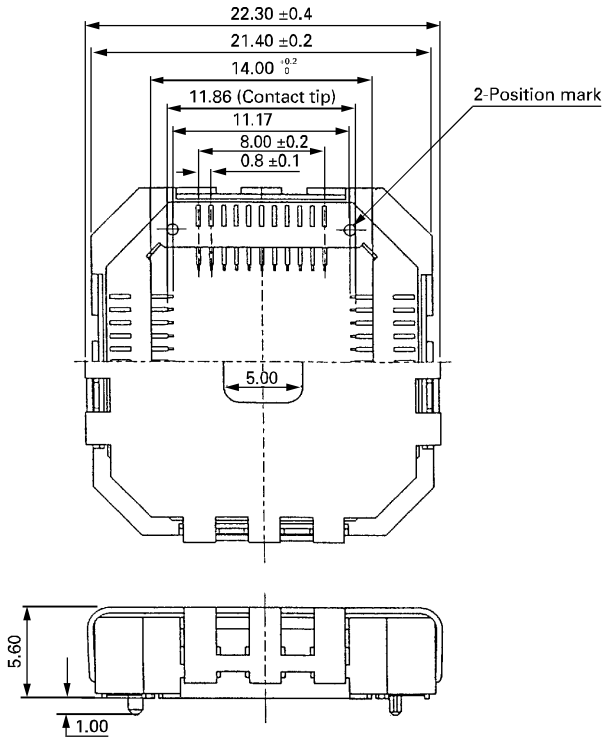
44 Pins
QFP - (11 x 11 pins) 0.8 mm pitch

Socket Dimensions



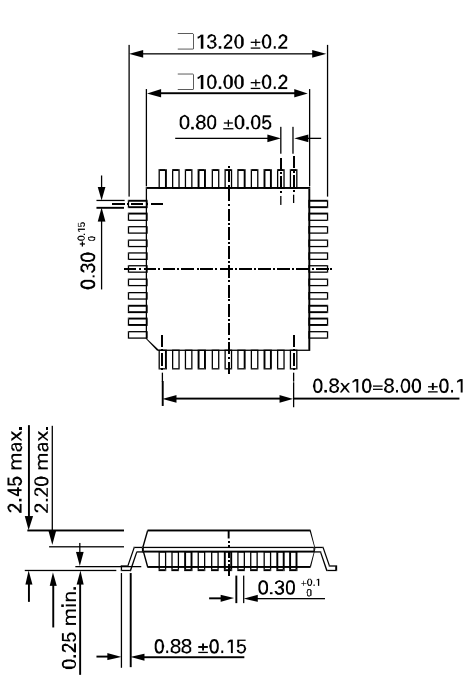
Specifications

Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	30mΩ max. at 10mA and 20mV max.
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

IC Dimensions



Socket PCB-Layout

Top View from Socket

N2

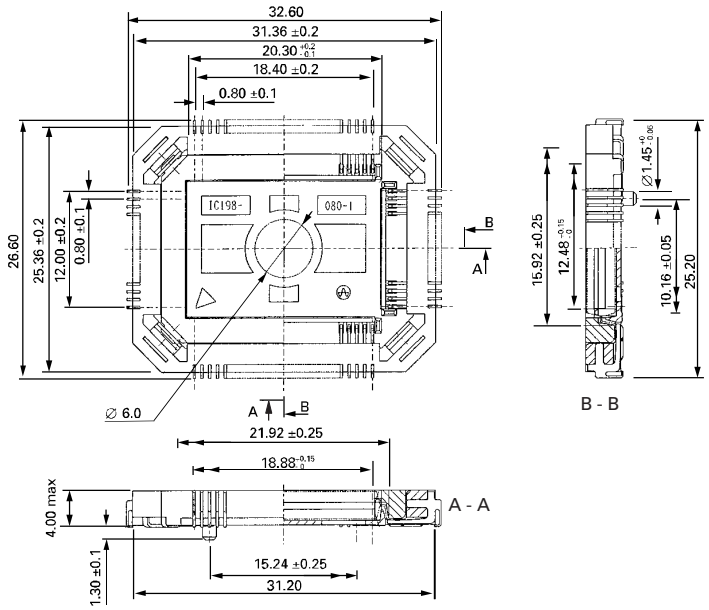
N3

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
IC198-044-2001 with positioning pins	-	-

80 Pins
QFP - (16 x 24 pins) 0.8 mm pitch

Socket Dimensions



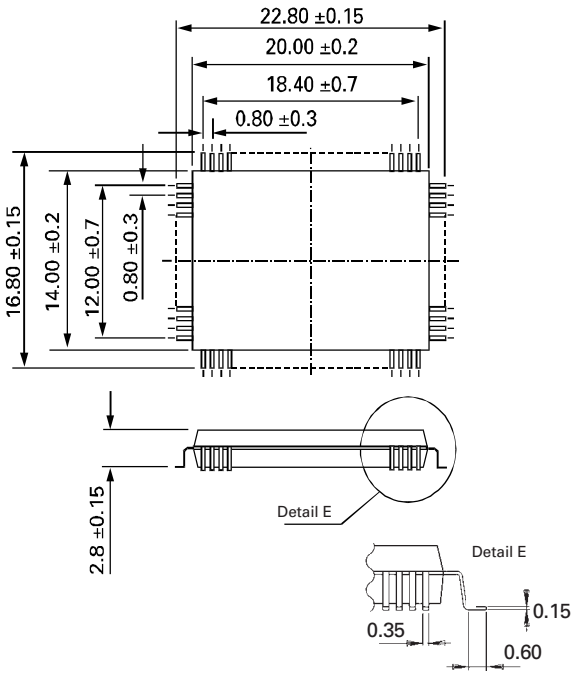
Specifications

Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	30mΩ max. at 10mA and 20mV max.
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

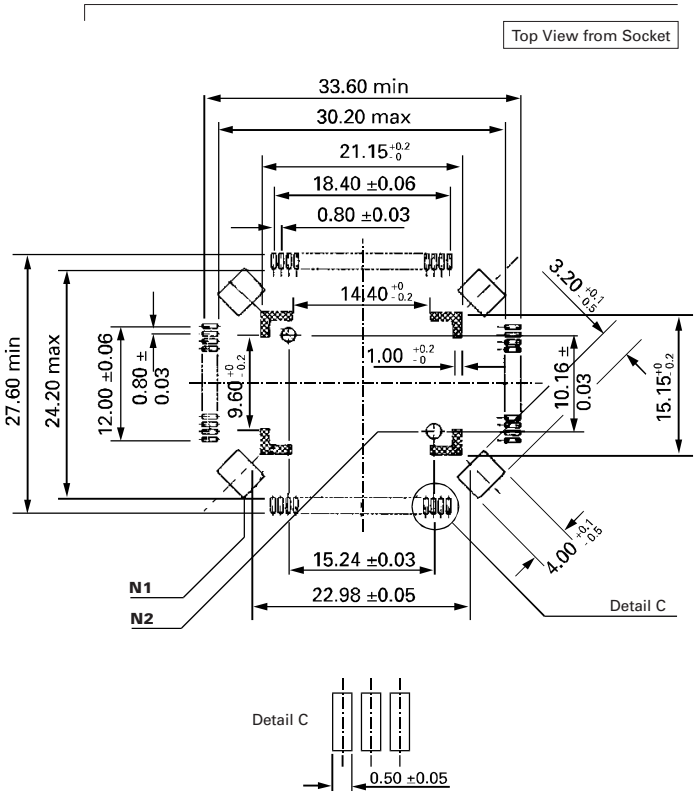
Materials and Finish

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

IC Dimensions



Socket PCB-Layout



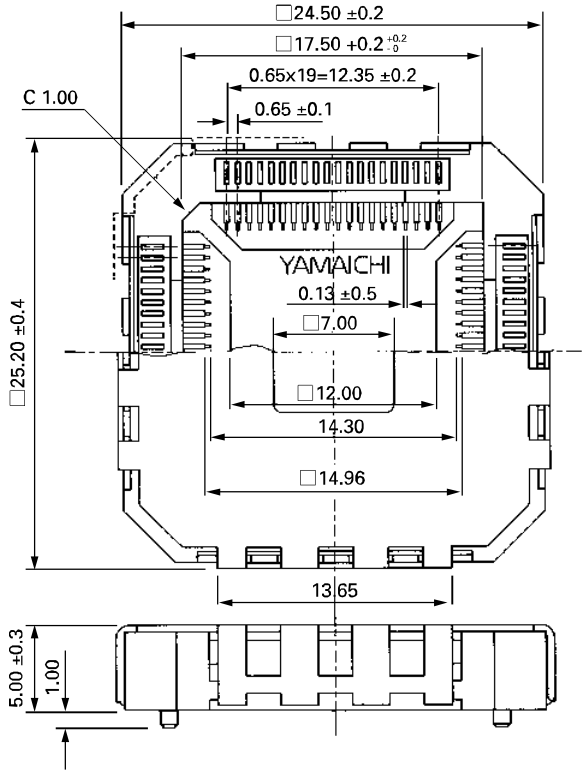
Notes:
N1: Metal soldering Tab Clip for stabilizing the Socket by soldering in these 4 areas.
N2: These holes are only necessary for use with positioning pins.

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

TQFP – Socket

80 Pins
TQFP - (20 x 20 pins) 0.65 mm pitch

Socket Dimensions



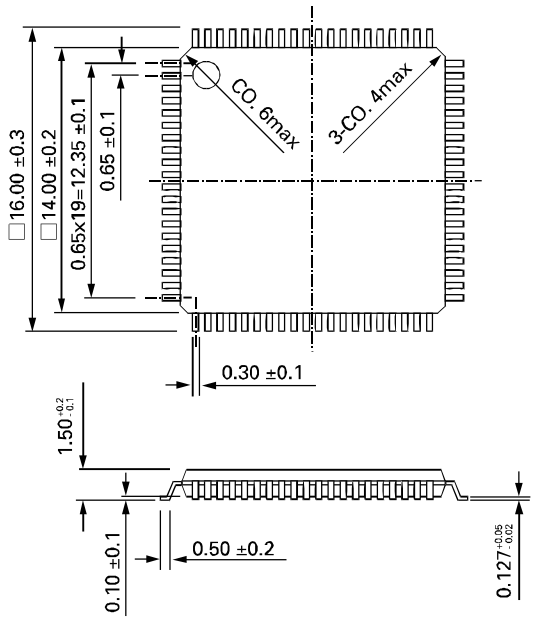
Specifications

Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	30mΩ max. at 10mA and 20mV max.
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

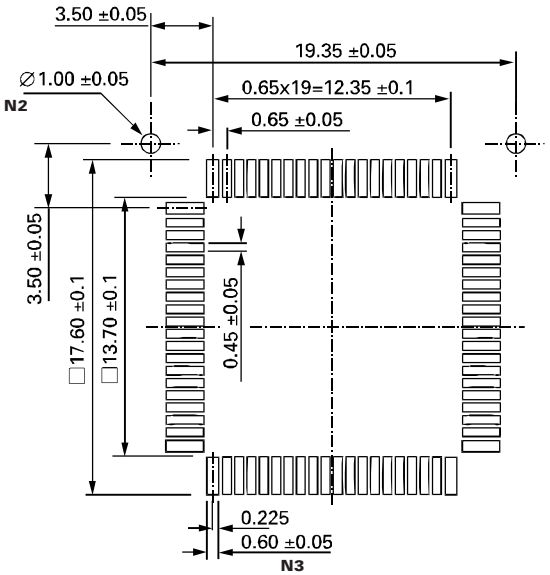
Contacts:	Copper Alloy
Insulation Housing:	PPS (UL94V-0)
Carrier:	PA66 (UL94V-0)
Cover:	Phosphoric Bronze
Plating:	SnPb 2.0 ~ 4.0µm over Ni

IC Dimensions



Socket PCB-Layout

Top View from Socket

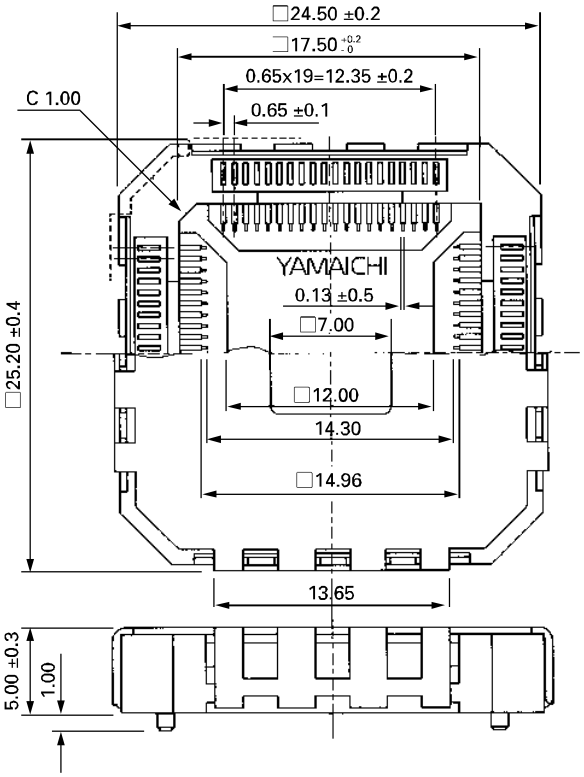


Notes:
N2: These holes are only necessary for use with positioning pins.
N3: We recommend to enlarge the 8 soldering areas at the edges to enforce the contact between the Socket and the PC-Board.

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

80 Pins
QFP - (20 x 20 pins) 0.65 mm pitch

Socket Dimensions



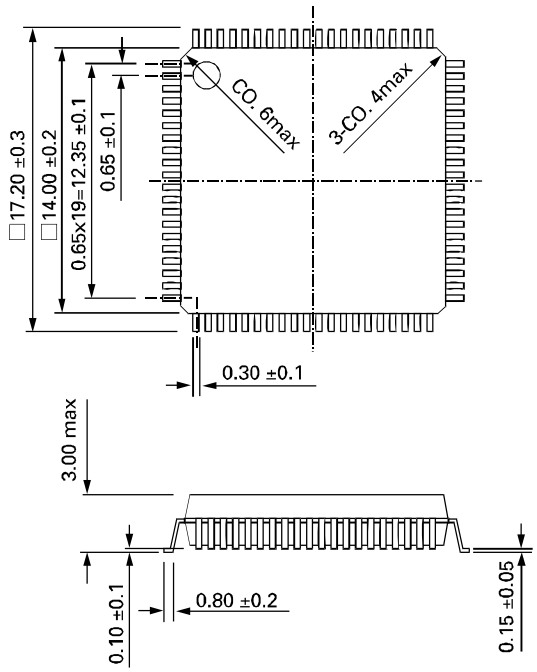
Specifications

Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	30mΩ max. at 10mA and 20mV max.
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

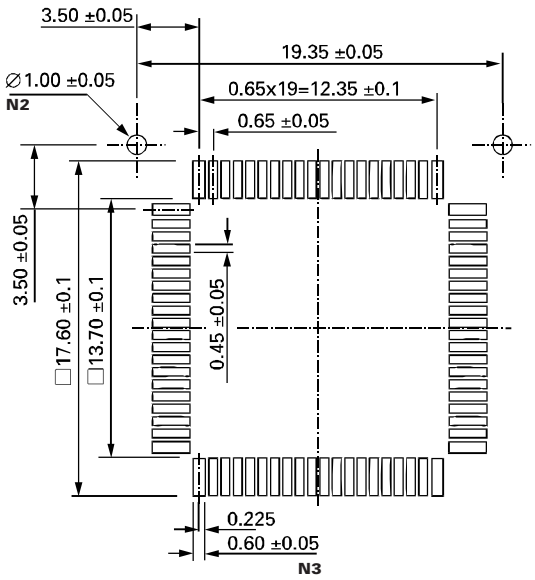
Contacts:	Copper Alloy
Insulation Housing:	PPS (UL94V-0)
Carrier:	PA66 (UL94V-0)
Cover:	Phosphoric Bronze
Plating:	SnPb 2.0 ~ 4.0µm over Ni

IC Dimensions



Socket PCB-Layout

Top View from Socket

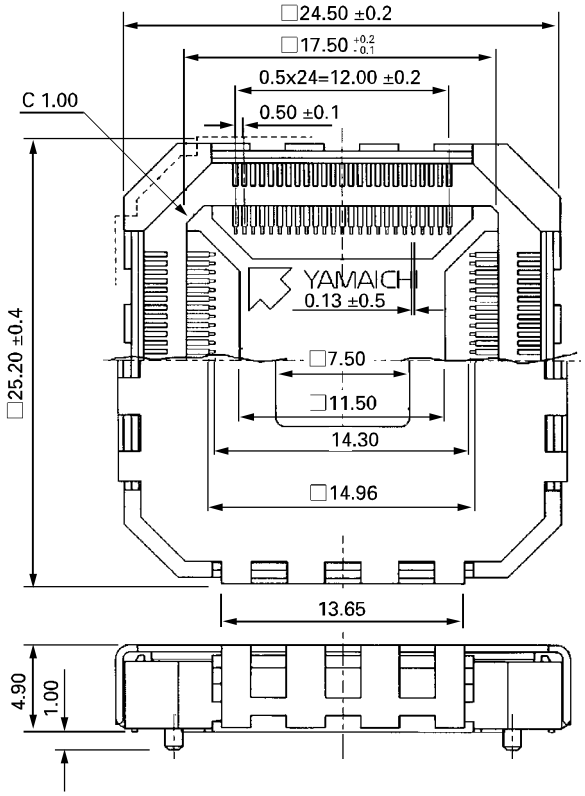


Notes:
N2: These holes are only necessary for use with positioning pins.
N3: We recommend to enlarge the 8 soldering areas at the edges to enforce the contact between the Socket and the PC-Board.

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

100 Pins
QFP - (25 x 25 pins) 0.5 mm pitch

Socket Dimensions



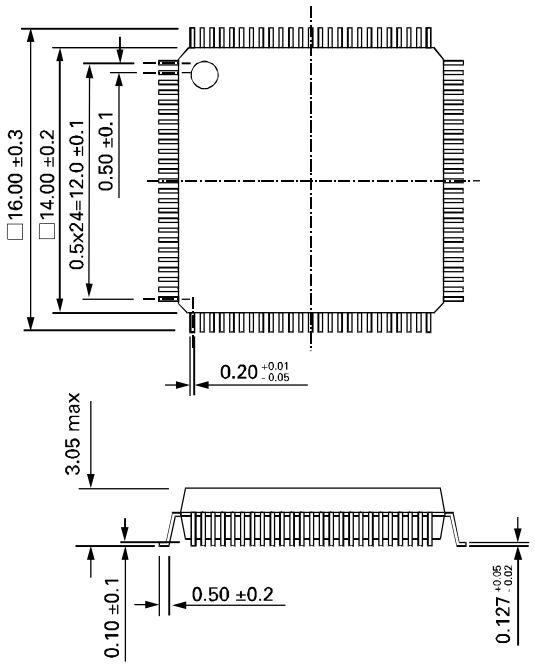
Specifications

Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	30mΩ max. at 10mA and 20mV max.
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

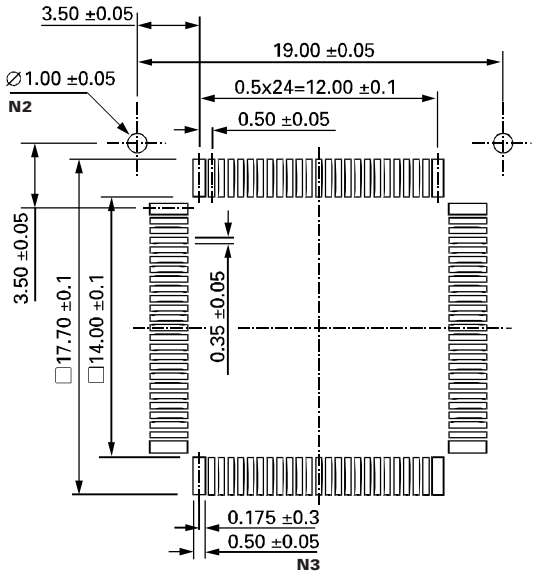
Contacts:	Copper Alloy
Insulation Housing:	PPS (UL94V-0)
Carrier:	PA66 (UL94V-0)
Cover:	Phosphoric Bronze
Plating:	SnPb 2.0 ~ 4.0µm over Ni

IC Dimensions



Socket PCB-Layout

Top View from Socket

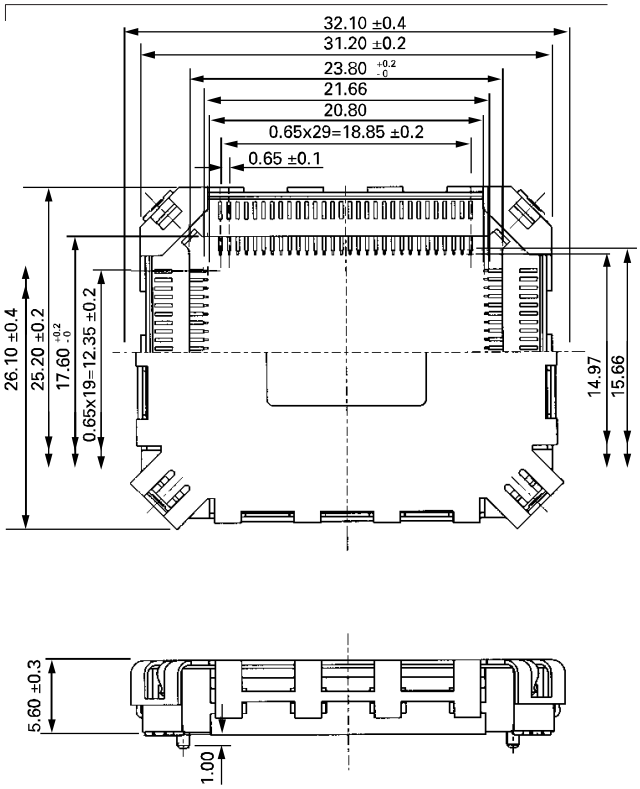


Notes:
N2: These holes are only necessary for use with positioning pins.
N3: We recommend to enlarge the 8 soldering areas at the edges to enforce the contact between the Socket and the PC-Board.

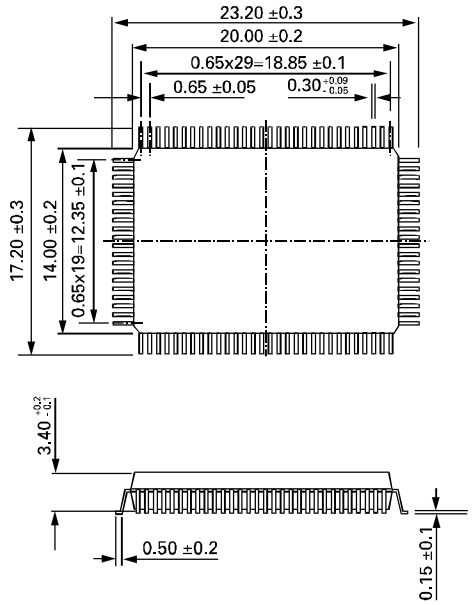
Socket Part Number	Available Units	Quantity/ (Tray)
IC198-100-2000 without positioning pins **IC198-100-2001** with positioning pins	Single or Tray Packaging Tape & Reel	40 on demand

100 Pins
QFP - (20 x 30 pins) 0.65 mm pitch

Socket Dimensions



IC Dimensions



Specifications

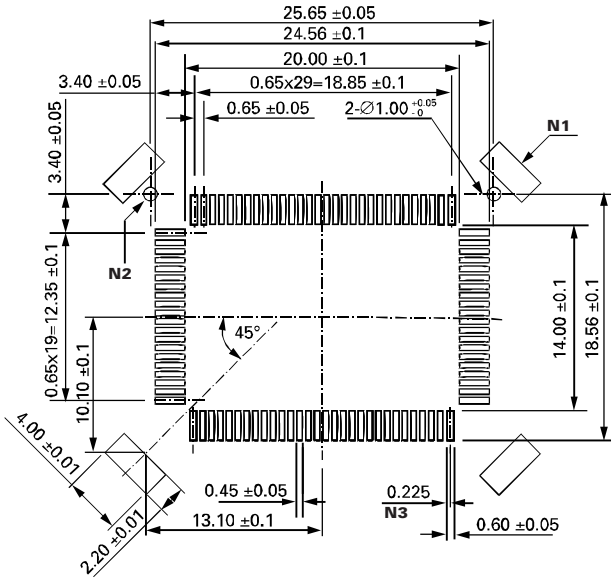
Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	30mΩ max. at 10mA and 20mV max.
Insulation Resistance:	500MΩ min. at 500V DC
Withstanding Voltage:	250V_{eff} for 1 minute
Operating Temp. Range:	-55°C to +85°C
Mating Cycles:	10 insertions maximum
Soldering Temp. Resistance:	220°C max. 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

Socket PCB-Layout

Top View from Socket

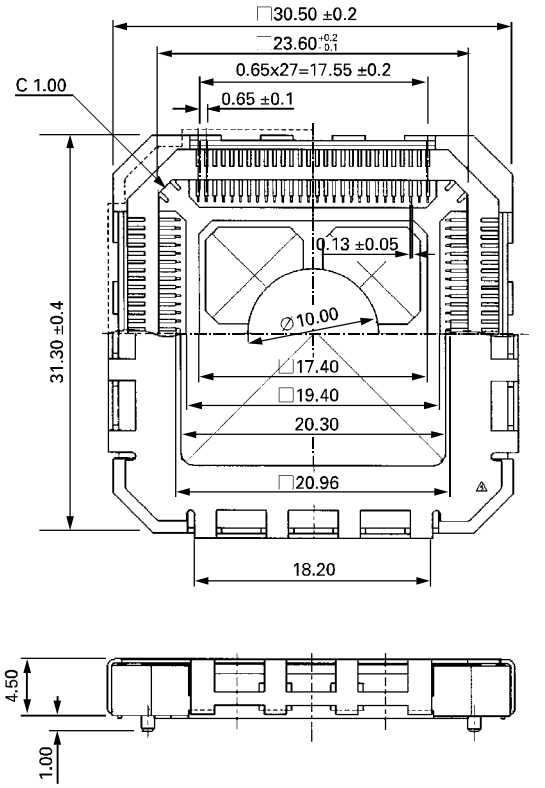


Notes:
N1: Metal soldering Tab Clip for stabilizing the Socket by soldering in these 4 areas.
N2: These holes are only necessary for use with positioning pins.
N3: We recommend to enlarge the 8 soldering areas at the edges to enforce the contact between the Socket and the PC-Board.

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
QFP - (28 x 28 pins) 0.65 mm pitch

Socket Dimensions



Specifications

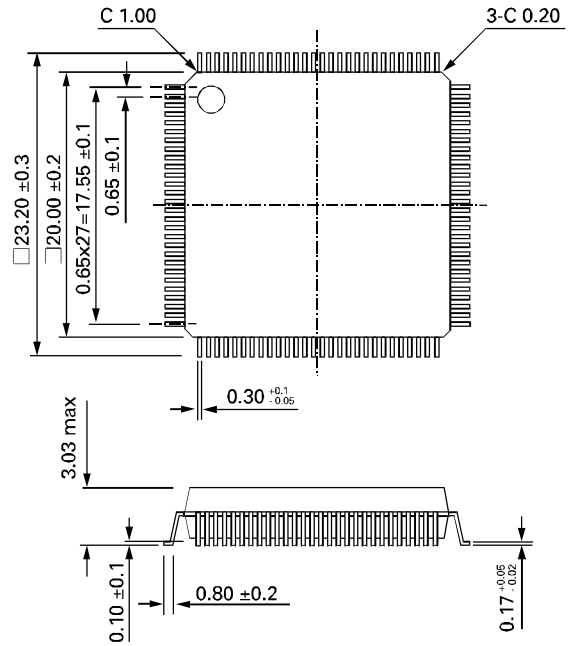
Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	30mΩ max. at 10mA and 20mV max.
Insulation Resistance:	500MΩ min. at 500V DC
Withstanding Voltage:	250V_{eff} for 1 minute
Operating Temp. Range:	-55°C to +85°C
Mating Cycles:	10 insertions maximum
Soldering Temp. Resistance:	220°C max. 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

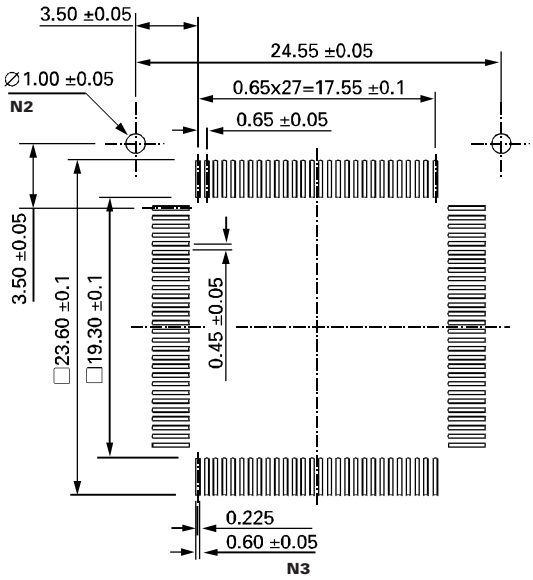
Customer Information
Socket type IC198-112-210x is supplied with an IC-dummy. This dummy is useful for socket-insertion via assembly line. After mounting the socket on the PC-board, the dummy can be easily removed.

IC Dimensions



Socket PCB-Layout

Top View from Socket

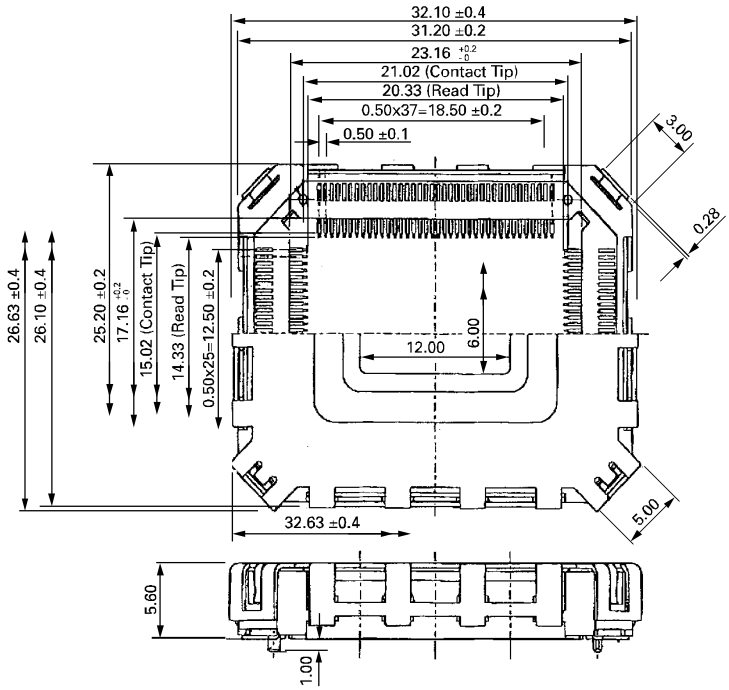


Notes:
N2: These holes are only necessary for use with positioning pins.
N3: We recommend to enlarge the 8 soldering areas at the edges to enforce the contact between the Socket and the PC-Board.

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

Socket Dimensions



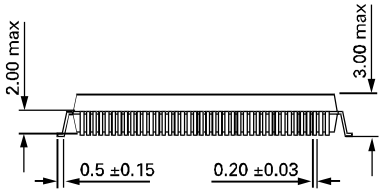
Specifications

Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	30mΩ max. at 10mA and 20mV max.
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

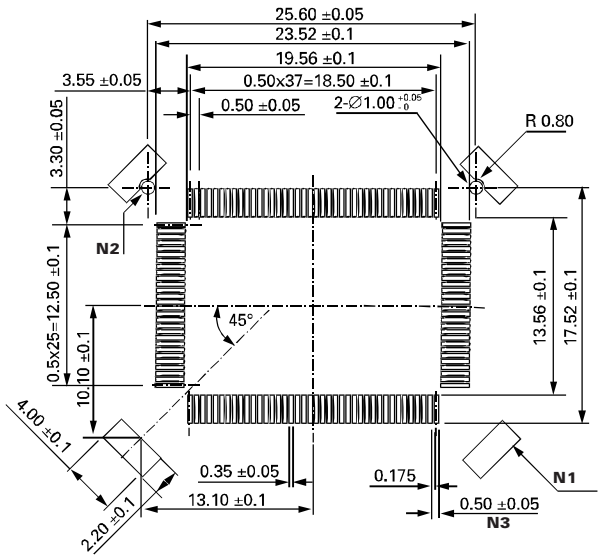
Contacts:	Copper Alloy
Insulation Housing:	PPS (UL94V-0)
Carrier:	PA66 (UL94V-0)
Cover:	Phosphoric Bronze
Plating:	SnPb 2.0 ~ 4.0µm over Ni

IC Dimensions



Socket PCB-Layout

Top View from Socket



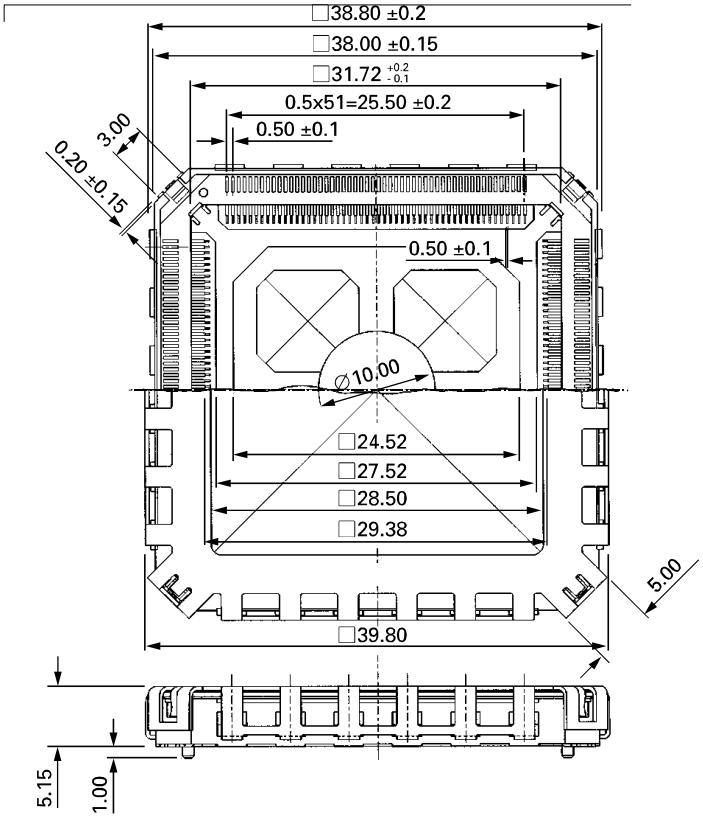
Notes:
N1: Metal soldering Tab Clip for stabilizing the Socket by soldering in these 4 areas.
N2: These holes are only necessary for use with positioning pins.
N3: We recommend to enlarge the 8 soldering areas at the edges to enforce the contact between the Socket and the PC-Board.

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

IC198 Series | QFP – Socket

208 Pins
QFP - (52 x 52 pins) 0.5 mm pitch

Socket Dimensions



Specifications

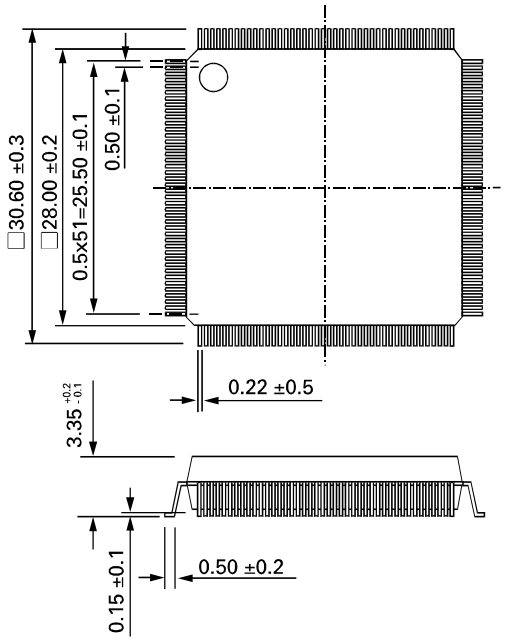
Current Rating:	0.3 A
Rated Voltage:	50V DC
Contact Resistance:	30mΩ max. at 10mA and 20mV max.
Insulation Resistance:	500MΩ min. at 500V DC
Withstanding Voltage:	250V_{eff} for 1 minute
Operating Temp. Range:	-55°C to +85°C
Mating Cycles:	10 insertions maximum
Soldering Temp. Resistance:	220°C max. 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 ~ 4.0 µm over Ni

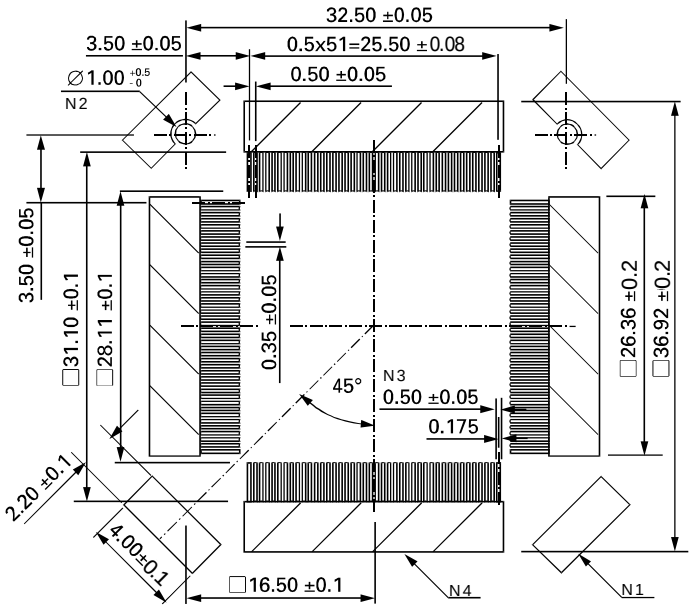
Customer Information
Socket types IC198-112-210x is supplied with an IC-dummy. This dummy is useful for socket-insertion via assembly line. After mounting the socket on the PC-board, the dummy can be easily removed.

IC Dimensions



Socket PCB-Layout

Top View from Socket



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.
N4: The SMT-Pads may touch the PC-Board in these areas.

Socket Part Number	Available Units	Quantity/(Tray)
IC198-208-2100 without positioning pins **IC198-208-2101** with positioning pins	Single or Tray Packaging Tape & Reel	18 on demand