System CJ Technical Specifications

Board Mount Telephone Modular Jacks

Electrical Data-
Current rating: 1.5 Amp
Dielectric Withstanding: 1000 VAC for one minute
Contact Resistance: < 20 mΩ
Insulation Resistance: > 500 MΩ
Operating Temperature: -40°C~+105°C

Construction-
Insulator: Glass Filled Polyester
Flammability Rating: UL94V-0
Contacts: Copper alloy
Shell: Copper alloy

Telephone Modular Plugs

Electrical Data-
Current rating: 1.5 Amp
Dielectric Withstanding Voltage: 1000 VAC rms
Contact Resistance: < 25 mΩ
Insulation Resistance: > 500 MΩ
Operating Temperature: -40°C~+60°C

Construction-
Insulator: Nature color, Polycarbonate
Flammability Rating: UL94V-0
Contacts: Copper alloy
Shell: Copper alloy

Mechanical Data-
Plug to cable tensile: 7.6 Kgf

Phone Jack

Electrical Data-
Current rating: 1 Amp
Dielectric Withstanding Voltage: 500 VAC rms
Contact Resistance: < 30 mΩ
Insulation Resistance: > 100 MΩ
Operating Temperature: -30°C~+80°C

Construction-
Insulator: High temperature plastic , Color Black
Flammability Rating: UL94V-0
Contacts: Copper alloy

Mechanical Data-
Plug to cable tensile: 7.6 Kgf

Ordering Code

❶	❷	❸	❹	❺	❻
CJ**	**	3	1	9	00

❶ Series No.

❷ Contacts:
42=4P2C, 44=4P4C
62=6P2C, 64=6P4C, 66=6P6C
88=8P8C, AA=10P10C

❸ Plating code:
2= Gold flash over Nickel

❹ No. of port
1= Single port, 2= 2 ports, 3= 3 ports .... ETC.

❺ Insulator Code: 1= Black, 9= Gray, B= Beige

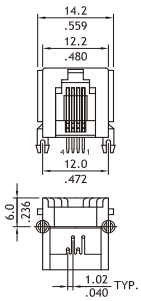
❻ Other options:
00= Standard
0K= With Key
SM= SMT Type
*other options consult manufacturer

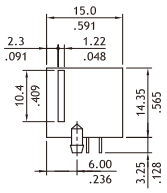
CJ04 Series Board Mount Telephone Jacks

◎ Available in 4 and 6 ways
◎ Insulator: Gray, Glass Filled polyester
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations PART 68, SUBPART F

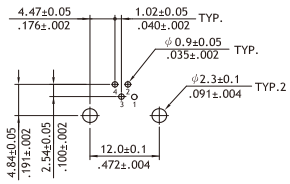
RoHS Compliant

P/N	CJ044**1900



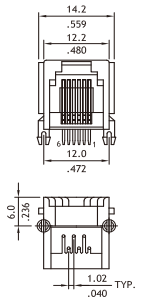


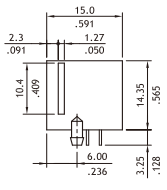
4 Positions



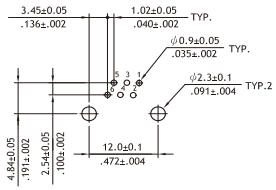
Recommended PCB Layout

P/N	CJ046**1900





6 Positions



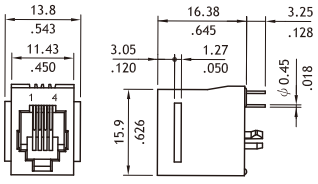
Recommended PCB Layout

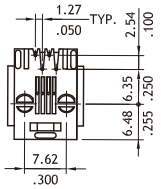
CJ07 Series Board Mount Telephone Jacks

◎ Available in 4, 6 and 8 ways
◎ Insulator: Black, Glass Filled polyester
◎ Cavity confirms to FCC rules and regulations PART 68, SUBPART F

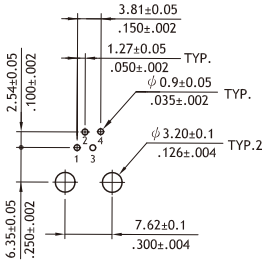
RoHS Compliant

P/N	CJ074**1100



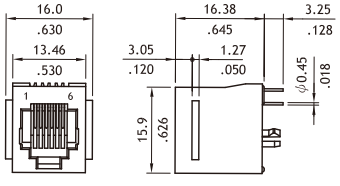


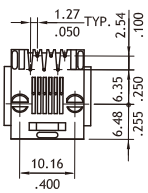
4 Positions



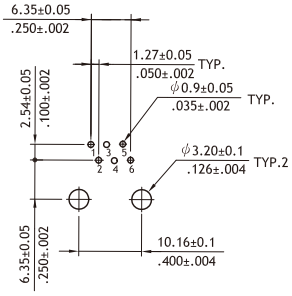
Recommended PCB Layout

P/N	CJ076**1100





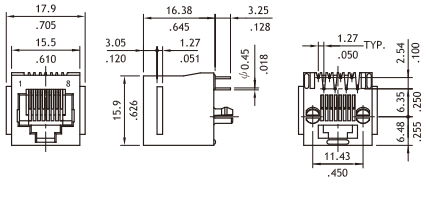
6 Positions



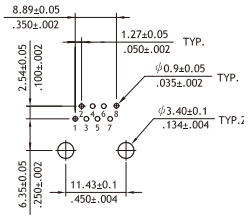
Recommended PCB Layout

CJ07 Series Board Mount Telephone Jacks

P/N	CJ0788*1100



8 Positions



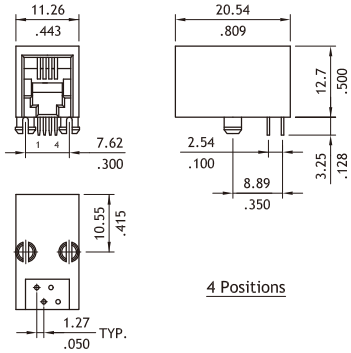
Recommended PCB Layout

CJ36 Series Board Mount Telephone Jacks

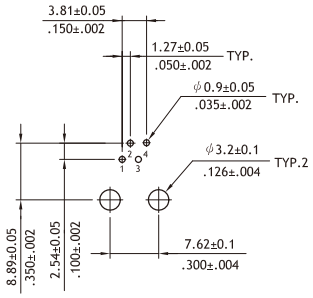
- ◎ Available in 4, 6 and 8 ways
- ◎ Insulator: Black, Glass Filled polyester
- ◎ Flammability Rating: UL 94V-0
- ◎ Cavity confirms to FCC rules and regulations

RoHS Compliant

P/N	CJ364**1100

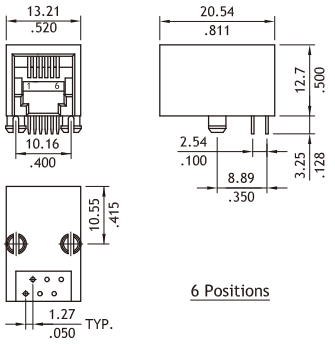


4 Positions

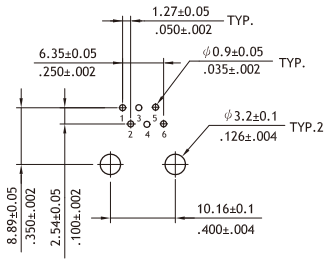


Recommended PCB Layout

P/N	CJ366**1100

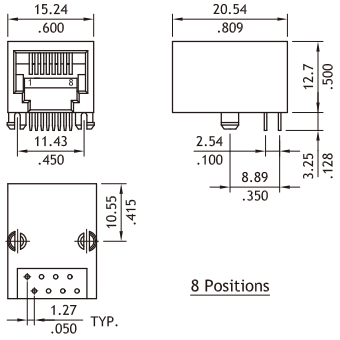


6 Positions

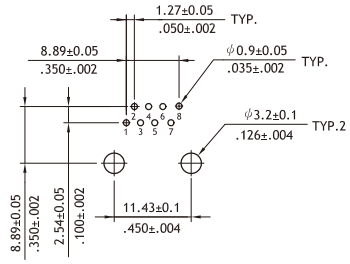


Recommended PCB Layout

P/N	CJ3688*1100



8 Positions



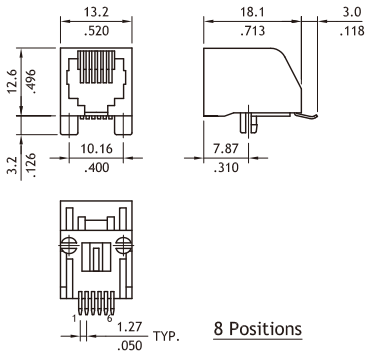
Recommended PCB Layout

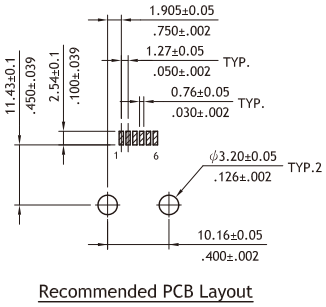
CJ31 Series Board Mount Telephone Jacks

◎ Available in 6, 8 and 10 ways
◎ Insulator: Black, Glass Filled polyester
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations
◎ PART 68, SUBPART F

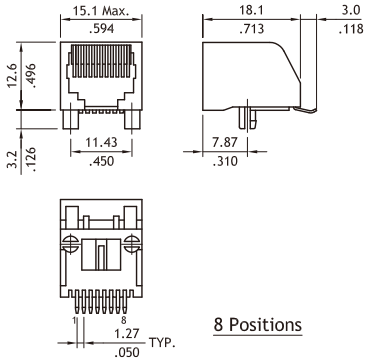
RoHS Compliant

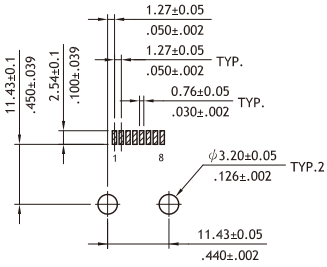
P/N	CJ316**11SM



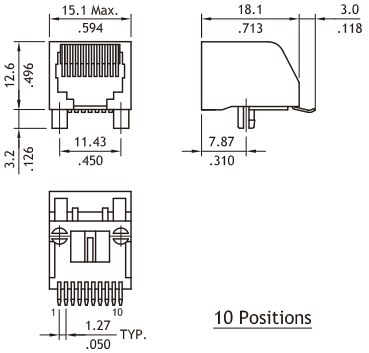


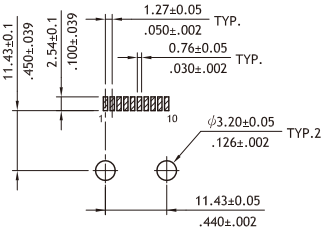
P/N	CJ318**11SM



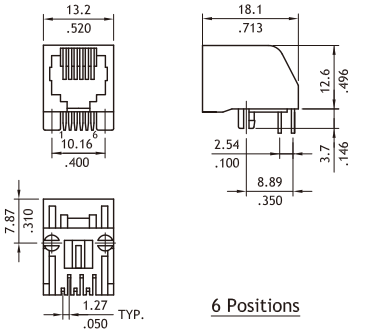


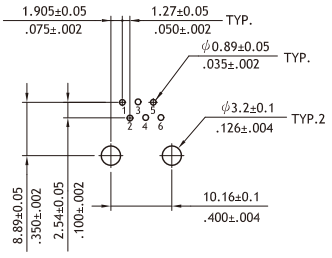
P/N	CJ31AA*11SM





P/N	CJ316**1100

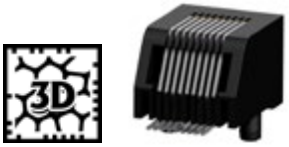




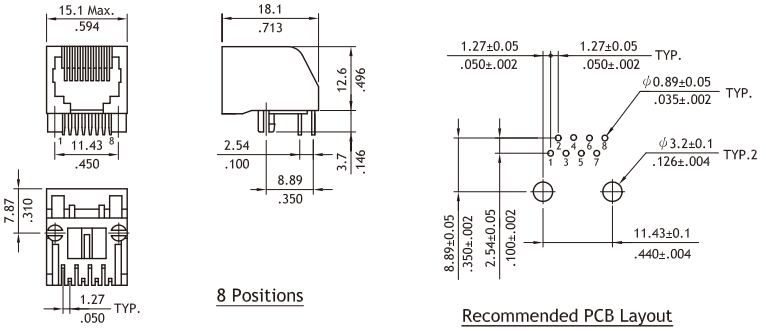
CJ31 Series Board Mount Telephone Jacks

◎ Available in 6, 8 and 10 ways
◎ Insulator: Black, Glass Filled polyester
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations
◎ PART 68, SUBPART F

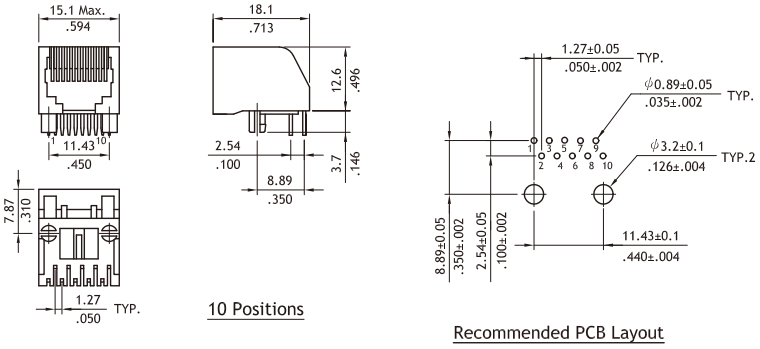
RoHS Compliant

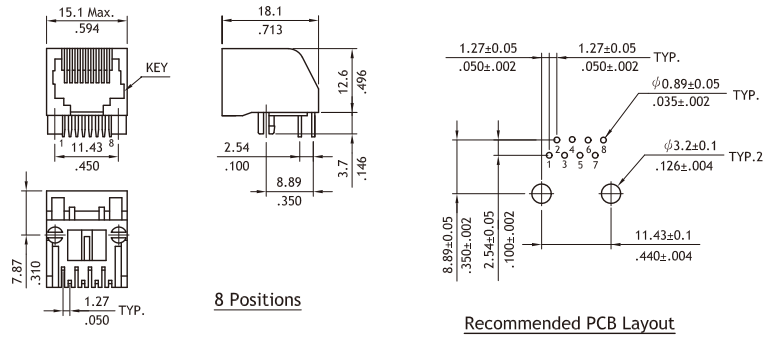
P/N	CJ318**1100



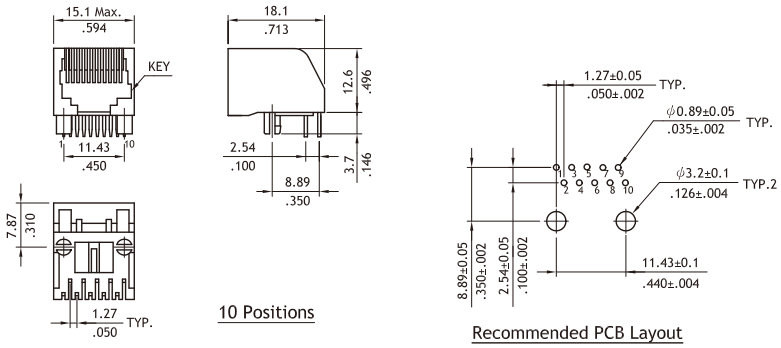
P/N	CJ31AA*1100



P/N	CJ318**110K



P/N	CJ31AA*110K

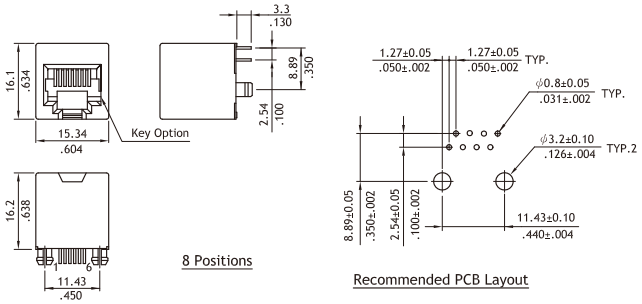


CJ46 Series Board Mount Telephone Jacks

◎ Available in 4, 6 and 8 ways
◎ Insulator: Black, Glass Filled polyester
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations PART 68, SUBPART F

RoHS Compliant

P/N	CJ4688*110*

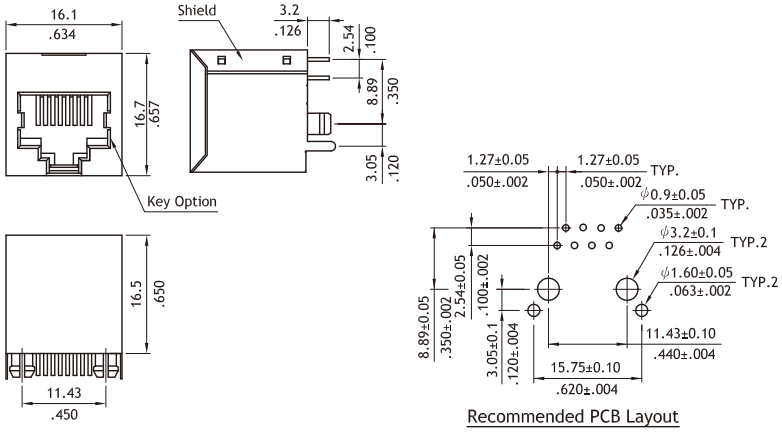


CJ47 Series Board Mount Telephone Jacks

◎ Available in 8 ways
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations PART 68, SUBPART F

RoHS Compliant

P/N	CJ4788*110*

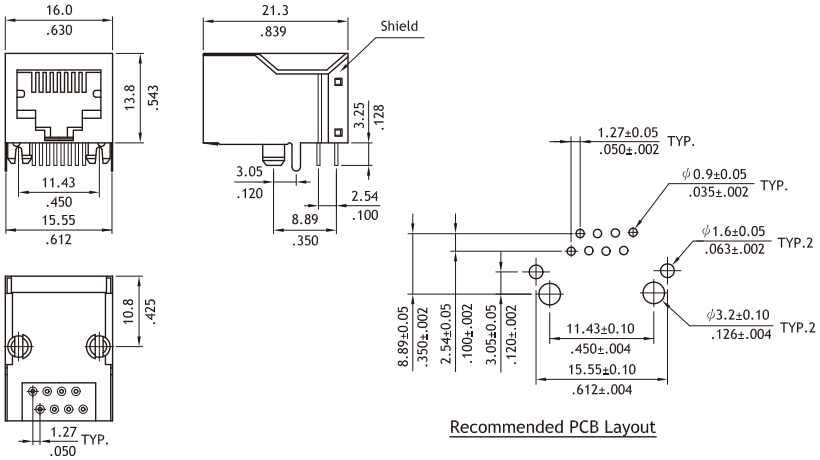


CJ58 Series Board Mount Telephone Jacks

◎ Available in 8 ways
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations PART 68, SUBPART F

RoHS Compliant

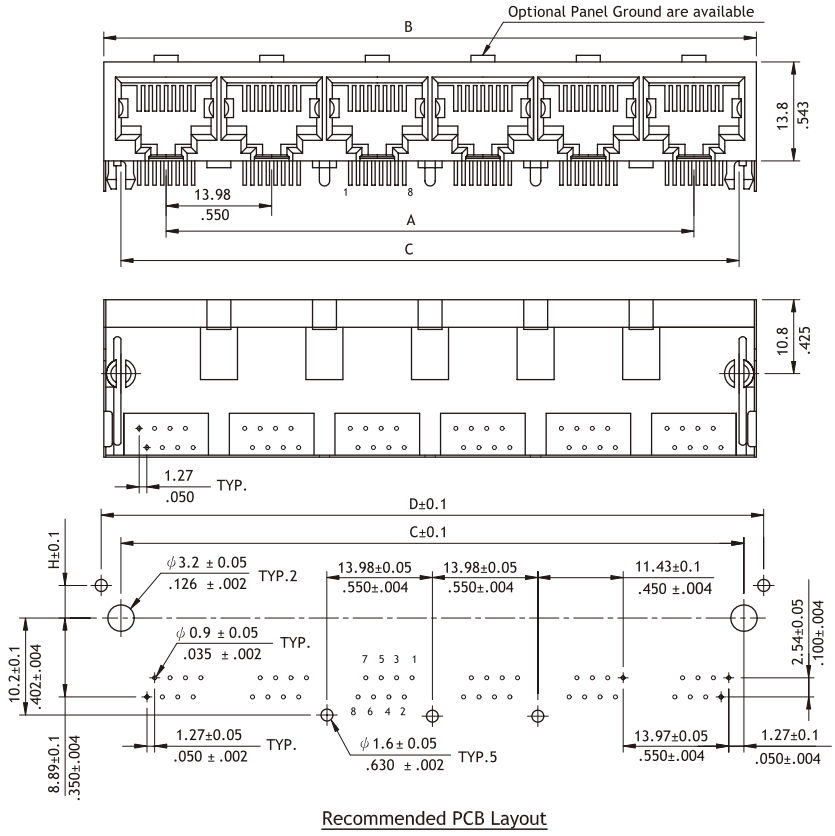
P/N	CJ5888*1100



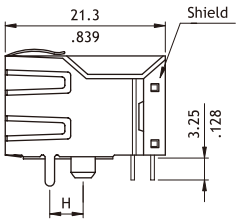
CJ48 Series Board Mount Telephone Jacks

◎ Available in 1, 2, 4, 6 and 8 ports
◎ With metal shielding
◎ With metal grounding and PCB pegs
◎ Insulator: Black, Glass Filled polyester
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations PART 68, SUBPART F

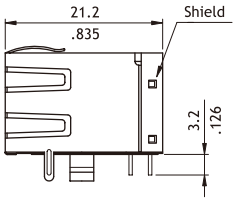
RoHS Compliant



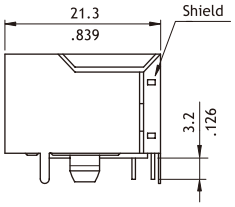
Recommended PCB Layout



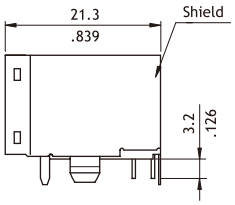
1 Port



2 Ports



4 Ports



6 and 8 Ports

CviLux P/N	Dimension				
	A	B	C	D	H
CJ4888211*A	-	16.0(.630)	11.43(.450)	15.55(.612)	4.57(.180)
CJ4888211*B					3.65(.144)
CJ4888211*C					3.05(.120)
CJ4888221*A	13.97(.550)	31.0(1.220)	25.4(1.000)	30.8(1.213)	4.57(.180)
CJ4888241*A	41.91(1.650)	59.1(2.327)	53.34(2.100)	58.9(2.319)	4.57(.180)
CJ4888261*A	69.85(2.750)	87.3(3.437)	81.30(3.201)	86.8(3.417)	4.57(.180)
CJ4888281*A	97.79(3.850)	114.8(4.520)	109.22(4.300)	114.6(4.512)	4.57(.180)

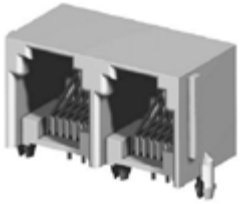
Ordering Code

①	②	③	④	⑤	⑥	⑦
CJ48	88	2	8	1	0	A

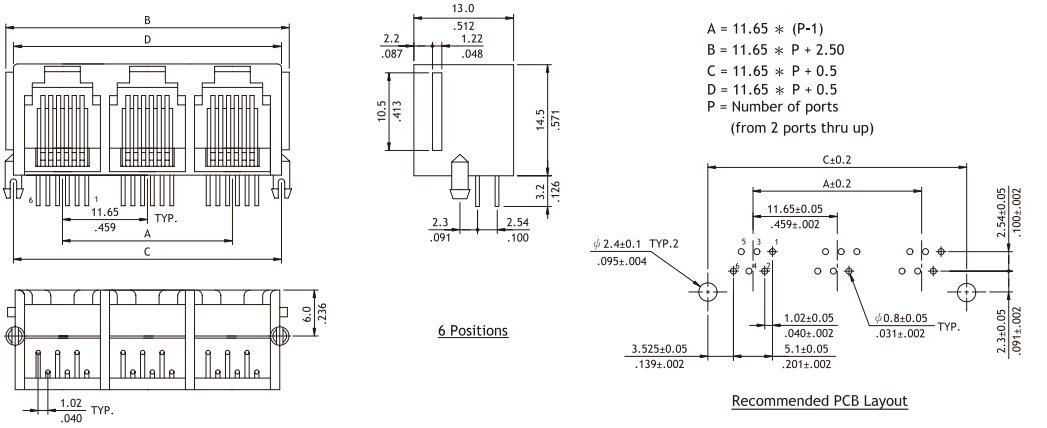
① Series No.
② No. of Circuits: 88 = 8P8C
③ Plating Code:
2 = Gold flash over Nickel
*Optional plating available but MOQ requested
④ Ports: 1, 2, 4, 6 and 8
⑤ Insulator Color: 1 = Color Black
⑥ Panel Ground Code:
0 = Without Panel Ground
F = With Top & Left Right 3 Panel Ground (only 1 & 2 Ports)
H = Top Side With Long Panel Ground
P = Without Panel Ground, With Tabs (only 4 Ports)
⑦ H options:
A: H = 4.57mm
B: H = 3.65 (only 1 & 2 Ports)
C: H = 3.05 (only 1 & 2 Ports)
*Special options consult manufacturer

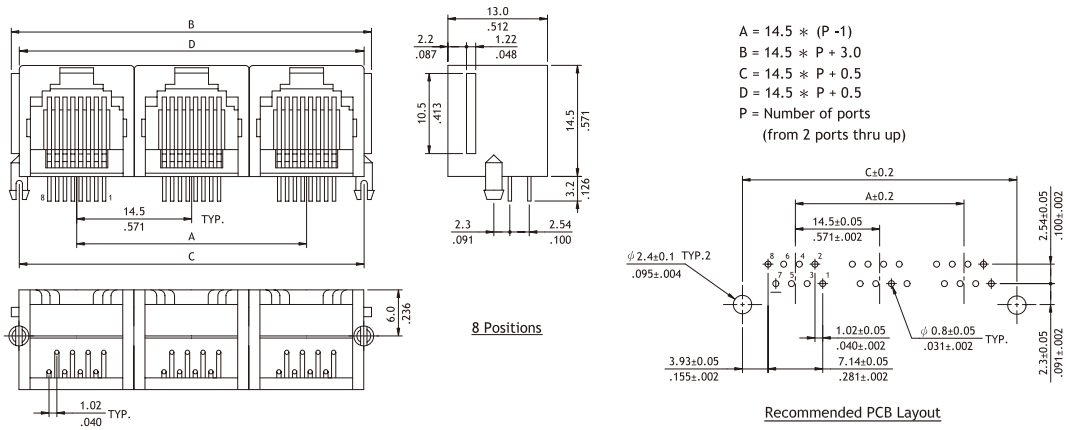
CJ50 Series Board Mount Telephone Jacks

◎ Available from 2 ports and up
◎ Stacked assembly type
◎ With PCB pegs
◎ Insulator: Gray, Glass Filled polyester
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations PART 68, SUBPART F



RoHS Compliant





Ordering Code

①	②	③	④	⑤	⑥
CJ50	88	2	6	9	00

① Series No.
② No. of Circuits: 66 = 6P6C 64 = 6P4C
62 = 6P2C, 88 = 8P8C
③ Plating Code:
2 = Gold flash over Nickel
*Optional plating available but MOQ requested
④ Ports: 2 to up ports
⑤ Color Code: 9 = Gray
⑥ Ground pegs options:
00 = Standard
*Special options consult manufacturer

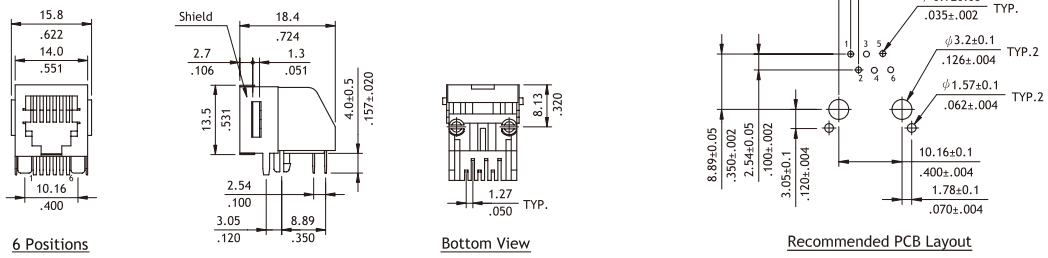
CJ59 Series Board Mount Telephone Jacks

◎ Available in 6, 8 and 10 ways
◎ Insulator: Black, Glass Filled polyester
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations
PART 68, SUBPART F

RoHS Compliant

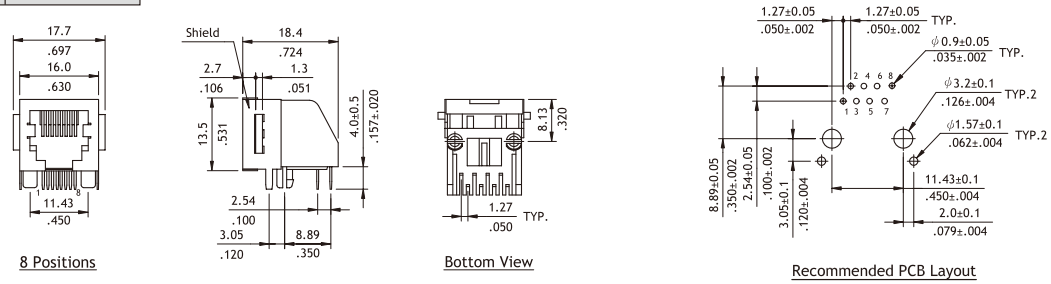
3D

P/N	CJ596*A1100



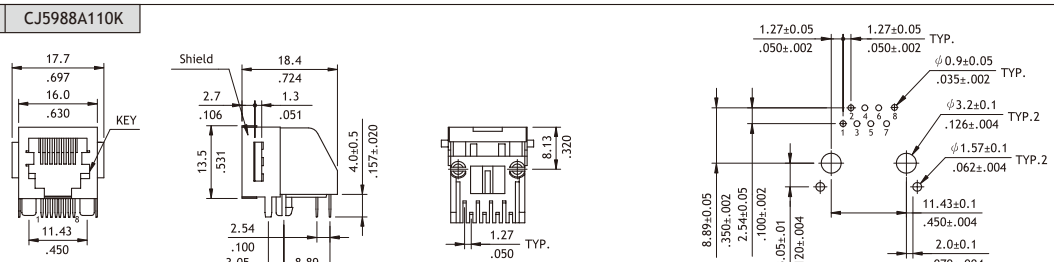
6 Positions　Bottom View　Recommended PCB Layout

P/N	CJ5988A1100



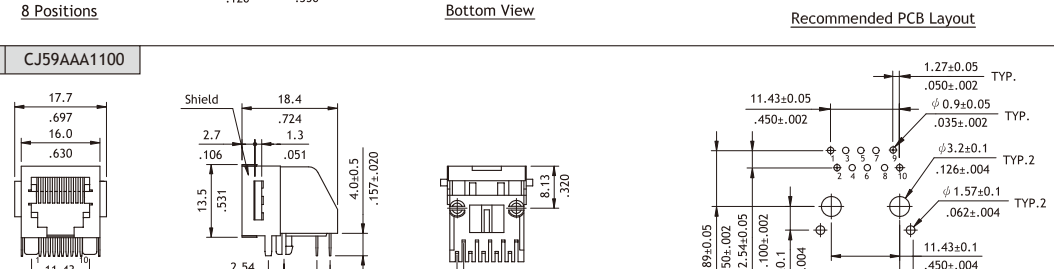
8 Positions　Bottom View　Recommended PCB Layout

P/N	CJ5988A110K



8 Positions　Bottom View　Recommended PCB Layout

P/N	CJ59AAA1100



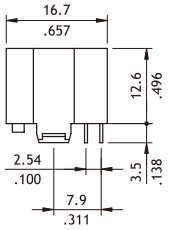
10 Positions　Bottom View　Recommended PCB Layout

CJ91 Series Board Mount Telephone Jacks

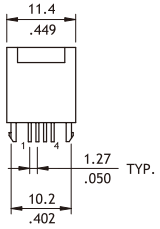
◎ Available in 4 and 6 ways
◎ Insulator: Black, Glass Filled polyester
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations PART 68, SUBPART F

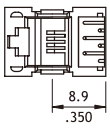
RoHS Compliant

P/N	CJ91A*21100

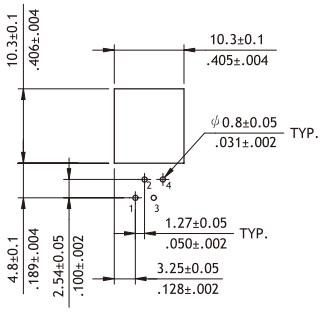


4 Positions



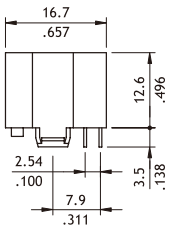


Bottom View

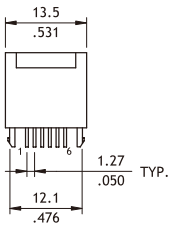


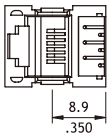
Recommended PCB Layout

P/N	CJ916*21100

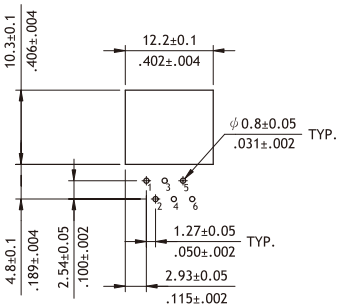


6 Positions





Bottom View



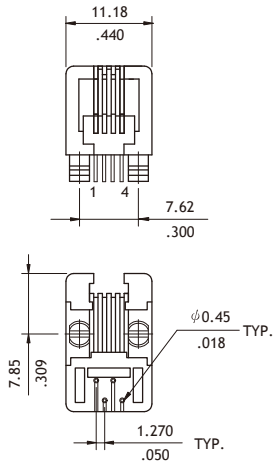
Recommended PCB Layout

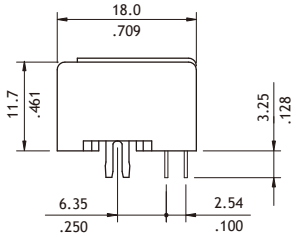
CJ97 Series Board Mount Telephone Jacks

◎ Available in 4, 6 and 8 ways
◎ Insulator: Black, Glass Filled polyester
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations PART 68, SUBPART F

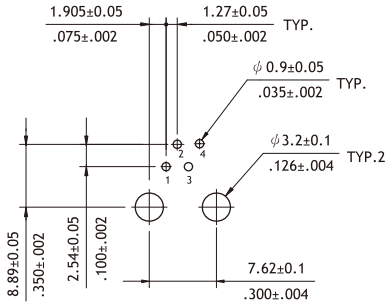
RoHS Compliant

P/N	CJ974*21100



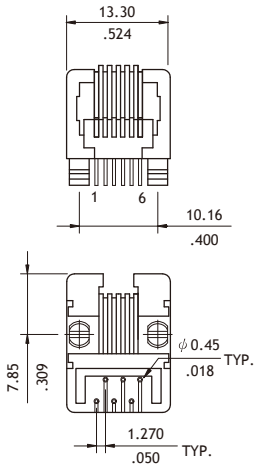


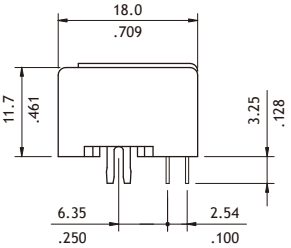
4 Positions



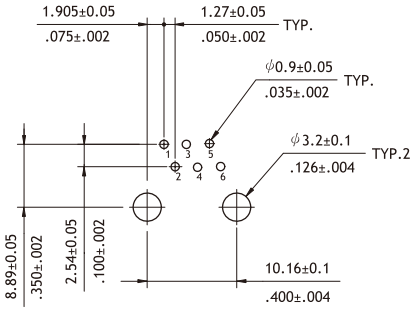
Recommended PCB Layout

P/N	CJ976*21100



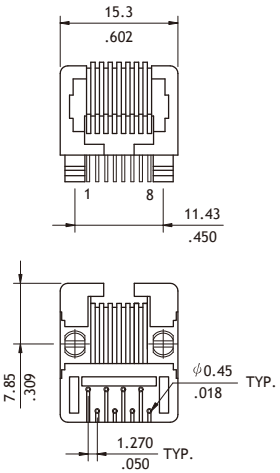


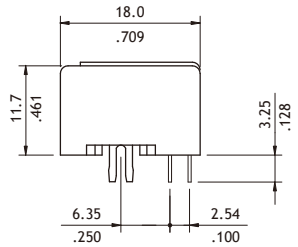
6 Positions



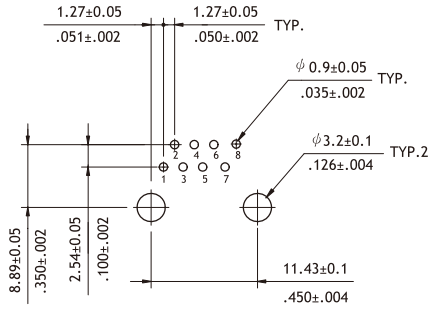
Recommended PCB Layout

P/N	CJ978*21100





8 Positions

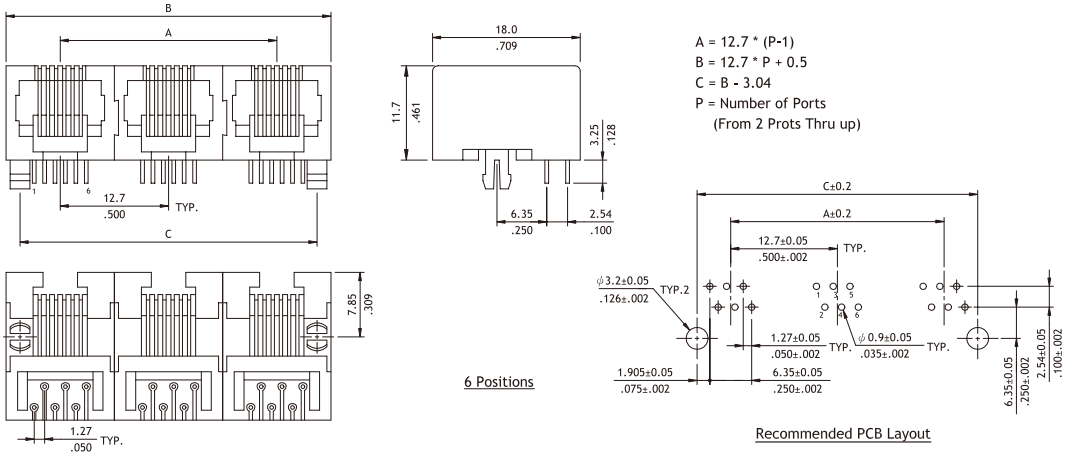


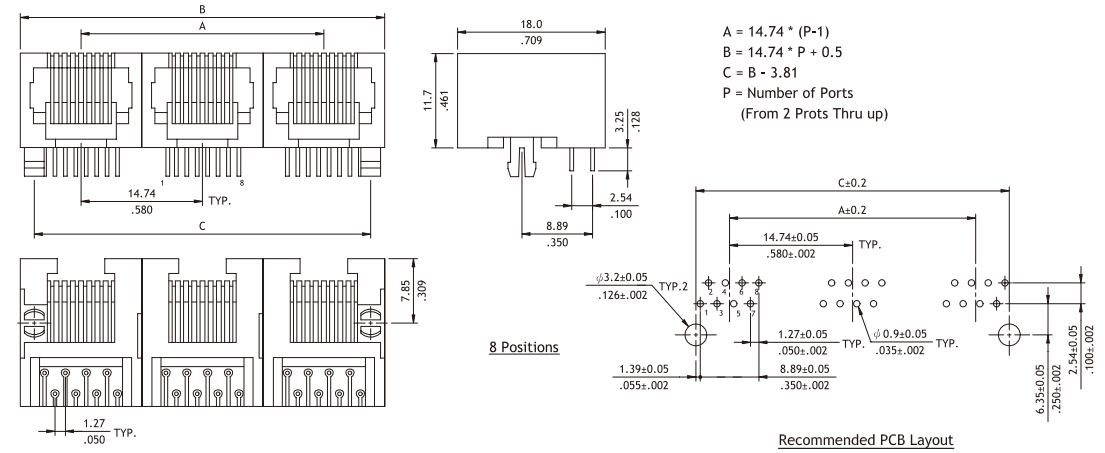
Recommended PCB Layout

CJ97 Series Board Mount Telephone Jacks

◎ Available from 6 and 8 ways
◎ Insulator: Black, Glass Filled polyester
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations PART 68, SUBPART F

RoHS Compliant





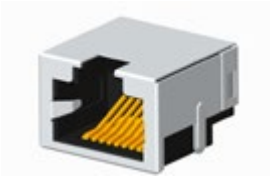
Ordering Code

①	②	③	④	⑤	⑥
CJ97	88	2	6	1	00

① Series No.
② No. of Circuits: 66 = 6P6C, 64 = 6P4C
62 = 6P2C, 88 = 8P8C
③ Plating Code:
2 = Gold flash over Nickel
*Optional plating available but MOQ requested
④ Ports: 2 to up ports
⑤ Insulator Color: 1 = Black
⑥ Panel Ground Code:
00 = Standard
*Special options consult manufacturer

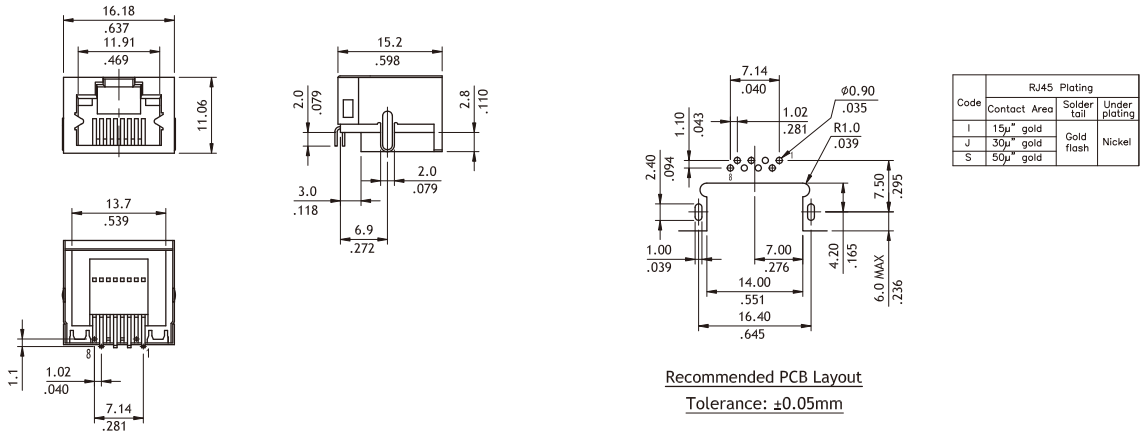
CJB1 Series Board Mount Telephone Jacks

◎ Insulator: Black, Glass Filled polyester
◎ Flammability Rating: UL 94V-0
◎ Cavity confirms to FCC rules and regulations PART 68, SUBPART F



RoHS Compliant

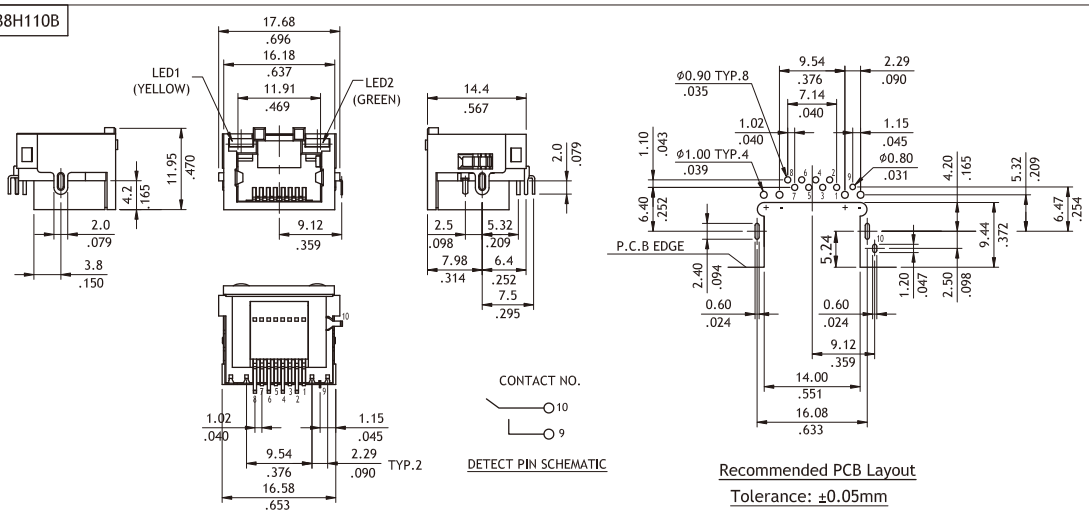
P/N	CJB188*1100-C



Recommended PCB Layout
Tolerance: ±0.05mm

Code	RJ45 Plating		
	Contact Area	Solder tail	Under plating
I	15μ" gold	Gold flash	Nickel
J	30μ" gold		
S	50μ" gold		

P/N	CJB188H110B



Recommended PCB Layout
Tolerance: ±0.05mm

Ordering Code

①	②	③	④	⑤	⑥	⑦
CJB1	8	8	1	1	1	00-C

① Series No.
② No. of Circuits:
③ Solder tails: 8=8C
④ Plating Code: see above table
⑤ Ports: 1=1 port
⑥ Insulator Color: 1 = Black
⑦ Other Code:
00-C = Standard

①	②	③	④	⑤	⑥	⑦	⑧
CJB1	8	8	H	1	1	0	B

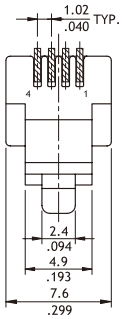
① Series No.
② No. of Circuits:
③ Solder tails: 8=8C
④ Plating Code: H = 6μ" Gold flash over Nickel
⑤ Ports: 1=1 port
⑥ Insulator Color: 1 = Black
⑦ Other Code:
0 = Without Panel Ground
⑧ LED Code: B: LED1=Yellow, LED2=Green

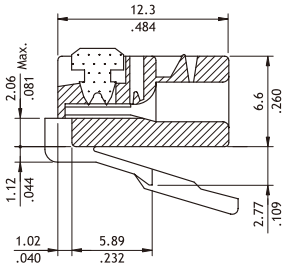
CJP1 Series Telephone Modular Plugs

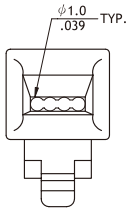
◎ Available 4 and 6 ways
◎ Plugs available for stranded or solid conductor from AWG #24~#26
◎ With shielded and fits round or flat-oval cable
◎ Insulator: Clear, polycabonate

RoHS Compliant

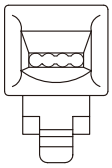
4 Positions





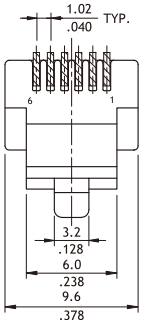


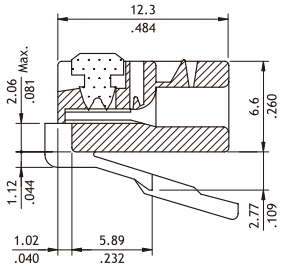
Flat-oval Cable

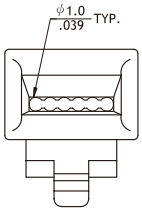


Round Cable

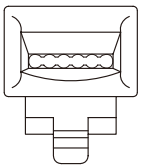
6 Positions







Flat-oval Cable



Round Cable

Ordering Code

①	②	③	④	⑤	⑥
CJP1	66	2	1	0	F0

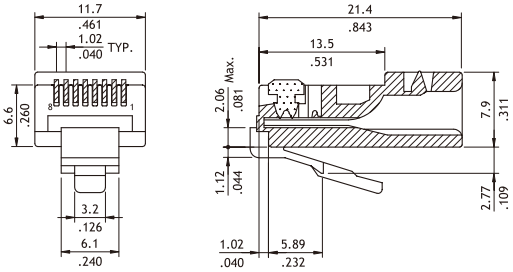
① Series No.
② No. of Circuits: 44 = 4P4C, 42 = 4P4C
66 = 6P6C, 64 = 6P4C
62 = 6P2C
③ Plating Code:
2 = Gold flash over Nickel
*Optional plating available but MOQ requested
④ Latch Style: 1 = Standard
⑤ Color Code: 0 = Nature
⑥ Cable Type:
F0 = Flat-oval Cable
R0 = Round Cable
*Special options consult manufacturer

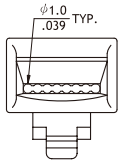
CJP2 Series Telephone Modular Plugs

◎ Available 8 and 10 ways
◎ Plugs available for standed or solid conductor from AWG #24 ~ #26
◎ With shielded and fits round or flat-oval cable
◎ Insulator: Clear, Polycabonate

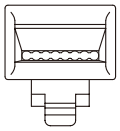

RoHS Compliant

8 Positions



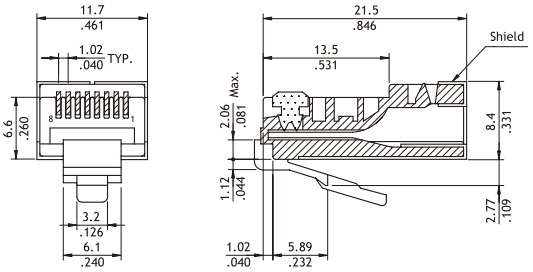


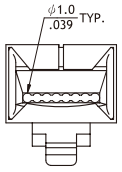
Flat-oval Cable



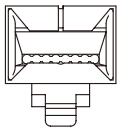
Round Cable

8 Positions



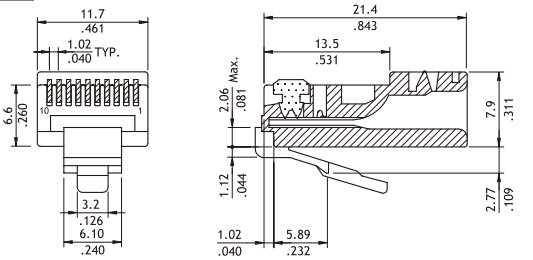


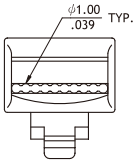
Flat-oval Cable



Round Cable

10 Positions





Round Cable

Ordering Code

①	②	③	④	⑤	⑥	⑦
CJP2	88	2	1	0	R	0

① Series No.
② No. of Circuits: 88 = 8P8C, AA = 8P10C
③ Plating Code:
2 = Gold flash over Nickel
*Optional plating available but MOQ requested
④ Latch Style: 1 = Standard
⑤ Color Code: 0 = Nature
⑥ Cable Type:
F = Flat-oval cable
R = Round cable
⑦ Other Options:
0 = Without Shield
R = With Shield
*Special options consult manufacturer

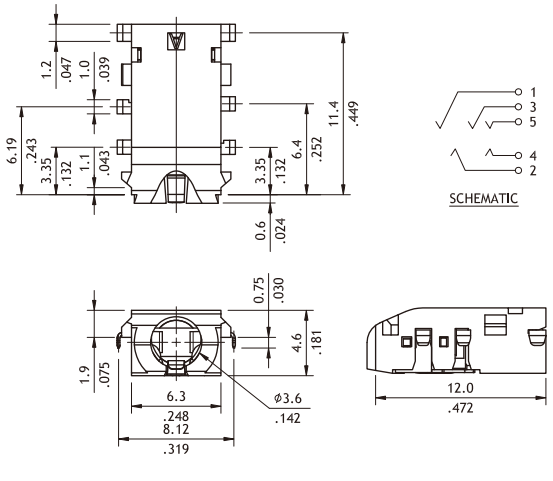
CJE1 Series 3.5MM(.138") Phone Jack Conncetors

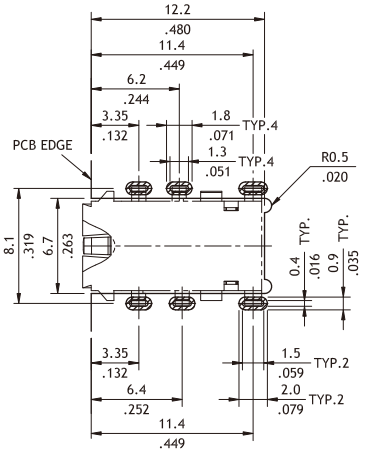
◎ Housing: High Temperature plastic, Color Black
◎ Terminal: Copper Alloy

NEW

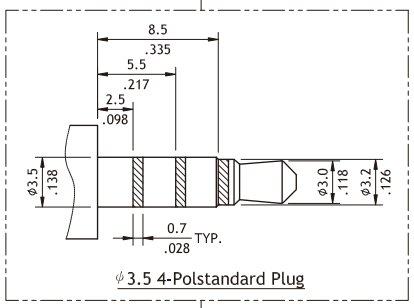
RoHS Compliant

P/N CJE106D21C0-N

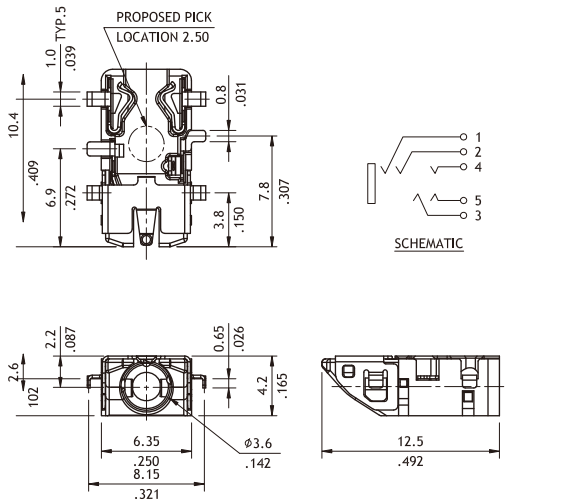


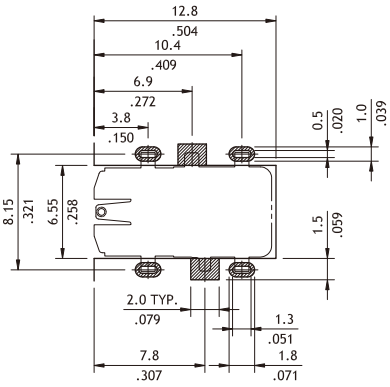


Recommended PCB Layout
Tolerance:±0.05mm



P/N CJE106A21D0-Y





Recommended PCB Layout
Tolerance:±0.05mm

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧
CJE1	06	D	2	1	C	0	- N

① Series No.
② No. of Circuits: 06
③ Mounting style:
D= Middle DIP type
A= Middle SMT+DIP type
④ Plating Code:
2= Gold flash plated over Nickel
⑤ Insulator Code: 1 =Black
⑥ Type:
C= Bevel+forward ; D= Bevel+Reverse
⑦ Other Options: 0 = Standard
⑧ Switch: Y= with Switch ; N= Without Switch