44 Pins



Specifications

Insulation Housing:

Carrier: Cover:

Plating:

Socket PCB-Layout

Current Bating:	03A
Batad Valtaga	
naleu voltage.	50V DC
Contact Resistance:	$30 \mathrm{m}\Omega$ max. at $10 \mathrm{m}A$
	and 20mV max.
Insulation Resistance:	500M Ω min. at 500V DC
Withstanding Voltage:	250V _{eff} for 1 minute
Operating Temp. Range:	-55°C to +85°C
Mating Cycles:	10 insertions maximum
Soldering Temp. Resistance:	: 220°C max.
	for 2 minutes max.(using VF
	200°C min. ~ 250°C max.
	for 1 minute max. (using IR)
Heat Resistance:	500 hours at 85°C
Materials and Finish	
Contesta	Common Allow
Contacts:	Copper Alloy

PPS (UL94V-0) PA66 (UL94V-0) Phosphoric Bronze SnPb 2.0 \sim 4.0 μm over Ni

VPS)

IC Dimensions



N2

Top View from Socket

N3

Notes: N2: These holes are only necessary for use with positioning pins. N3: We recommend to enlarge the 8 soldering areas at the edges to enforce the contact between the Socket and the PC-Board.

Socket Part Number	Available Units	Quantity/ (Tray)
IC198-044-2000 without positioning pins	Single or Tray Packaging	60
16136-044-2001 with positioning pins	-	-

A YAMAICHI ELECTRONICS

80 Pins



Specifications

Current Rating:	
Rated Voltage:	
Contact Resistance:	

Insulation Resistance: Withstanding Voltage: Operating Temp. Range: Mating Cycles: Soldering Temp. Resistance: 220°C max.

0.3 A 50V DC $30m\Omega$ max. at 10mAand 20mV max. $500M\Omega$ min. at 500V DC $250V_{eff}$ for 1 minute -55°C to +85°C 10 insertions maximum for 2 minutes max.(using VPS) 200°C min. ~ 250°C max. for 1 minute max. (using IR) 500 hours at 85°C

Heat Resistance:

Materials and Finish

Contacts: Insulation Housing: Carrier: Cover: Plating:

Copper Alloy PPS (UL94V-0) PA66 (UL94V-0) Phosphoric Bronze SnPb 2.0 ~ 4.0 μm over Ni



Notes

Notes.
 N1: Metal soldering Tab Clip for stabilizing the Socket by soldering in these 4 areas.
 N2: These holes are only necessary for use with positioning pins.

Socket Part Number	Available Units	Quantity/ (Tray)
IC198-080-1000 without positioning pins IC198-080-1001 with positioning pins	Single or Tray Packaging Tape & Reel	25 on demand

(A) YAMAICHI

SPECIFICATIONS ARE SUBJECT TO ALTERATION WITHOUT PRIOR NOTICE - DIMENSIONS IN MILLIMETER

80 Pins

TQFP - (20 x 20 pins) 0.65 mm pitch

Socket Dimensions



Specifications

-	
Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	$30 \mathrm{m}\Omega$ max. at $10 \mathrm{m}A$
	and 20mV max.
Insulation Resistance:	500M Ω min. at 500V DC
Withstanding Voltage:	250V _{eff} for 1 minute
Operating Temp. Range:	-55°C to +85°C
Mating Cycles:	10 insertions maximum
Soldering Temp. Resistance	e: 220°C max.
	for 2 minutes max.(using VPS)
	200°C min. ~ 250°C max.
	for 1 minute max. (using IR)
Heat Resistance:	500 hours at 85°C

Heat Resistance:

Materials and Finish

Contacts: Insulation Housing: Carrier: Cover: Plating:

Copper Alloy PPS (UL94V-0) PA66 (UL94V-0) Phosphoric Bronze SnPb 2.0 ~ 4.0µm over Ni

Socket PCB-Layout

Top View from Socket



IC Dimensions



Notes:

N2: These holes are only necessary for use with positioning pins. N3: We recommend to enlarge the 8 soldering areas at the edges to enforce the contact between the Socket and the PC-Board.

Socket Part Number	Available Units	Quantity/ (Tray)
IC198-080-2000 without positioning pins IC198-080-2001 with positioning pins	Single or Tray Packaging Tape & Reel	40 on demand

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A YAMAICHI

80 Pins



Socket Dimensions



Specifications

•	
Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	30m Ω max. at 10mA
	and 20mV max.
Insulation Resistance:	500M Ω min. at 500V DC
Withstanding Voltage:	250V _{eff} for 1 minute
Operating Temp. Range:	-55°C to +85°C
Mating Cycles:	10 insertions maximum
Soldering Temp. Resistance	: 220°C max.
	for 2 minutes max.(using VPS)
	200°C min. ~ 250°C max.
	for 1 minute max. (using IR)
Heat Resistance:	500 hours at 85°C

Heat R

Materials and Finish

Contacts: Insulation Housing: Carrier: Cover: Plating:

Copper Alloy PPS (UL94V-0) PA66 (UL94V-0) Phosphoric Bronze SnPb 2.0 ~ 4.0 μm over Ni

19.35 ±0.05

0.65x19=12.35 ±0.1

 0.65 ± 0.05

ß

Ö, 0.45

0.225

0.60 ±0.05 N3

Socket PCB-Layout

3.50 ±0.05

 \varnothing 1.00 ±0.05

□ 17.60 ±0.1

□13.70 ±0.1

N2

3.50 ±0.05

Top View from Socket



Notes

N2: These holes are only necessary for use with positioning pins. N3: We recommend to enlarge the 8 soldering areas at the edges to enforce the contact between the Socket and the PC-Board.

Socket Part Number	Available Units	Quantity/(Tray)
IC198-080-2100 without positioning pins	Single or Tray Packaging	40 on demand
IC198-080-2101 with positioning pins	Tape & Reel	

100 Pins



Socket Dimensions



Specifications

•	
Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	$30 \mathrm{m}\Omega$ max. at $10 \mathrm{m}A$
	and 20mV max.
Insulation Resistance:	500M Ω min. at 500V DC
Withstanding Voltage:	250V _{eff} for 1 minute
Operating Temp. Range:	-55°C to +85°C
Mating Cycles:	10 insertions maximum
Soldering Temp. Resistance	e: 220°C max.
	for 2 minutes max.(using VPS)
	200°C min. ~ 250°C max.
	for 1 minute max. (using IR)
Heat Resistance:	500 hours at 85°C

Heat Resistance:

Materials and Finish

Contacts: Insulation Housing: Carrier: Cover: Plating:

i

Socket PCB-Layout





Notes:

N2: These holes are only necessary for use with positioning pins. N3: We recommend to enlarge the 8 soldering areas at the edges

to enforce the contact between the Socket and the PC-Board.	
Socket Part Number	

IC198-100-2000 without positioning pins	Single or Tray Packaging	40 on demand
IC198-100-2001 with positioning pins	Tape & Reel	

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100 Pins



Socket Dimensions





IC Dimensions



Specifications С

Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	$30 \text{m}\Omega$ max. at $10 \text{m}A$
	and 20mV max.
Insulation Resistance:	500M Ω min. at 500V DC
Withstanding Voltage:	250V _{eff} for 1 minute
Operating Temp. Range:	-55°C to +85°C
Mating Cycles:	10 insertions maximum
Soldering Temp. Resistance	: 220°C max.
	for 2 minutes max.(using VPS)
	200°C min. ~ 250°C max.
	for 1 minute max. (using IR)
Heat Resistance:	500 hours at 85°C

Heat Resistance:

Materials and Finish

Contacts: Insulation Housing: Carrier: Cover: Plating:

Copper Alloy PPS (UL94V-0) PA66 (UL94V-0) Phosphoric Bronze SnPb 2.0 ~ 4.0 μm over Ni

Socket PCB-Layout





Notes

N1: Metal soldering Tab Clip for stabilizing the Socket by soldering in these 4 areas.
N2: These holes are only necessary for use with positioning pins.
N3: We recommend to enlarge the 8 soldering areas at the edges

to enforce the contact between the Socket and the PC-Board.

Socket Part Number	Available Units	Quantity/ (Tray)
IC198-1001-2100 without positioning pins IC198-1001-2101 with positioning pins	Single or Tray Packaging Tape & Reel	28 on demand

112 Pins



Socket Dimensions





IC Dimensions



Specifications

•	
Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	$30m\Omega$ max. at $10mA$
Insulation Resistance:	500MΩ min. at 500V DC
Withstanding Voltage:	250V _{eff} for 1 minute
Operating Temp. Range:	-55°C to +85°C
Mating Cycles:	10 insertions maximum
Soldering Temp. Resistance:	: 220°C max.
	for 2 minutes max.(using VPS)
	200°C min. ~ 250°C max.
	for 1 minute max. (using IR)
Heat Resistance:	500 hours at 85°C

Materials and Finish

Contacts:	Copper Alloy
Insulation Housing:	PPS (UL94V-0)
Carrier:	PA66 (UL94V-0)
Cover:	Phosphoric Bronze
Plating:	SnPb 2.0 ~ 4.0µm over Ni

Customer Information Socket type IC198-112-210x is supplied with an IC-dummy. This dummy is useful for socket-insertion via assembly line. After mounting the socket on the PC-board, the dummy can be easily removed.

Socket PCB-Layout

Top View from Socket



Notes:

N2: These holes are only necessary for use with positioning pins. N3: We recommend to enlarge the 8 soldering areas at the edges to enforce the contact between the Socket and the PC-Board.

Socket Part Number	Available Units	Quantity/ (Tray)
IC198-112-2100 without positioning pins IC198-112-2101 with positioning pins	Single or Tray Packaging Tape & Reel	28 on demand

128 Pins



QFP - (26 x 38 pins) 0.5 mm pitch

Specifications

Current Rating:	
Rated Voltage:	
Contact Resistance:	

Insulation Resistance: Withstanding Voltage: Operating Temp. Range: Mating Cycles: Soldering Temp. Resistance: 220°C max.

0.3 A 50V DC $30m\Omega$ max. at 10mAand 20mV max. 500M Ω min. at 500V DC $250V_{eff}$ for 1 minute -55°C to +85°C 10 insertions maximum for 2 minutes max.(using VPS) 200°C min. ~ 250°C max. for 1 minute max. (using IR)

Heat Resistance:

Materials and Finish

Contacts: Insulation Housing: Carrier: Cover: Plating:

Copper Alloy PPS (UL94V-0) PA66 (UL94V-0) Phosphoric Bronze SnPb 2.0 ~ 4.0 μm over Ni

500 hours at 85°C

IC Dimensions



Notes:

N1: Metal soldering Tab Clip for stabilizing the Socket by soldering in these 4 areas.
N2: These holes are only necessary for use with positioning pins.
N3: We recommend to enlarge the 8 soldering areas at the edges to enforce the contact between the Socket and the PC-Board.

0.5 ±0.15

2.00 max

Socket Part Number	Available Units	Quantity/ (Tray)
IC198-128-2000 without positioning pins IC198-128-2001 with positioning pins	Single or Tray Packaging Tape & Reel	28 on demand

16.00 ±0.3

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