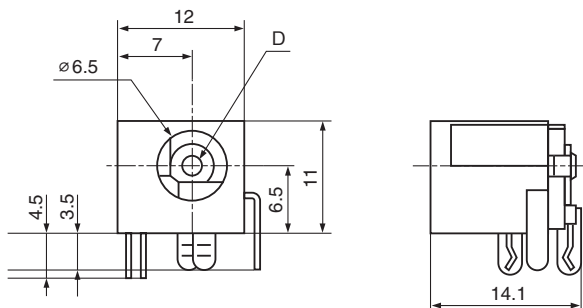


h=6.5

Rating: 2A 12V DC

1.6A 12V DC

(Terminal ②-③
④-⑤)



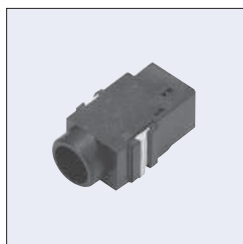
Hole Layout
(Bottom View)

Dimension D	Model No.
Ø 2	HEC2392-0101509

※Hand Soldering Only

HEC2707

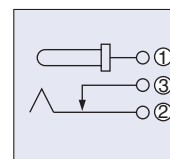
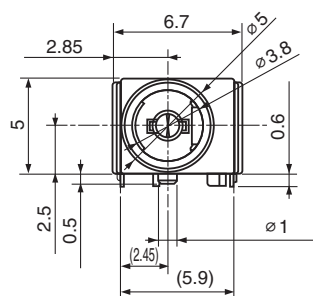
Model E, Horizontal Type



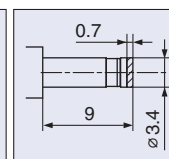
h=2.5

Rating: 0.5A 12V DC

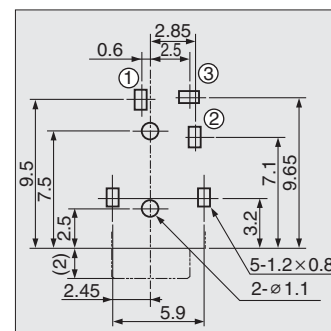
With terminal
for reinforcement



Schematic



Mate Plug

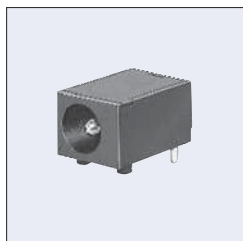


Hole Layout
(Bottom View)

Housing Color	Model No.
Black	HEC2707-012010

HEC2711

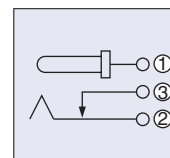
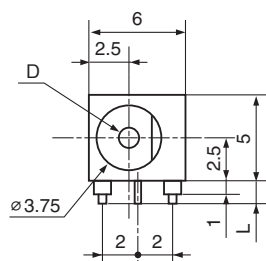
Model E, Horizontal Type



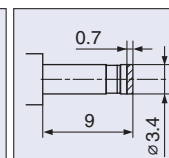
HEC2711-01-020

h=2.5

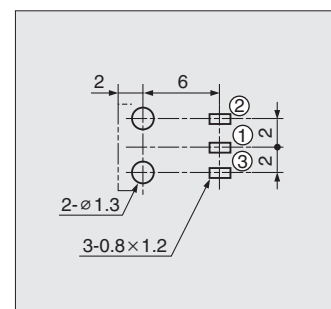
Rating: 0.5A 12V DC



Schematic



Mate Plug

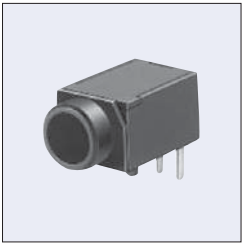


Hole Layout
(Bottom View)

Dimension		Model No.
D	L	
1.3	1.5	HEC2711-01-020
	3	HEC2711-01-620

HEC2712

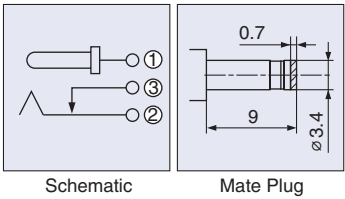
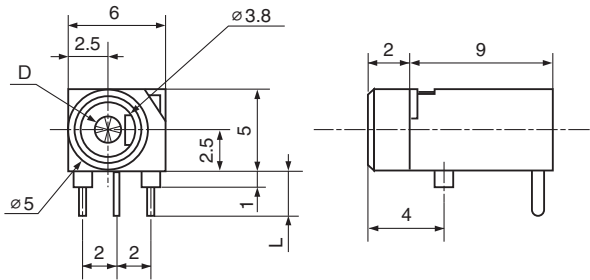
Model E, Horizontal Type



HEC2712-01-620

h=2.5

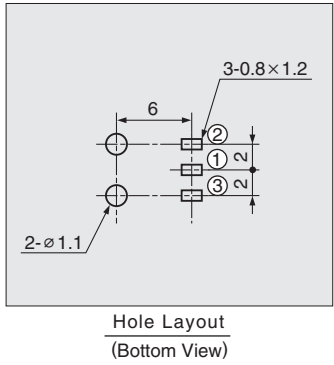
Rating: 0.5A 12V DC



Schematic

Mate Plug

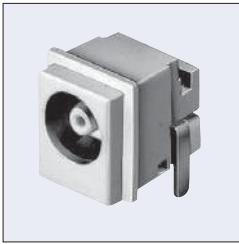
Dimension		Model No.
D	L	
ø 1.3	1.5	HEC2712-010120
	3	HEC2712-01-620



Hole Layout
(Bottom View)

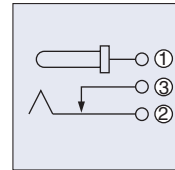
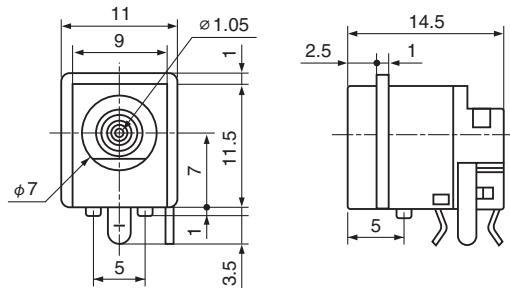
HEC7000

Horizontal Type

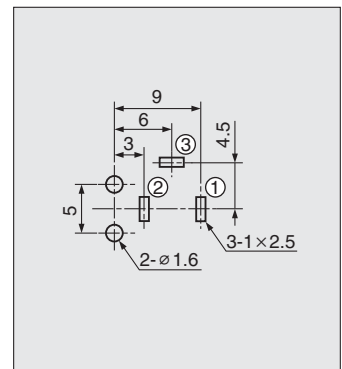


h=7
DC 12 / 24 V

for Power Supply to Electronic
Equipment Used in a Car



Schematic

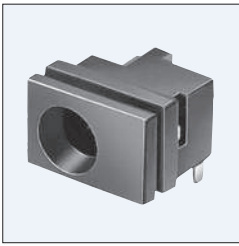


Hole Layout
(Bottom View)

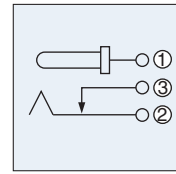
Housing Color	Model No.
Black	HEC7000-010010
Yellow	HEC7000-010020

HEC8110

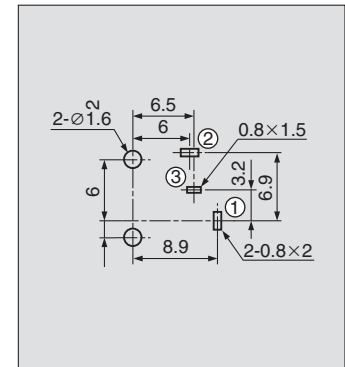
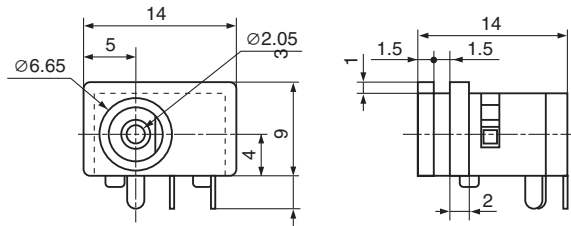
Voltage Classification 3 ($6.3 < V \leq 10.5$) ,Horizontal Type



h=4



Schematic



Hole Layout
(Bottom View)

Housing Color	Model No.
Black	HEC8110-010010

■ Model No. Table

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HEC2305	14	HEC3140	9	HEC3616	5	HEC3900	11
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						TCS7382	13



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