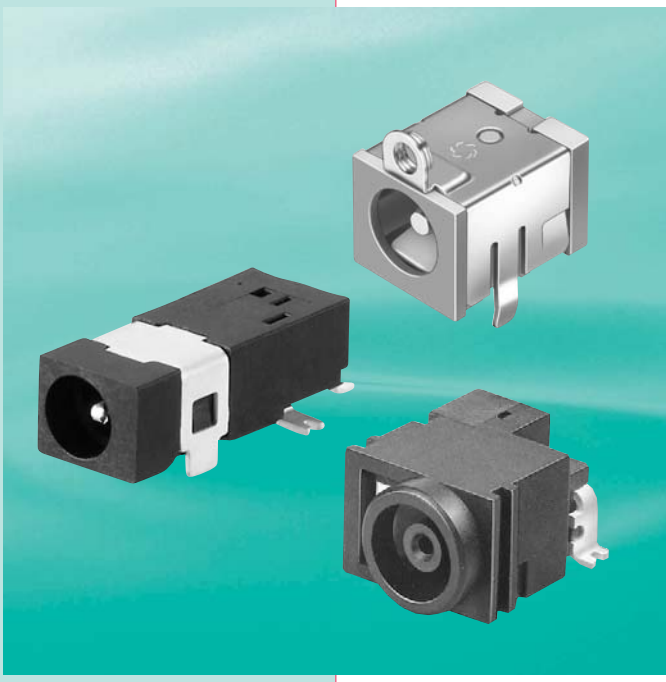
HOSIDEN

EC06

ELECTRONIC COMPONENTS

DC Power Jacks



ホシデン株式会社

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Unit: mm

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for Automotive Equipment Use

DC Power Jacks (EIAJ RC-5322 Standard)

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for DC-Out

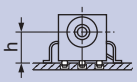
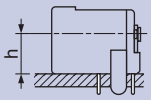
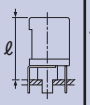
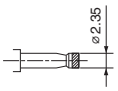
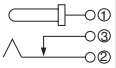
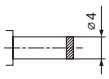
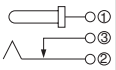
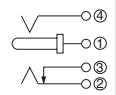
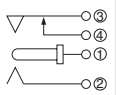
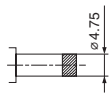
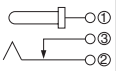
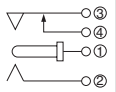
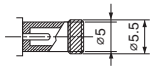
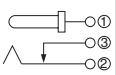
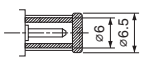
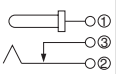
DC-Out Power Jacks (EIAJ RC-5321 Standard)

DC-Out Power Jacks ····· 18

Specifications

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

DC Power Jacks Product Lineup (EIAJ RC-5320A Standard)

Voltage Classification	Mate Plug (mm)	Schematic	Rated Voltage DC. Nominal Value	Rated Voltage (V)	Rated Current (A)	Model No.			
						SMT	PCB		
						Horizontal Type 	Horizontal Type 	Vertical Type 	for Lead Wire Terminals
1			V≦3.15	3.15	2	(h=1.75mm) **HEC3450** (h=3mm) **HEC3350** (h=1.8mm) **HEC3357**	(h=2.2mm) **HEC4306** (h=3mm) **HEC3301** (h=3mm) **HEC3300**	—	—
2			3.15＜V≦6.3	6.3	2	(h=2.6mm) **HEC3654** (h=3.8mm) **HEC3650**	(h=2.2mm) **HEC3604** (h=6.5mm) **HEC3610** (h=3mm) **HEC3600**	—	**HEC4670**
						—	(h=2.6mm) **HEC3616**	—	—
						—	(h=3mm) **HEC3690** (h=6.5mm) **HEC3680**	—	—
3			6.3＜V≦10.5	10.5	2	(h=3mm) **HEC3150**	(h=3mm) **HEC3110** (h=6.5mm) **HEC3100**	(ℓ=14mm) **HEC3130**	—
						—	(h=3mm) **HEC4100**	(ℓ=14mm) **HEC3140**	—
4			10.5＜V≦13.5	13.5	2	(h=4mm) **HEC3850**	(h=4mm) **HEC4801** (h=6.5mm) **HEC3800**	(ℓ=14mm) **HEC3830**	—
5			13.5＜V≦18.0	18.0	2	—	(h=7mm) **HEC3900**	(ℓ=14mm) **HEC3930**	—

DC Power Jacks (EIAJ RC-5320A Standard)

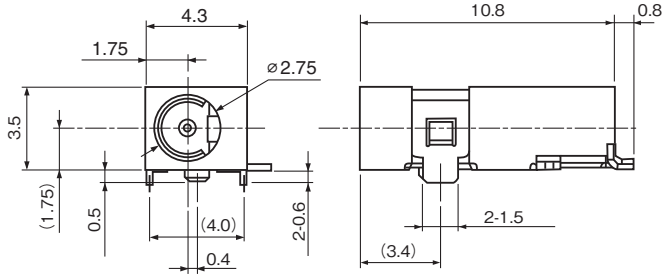
Unit: mm

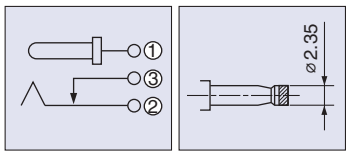
HEC3450

Voltage Classification 1　Horizontal Type

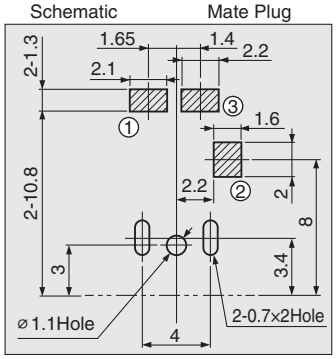


h=1.75
SMT
With terminal
for reinforcement





Schematic　Mate Plug



Hole Layout
(Bottom View)

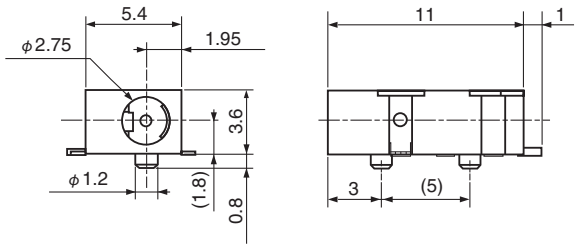
Housing Color	Model No.
Black	HEC3450-012010

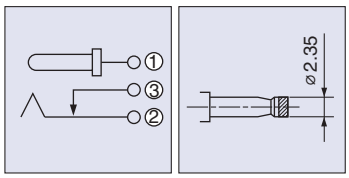
HEC3357

Voltage Classification 1　Horizontal Type

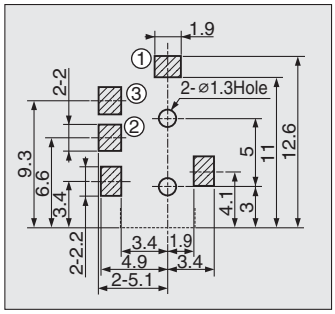


h=1.8
SMT





Schematic　Mate Plug

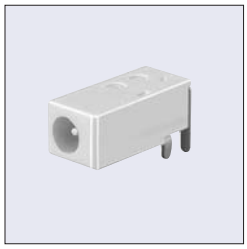


Hole Layout
(Bottom View)

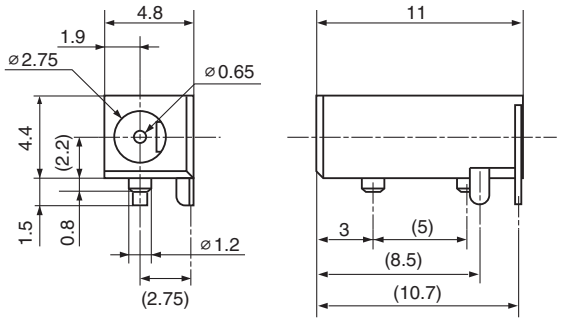
Housing Color	Model No.
Black	HEC3357-012010
Yellow	HEC3357-012020

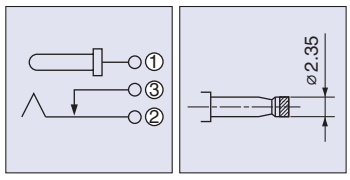
HEC4306

Voltage Classification 1　Horizontal Type

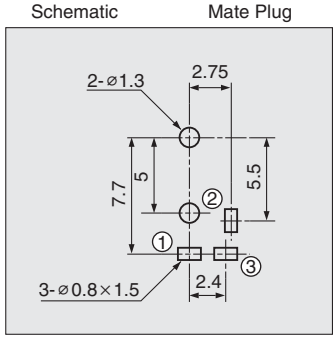


h=2.2





Schematic　Mate Plug



Hole Layout
(Bottom View)

Housing Color	Model No.
Black	HEC4306-010010
Yellow	HEC4306-010020

※Hand Soldering Only

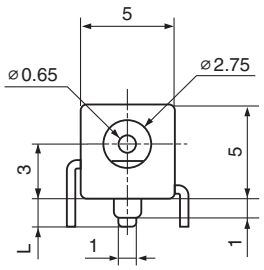
DC Power Jacks (EIAJ RC-5320A Standard)

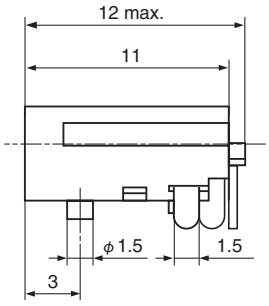
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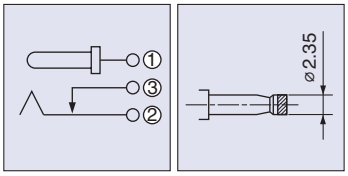
HEC3300 Voltage Classification 1 Horizontal Type



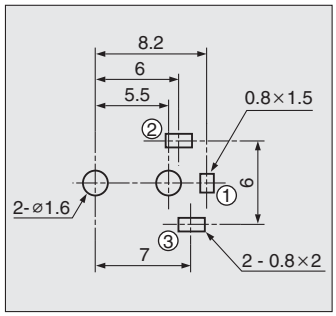
h=3







Schematic Mate Plug



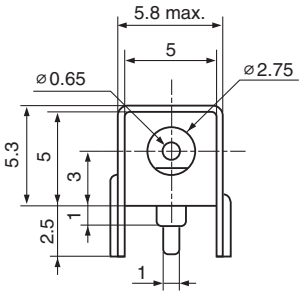
Hole Layout
(Bottom View)

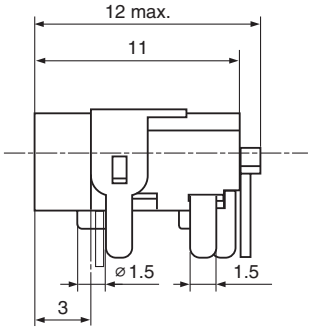
Dimension L / Housing Color	L=1.6	L=2.5
Black	HEC3300-01-010	HEC3300-010110
Yellow	HEC3300-01-020	HEC3300-010120

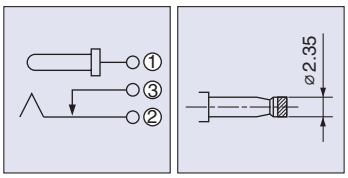
HEC3301 Voltage Classification 1 Horizontal Type



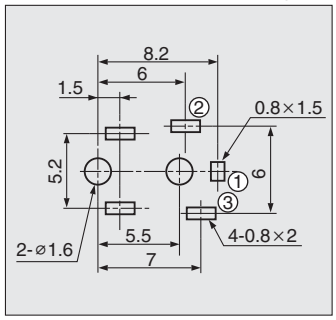
h=3







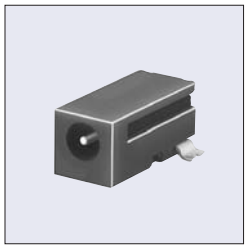
Schematic Mate Plug



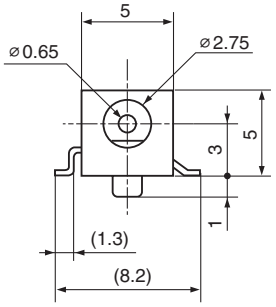
Hole Layout
(Bottom View)

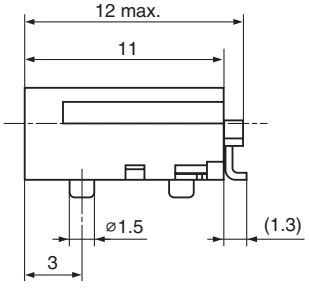
Housing Color	Model No.
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Yellow	HEC3301-017120

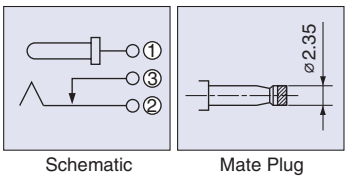
HEC3350 Voltage Classification 1 Horizontal Type



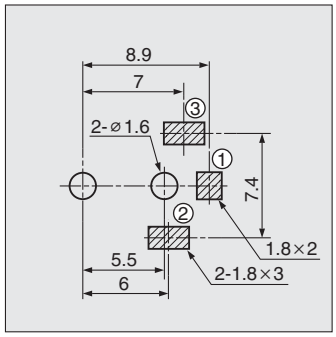
h=3
SMT







Schematic Mate Plug



Hole Layout
(Bottom View)

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

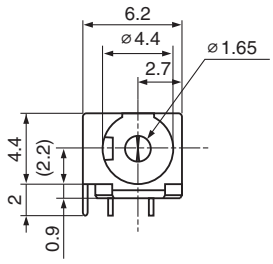
DC Power Jacks (EIAJ RC-5320A Standard)

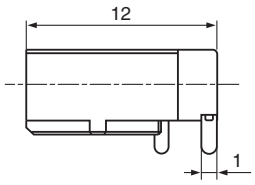
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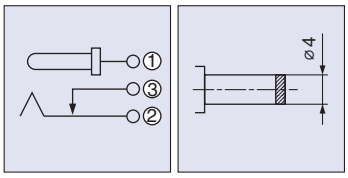
HEC3604 Voltage Classification 2 Horizontal Type



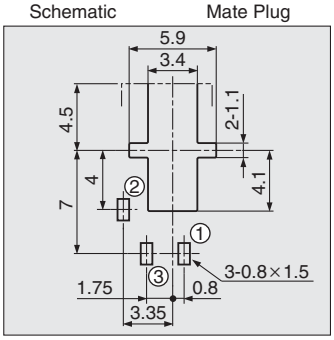
h=2.2







Schematic Mate Plug



Hole Layout
(Bottom View)

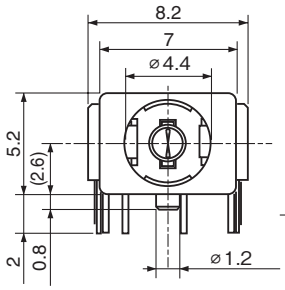
Housing Color	Model No.
Black	HEC3604-010110
Yellow	HEC3604-010120

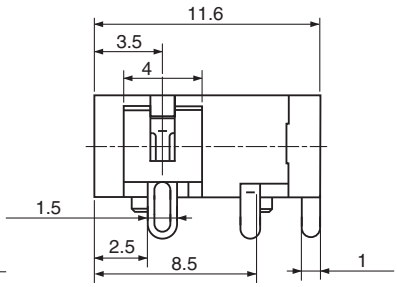
※Hand Soldering Only

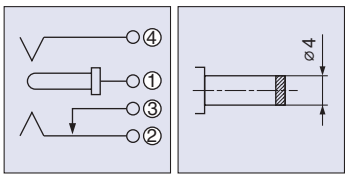
HEC3616 Voltage Classification 2 Horizontal Type



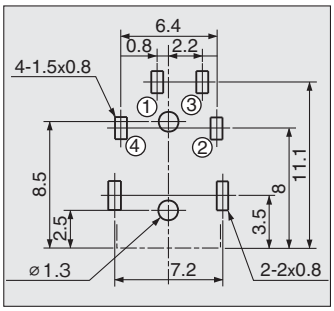
h=2.6







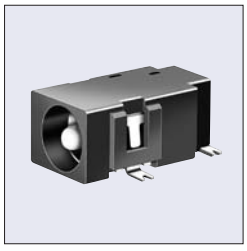
Schematic Mate Plug



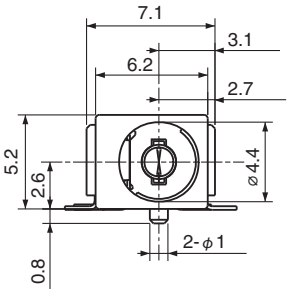
Hole Layout
(Bottom View)

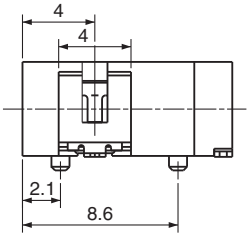
Housing Color	Model No.
Black	HEC3616-010010

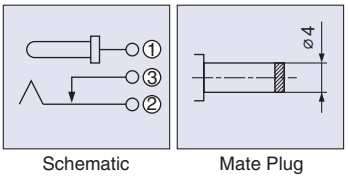
HEC3654 Voltage Classification 2 Horizontal Type



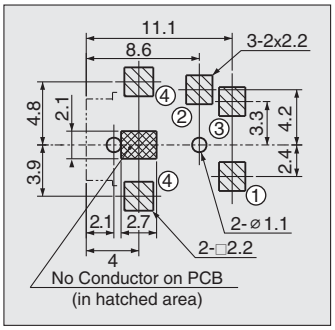
h=2.6
SMT







Schematic Mate Plug



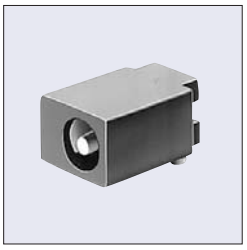
Hole Layout
(Bottom View)

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

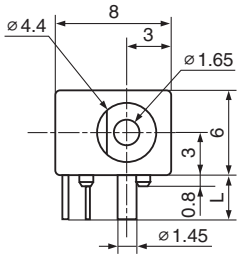
DC Power Jacks (EIAJ RC-5320A Standard)

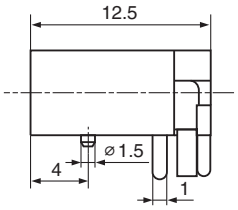
Unit: mm

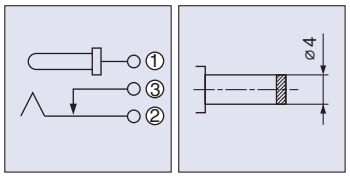
HEC3600 Voltage Classification 2 Horizontal Type



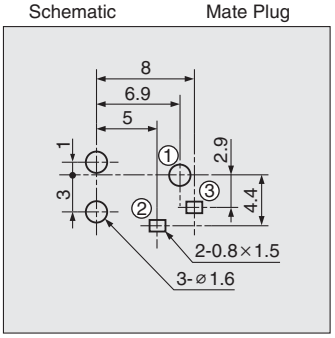
h=3







Schematic Mate Plug



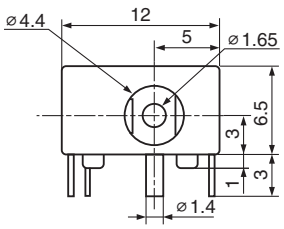
Hole Layout
(Bottom View)

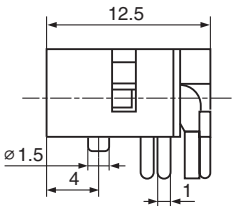
Dimension L / Housing Color	L=1.5	L=2.5	L=3
Black	HEC3600-016010	HEC3600-010510	HEC3600-016110
Yellow	HEC3600-016020	HEC3600-010520	HEC3600-016120

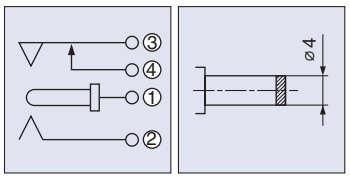
HEC3690 Voltage Classification 2 Horizontal Type



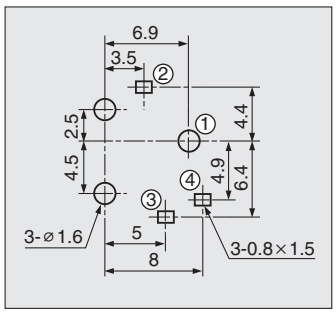
h=3







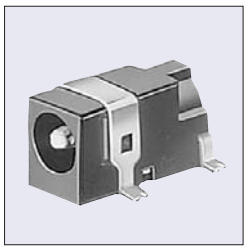
Schematic Mate Plug



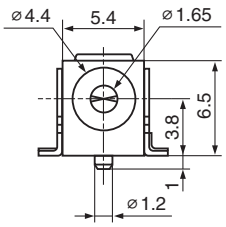
Hole Layout
(Bottom View)

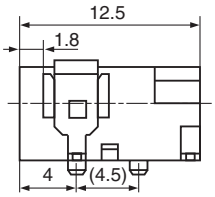
Housing Color	Model No.
Black	HEC3690-015210
Yellow	HEC3690-015220

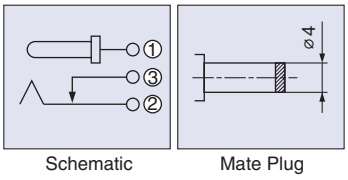
HEC3650 Voltage Classification 2 Horizontal Type



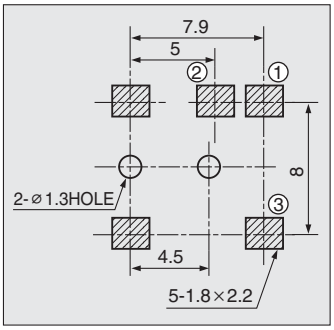
h=3.8
SMT







Schematic Mate Plug



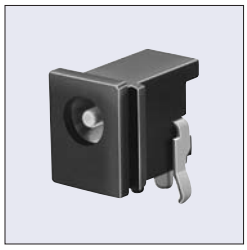
Hole Layout
(Bottom View)

Dimension L / Housing Color	Bulk (Hand Soldering Only)	Taping (Reflow Soldering)
Black	HEC3650-017010	HEC3650-018010
Yellow	HEC3650-017020	HEC3650-018020

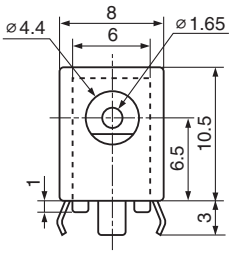
Unit: mm

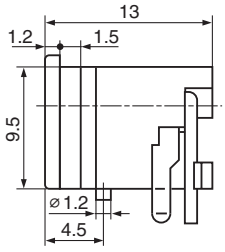
HEC3610

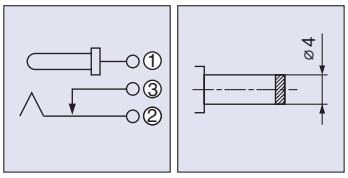
Voltage Classification 2　Horizontal Type



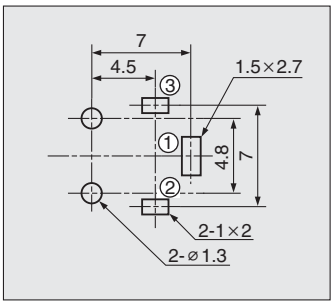
h=6.5







Schematic　Mate Plug

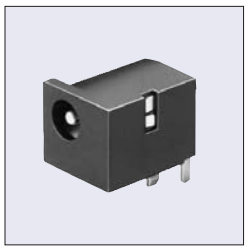


Hole Layout
(Bottom View)

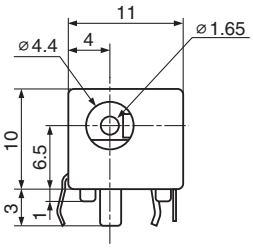
Housing Color	Model No.
Black	HEC3610-010010
Yellow	HEC3610-010020

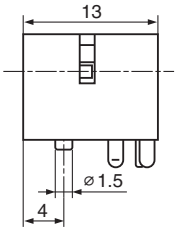
HEC3680

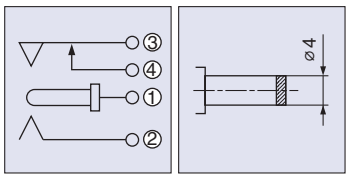
Voltage Classification 2　Horizontal Type



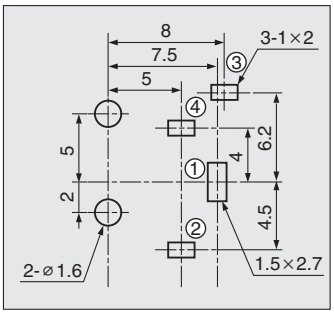
h=6.5







Schematic　Mate Plug



Hole Layout
(Bottom View)

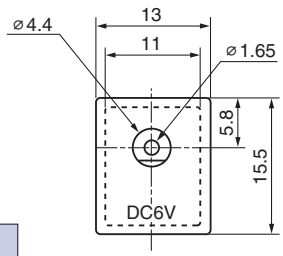
Housing Color	Model No.
Black	HEC3680-010010
Yellow	HEC3680-010020

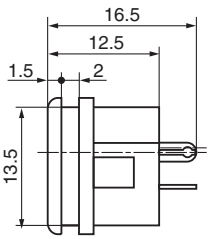
HEC4670

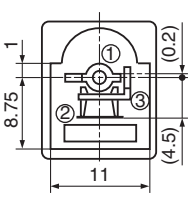
Voltage Classification 2

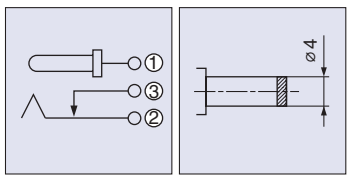


Lead Wire Terminal









Schematic　Mate Plug

Housing Color	Model No.
Black	HEC4670-010210

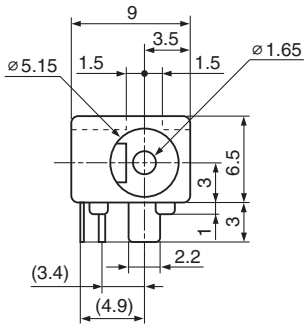
DC Power Jacks (EIAJ RC-5320A Standard)

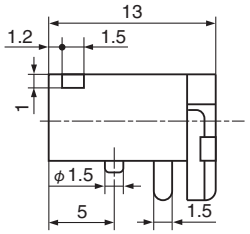
Unit: mm

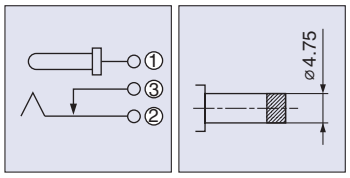
HEC3110 Voltage Classification 3 Horizontal Type



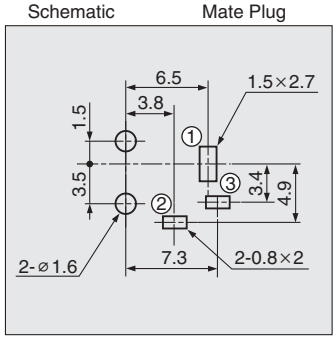
h=3







Schematic Mate Plug



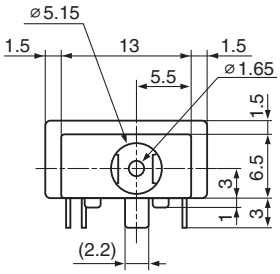
Hole Layout
(Bottom View)

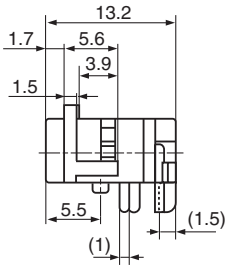
Housing Color	Model No.
Black	HEC3110-01-010
Yellow	HEC3110-01-020

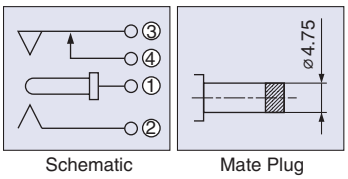
HEC4100 Voltage Classification 3 Horizontal Type



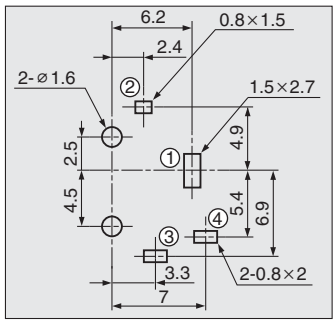
h=3







Schematic Mate Plug

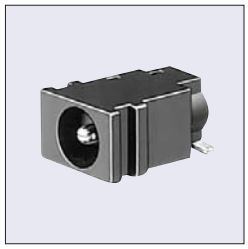


Hole Layout
(Bottom View)

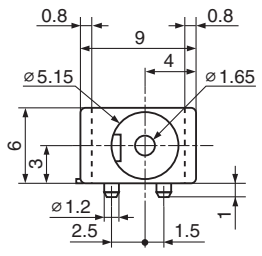
Housing Color	Model No.
Black	HEC4100-01-010
Yellow	HEC4100-01-020

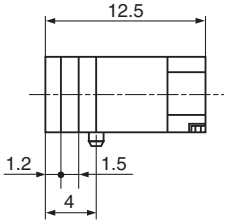
※Hand Soldering Only

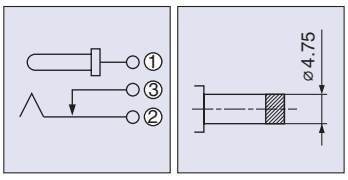
HEC3150 Voltage Classification 3 Horizontal Type



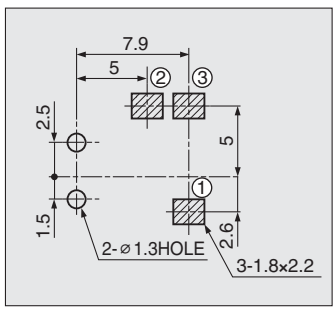
h=3
SMT







Schematic Mate Plug



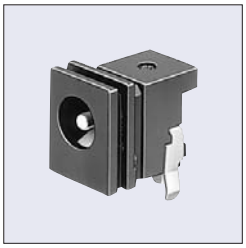
Hole Layout
(Bottom View)

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

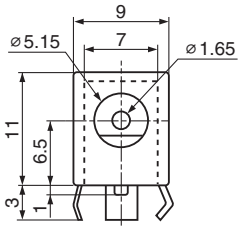
Unit: mm

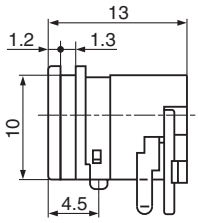
HEC3100

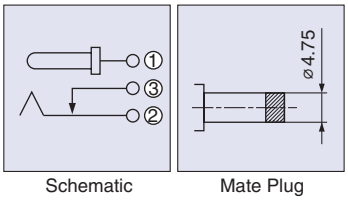
電圧区分 3　Voltage Classification 3　Horizontal Type



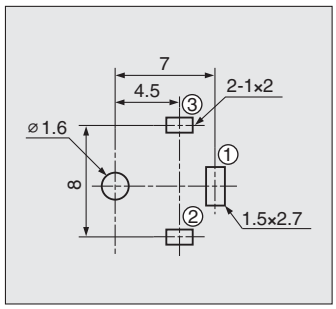
h=6.5







Schematic　Mate Plug

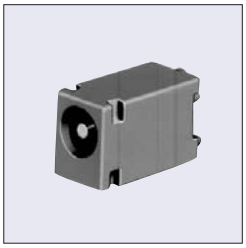


Hole Layout
(Bottom View)

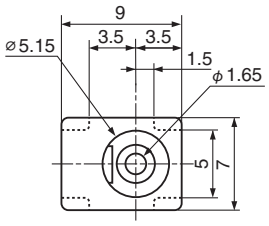
Housing Color	Model No.
Black	HEC3100-010010
Yellow	HEC3100-010020

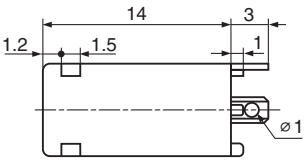
HEC3130

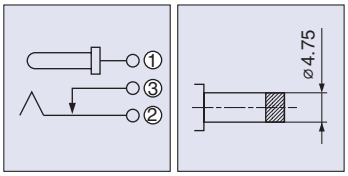
電圧区分 3　Voltage Classification 3　Vertical Type



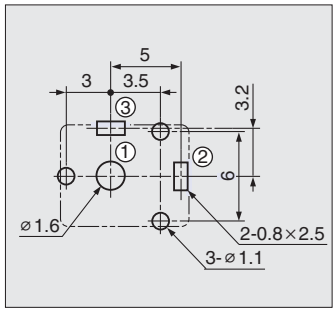
ℓ=14







Schematic　Mate Plug

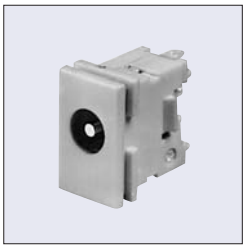


Hole Layout
(Bottom View)

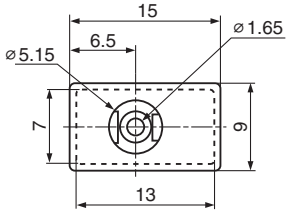
Housing Color	Model No.
Black	HEC3130-010010
Yellow	HEC3130-010020

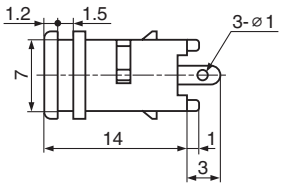
HEC3140

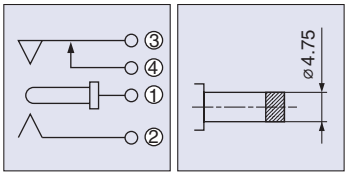
電圧区分 3　Voltage Classification 3　Vertical Type



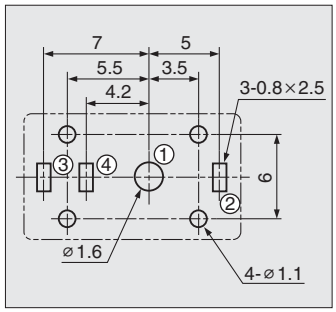
ℓ=14







Schematic　Mate Plug



Hole Layout
(Bottom View)

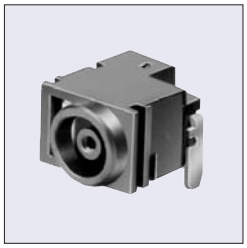
Housing Color	Model No.
Black	HEC3140-010010
Yellow	HEC3140-010020

DC Power Jacks (EIAJ RC-5320A Standard)

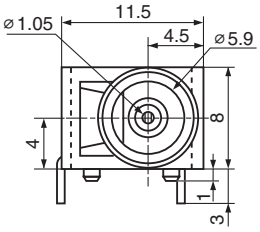
Unit: mm

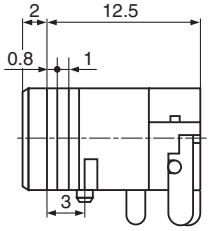
HEC4801

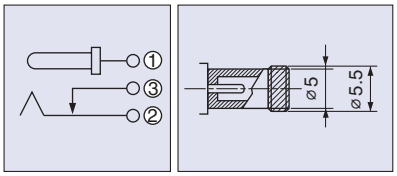
Voltage Classification 4 Horizontal Type



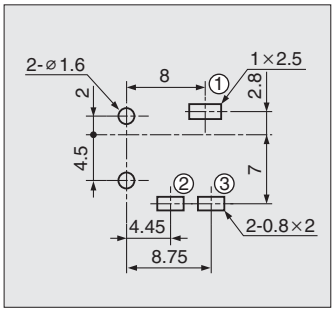
h=4







Schematic Mate Plug



Hole Layout
(Bottom View)

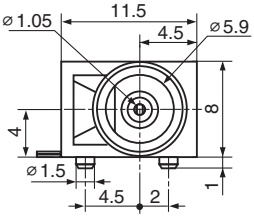
Housing Color	Model No.
Black	HEC4801-010110
Yellow	HEC4801-010120

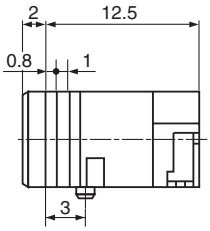
HEC3850

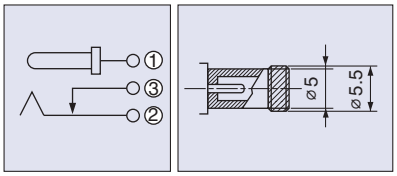
Voltage Classification 4 Horizontal Type



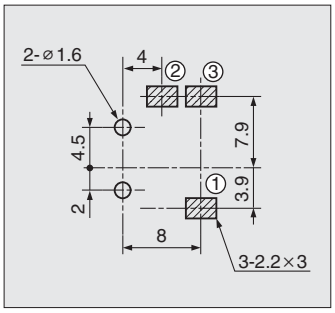
h=4
SMT







Schematic Mate Plug

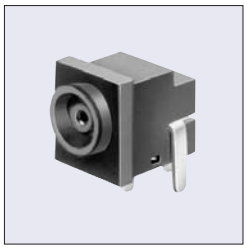


Hole Layout
(Bottom View)

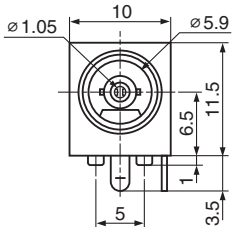
Packaging Style / Housing Color	Bulk (Hand Soldering Only)	Taping (Reflow Soldering)
Black	HEC3850-010010	HEC3850-012010
Yellow	HEC3850-010020	HEC3850-012020

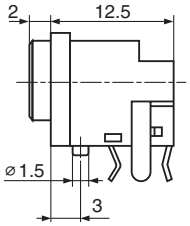
HEC3800

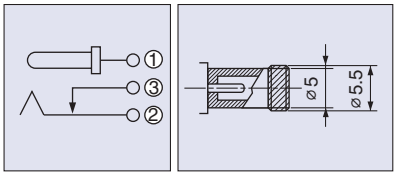
Voltage Classification 4 Horizontal Type



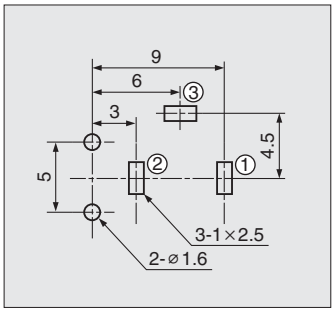
h=6.5







Schematic Mate Plug



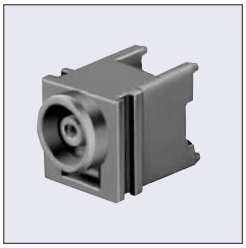
Hole Layout
(Bottom View)

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

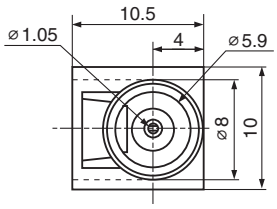
Unit: mm

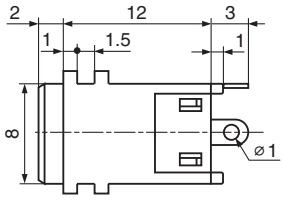
HEC3830

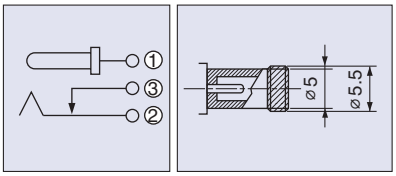
電圧区分 4　Voltage Classification 4　Vertical Type



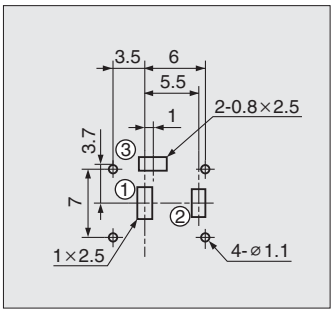
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Schematic　Mate Plug

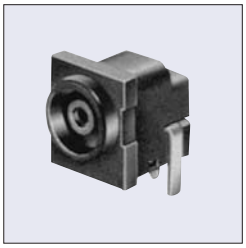


Hole Layout
(Bottom View)

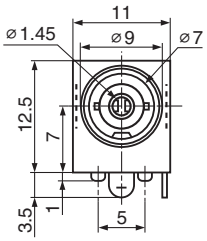
Housing Color	Model No.
Black	HEC3830-010010
Yellow	HEC3830-010020

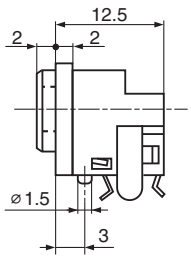
HEC3900

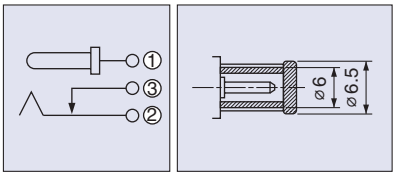
電圧区分 5　Voltage Classification 5　Horizontal Type



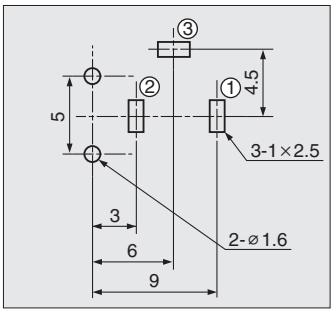
h=7







Schematic　Mate Plug

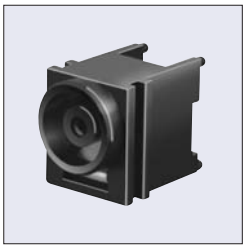


Hole Layout
(Bottom View)

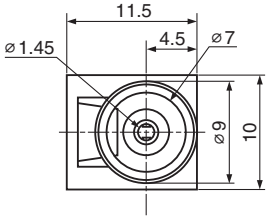
Housing Color	Model No.
Black	HEC3900-010110
Yellow	HEC3900-010120

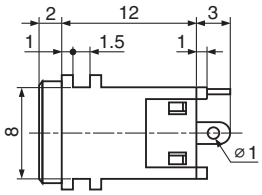
HEC3930

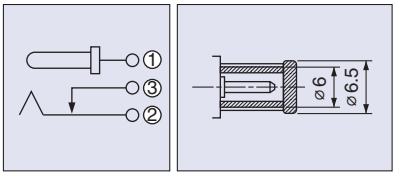
電圧区分 5　Voltage Classification 5　Vertical Type



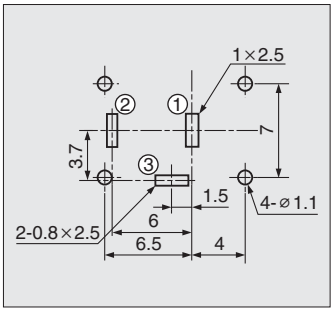
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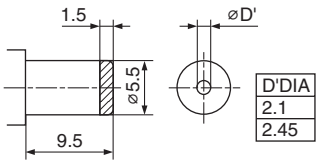
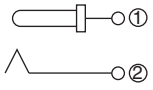
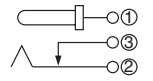
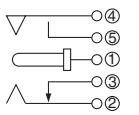
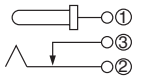
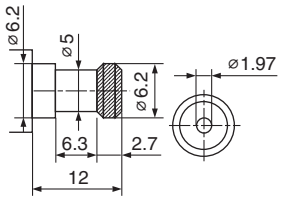
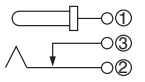
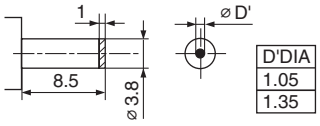
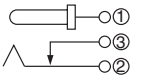
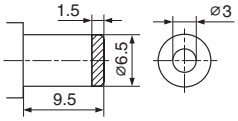
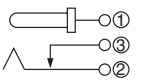
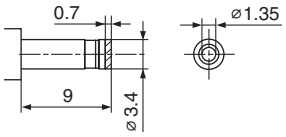
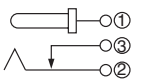
Schematic　Mate Plug



Hole Layout
(Bottom View)

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

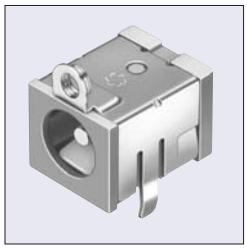
DC Power Jacks Product Lineup

Model	Mate Plug (mm)	Schematic	Pin DIA (mm)	Model No. / PCB / Horizontal Type
Model A			2	(3A 16V DC h=5mm) **TCS7382-210177**
				(3A 16V DC h=6.5mm) **HEC0470-01-630** (3A 16V DC h=6.5mm) **HEC2305-016250**
				(1.6A 12V DC h=6.5mm) **HEC2392-0101509**
			2.35	(3A 16V DC h=6.5mm) **HEC0470-01-640** (3A 16V DC h=6.5mm) **HEC2305-016260**
Model B	 Complying to IEC Publication 130-10		1.87 (IEC)	—
Model C			1	(0.5A 12V DC h=4.7mm) **HEC1737-010010** (0.5A 12V DC h=4.7m) **HEC2781-010010** (0.5A 12V DC h=4.7mm) **HEC1737-010510** (0.5A 12V DC h=4.7mm) **HEC2781-010510**
			1.3	(0.5A 12V DC h=4.7mm) **HEC1737-010020** (0.5A 12V DC h=4.7mm) **HEC2781-010020** (0.5A 12V DC h=4.7mm) **HEC1737-010520** (0.5A 12V DC h=4.7mm) **HEC2781-010520**
Model D			2.95	—
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**

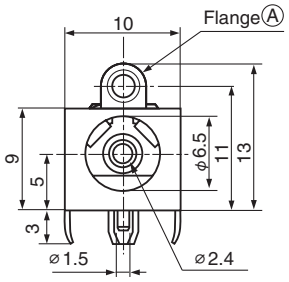
DC Power Jacks

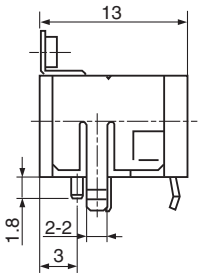
Unit: mm

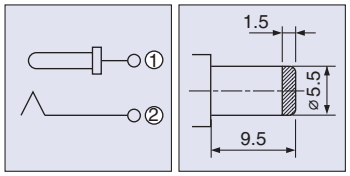
TCS7382-210177 Model A Horizontal Type



h=5
Rating: 3A 16V DC

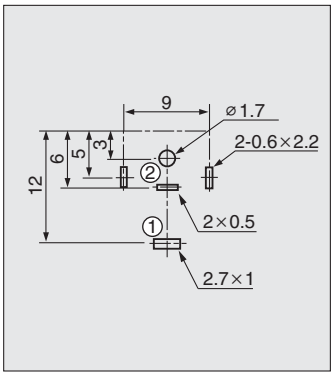






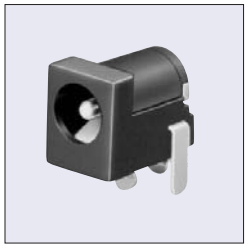
Schematic Mate Plug

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

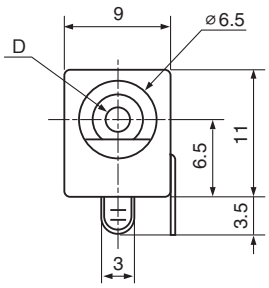


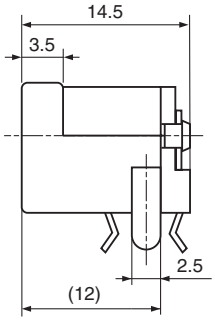
Hole Layout
(Bottom View)

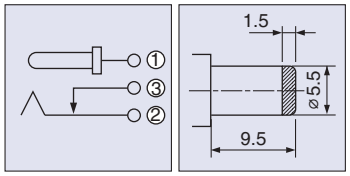
HEC0470-01-630 Model A Horizontal Type



h=6.5
Rating: 3A 16V DC

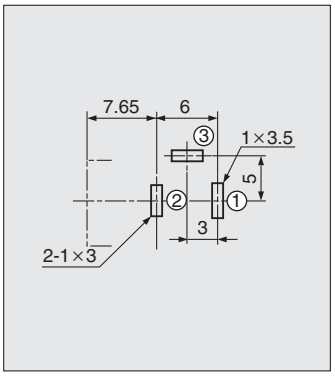






Schematic Mate Plug

Dimension D	Model No.
⌀2	HEC0470-01-630
⌀2.35	HEC0470-01-640



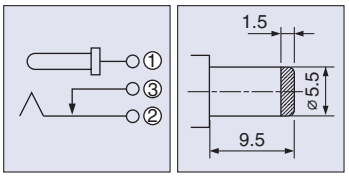
Hole Layout
(Bottom View)

Unit: mm

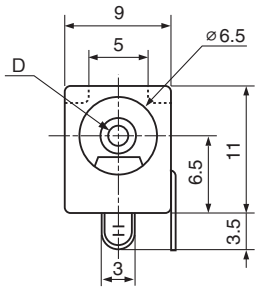
HEC2305-016250 Model A Horizontal Type

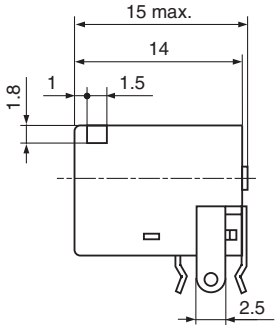


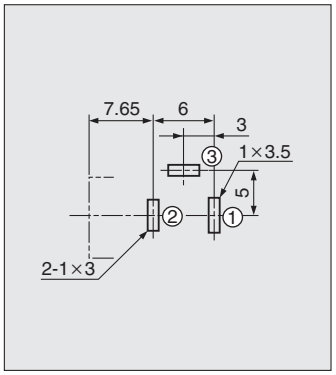
h=6.5
Rating: 3A 16V DC



Schematic Mate Plug



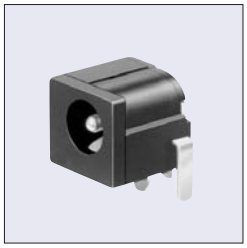




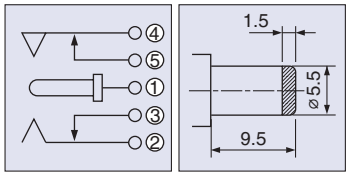
Hole Layout
(Bottom View)

Dimension D	Model No.
ø2	HEC2305-016250
ø2.35	HEC2305-016260

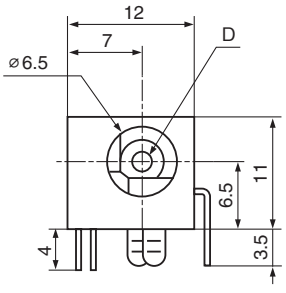
HEC2392 Model A Horizontal Type

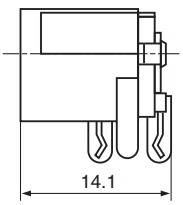


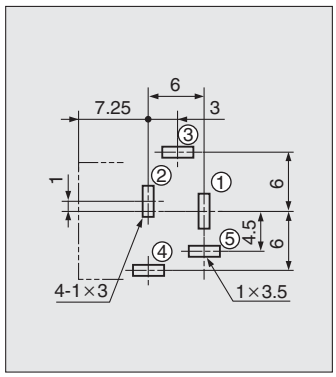
h=6.5
Rating: 2A 12V DC
1.6A 12V DC
(Terminal ②−③ ④−⑤)



Schematic Mate Plug







Hole Layout
(Bottom View)

Dimension D	Model No.
ø2	HEC2392-0101509

※Hand Soldering Only

Unit: mm

HEC1737-010010 Model C Horizontal Type



h=4.7
Rating: 0.5A 12V DC

Fig-1

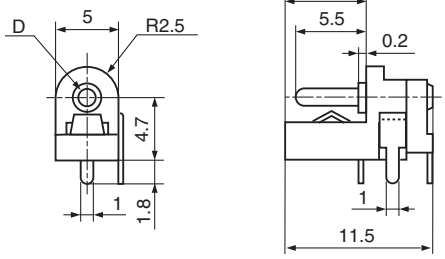
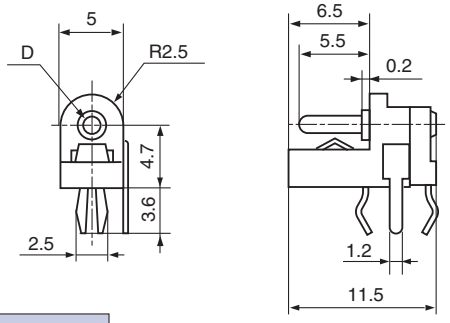
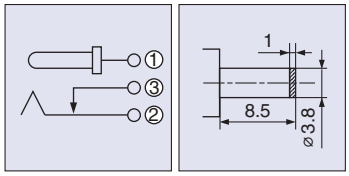


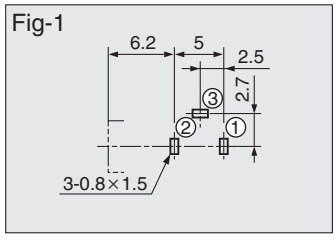
Fig-2





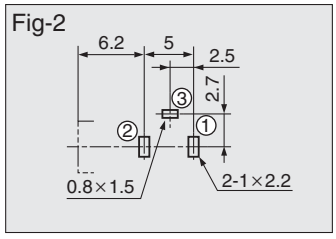
Schematic Mate Plug

Fig-1



Hole Layout
(Bottom View)

Fig-2



Hole Layout
(Bottom View)

Dimension D	Fig-1	Fig-2
ø1	HEC1737-010010	HEC1737-010510
ø1.3	HEC1737-010020	HEC1737-010520

HEC2781-010010 Model C Horizontal Type



h=4.7
Rating: 0.5A 12V DC

Fig-1

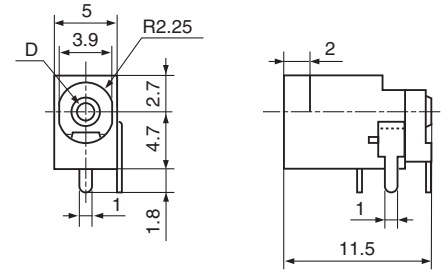
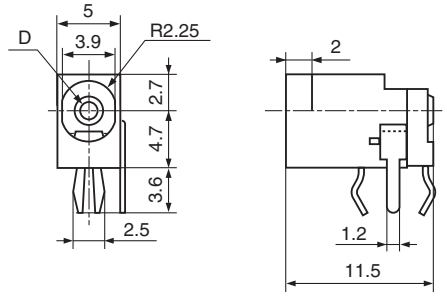
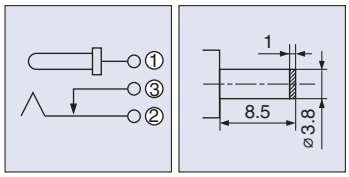


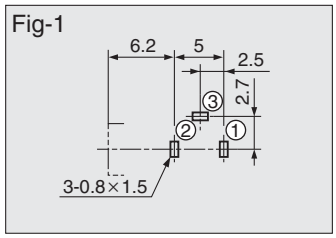
Fig-2





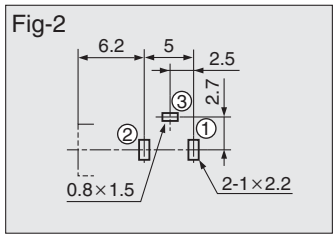
Schematic Mate Plug

Fig-1



Hole Layout
(Bottom View)

Fig-2



Hole Layout
(Bottom View)

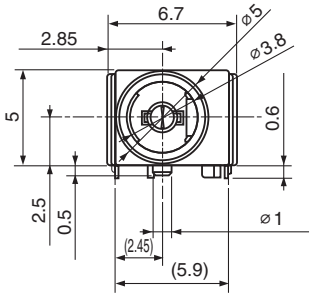
Dimension D	Fig-1	Fig-2
ø1	HEC2781-010010	HEC2781-010510
ø1.3	HEC2781-010020	HEC2781-010520

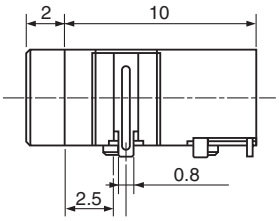
Unit: mm

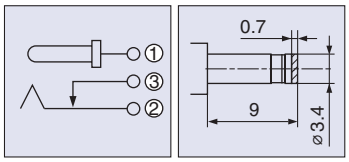
HEC2707 Model E Horizontal Type



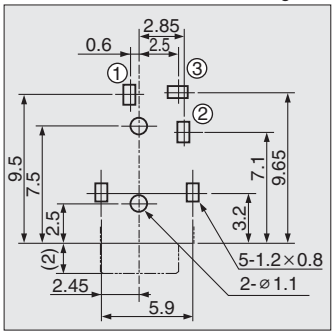
h=2.5
Rating: 0.5A 12V DC
With terminal
for reinforcement







Schematic Mate Plug



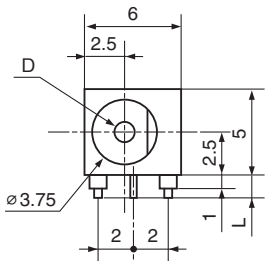
Hole Layout
(Bottom View)

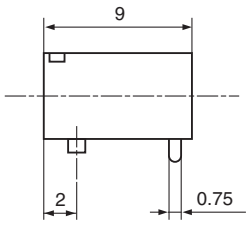
Housing Color	Model No.
Black	HEC2707-012010

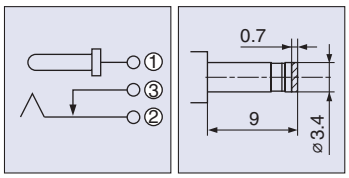
HEC2711-01-020 Model E Horizontal Type



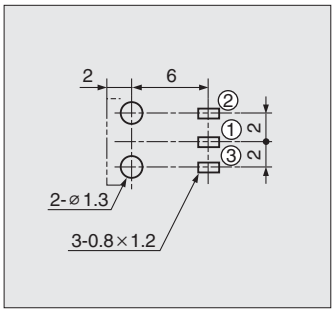
h=2.5
Rating: 0.5A 12V DC







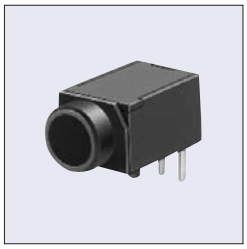
Schematic Mate Plug



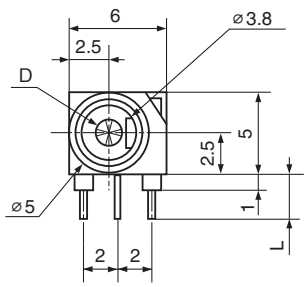
Hole Layout
(Bottom View)

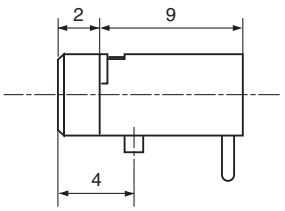
Dimension		Model No.
D	L	
ø1.3	1.5	HEC2711-01-020
	3	HEC2711-01-620

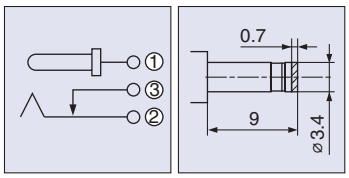
HEC2712-01-620 Model E Horizontal Type



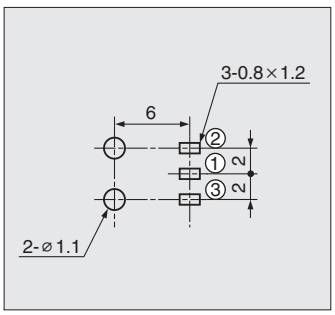
h=2.5
Rating: 0.5A 12V DC







Schematic Mate Plug



Hole Layout
(Bottom View)

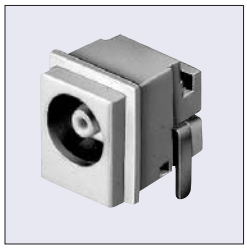
Dimension		Model No.
D	L	
ø1.3	1.5	HEC2712-010120
	3	HEC2712-01-620

DC Power Jacks for Automotive Equipment Use

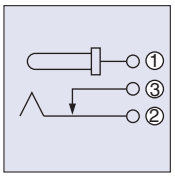
Unit: mm

HEC7000

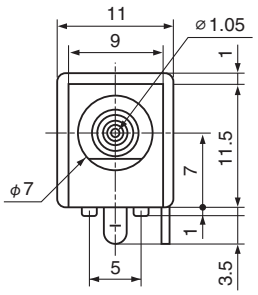
Horizontal Type

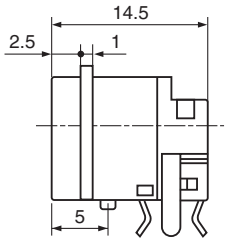


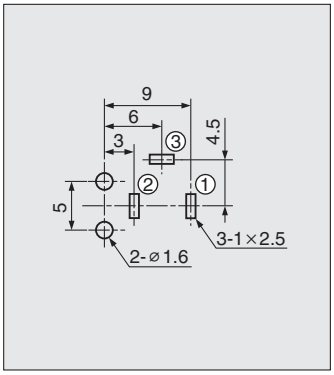
h=7
DC 12 ／ 24 V
for Power Supply to Electronic Equipment Used in a Car



Schematic







Hole Layout
(Bottom View)

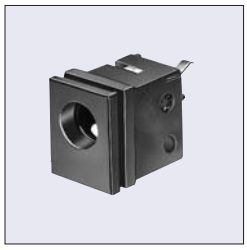
Housing Color	Model No.
Black	HEC7000-010010
Yellow	HEC7000-010020

DC-OUT Power Jacks (EIAJ RC-5321 Standard)

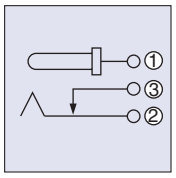
Unit: mm

HEC8630

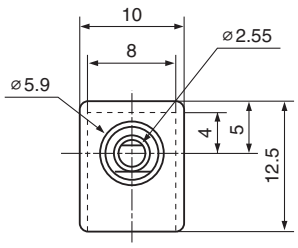
Voltage Classification 2 （3.15 ＜ V ≦ 6.3） Vertical Type

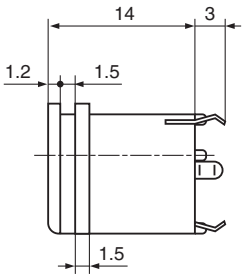


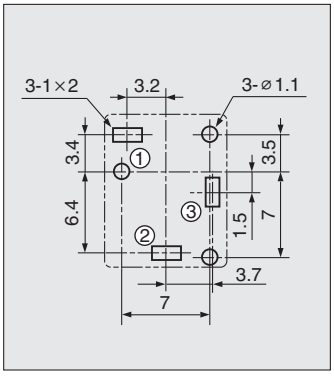
ℓ＝14



Schematic





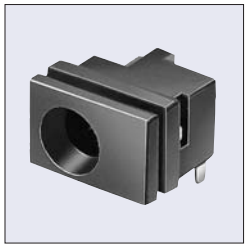


Hole Layout
(Bottom View)

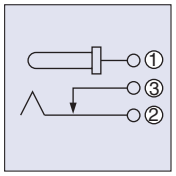
Housing Color	Model No.
Black	HEC8630-010010

HEC8110

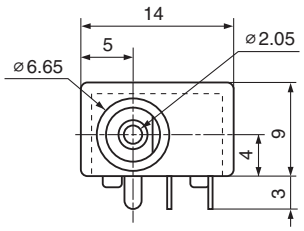
Voltage Classification 3 （6.3 ＜ V ≦ 10.5） Horizontal Type

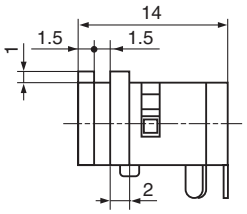


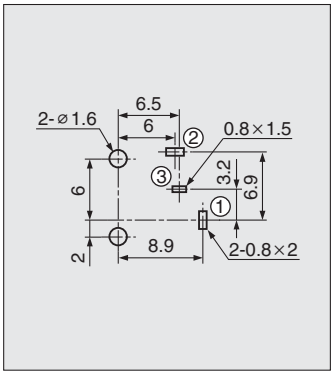
h＝4



Schematic







Hole Layout
(Bottom View)

Housing Color	Model No.
Black	HEC8110-010010

Model No. Table

Model No.	Page								
HEC0470	13	HEC3100	9	HEC3357	3	HEC3680	7	HEC4306	3
HEC1737	15	HEC3110	8	HEC3450	3	HEC3690	6	HEC4670	7
HEC2305	14	HEC3130	9	HEC3600	6	HEC3800	10	HEC4801	10
HEC2392	14	HEC3140	9	HEC3604	5	HEC3830	11	HEC7000	17
HEC2707	16	HEC3150	8	HEC3610	7	HEC3850	10	HEC8110	18
HEC2711	16	HEC3300	4	HEC3616	5	HEC3900	11	HEC8630	18
HEC2712	16	HEC3301	4	HEC3650	6	HEC3930	11	TCS7382	13
HEC2781	15	HEC3350	4	HEC3654	5	HEC4100	8		

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